

Brocade SLX-OS REST API Guide, 16r.1.01

Supporting the Brocade SLX 9850 Router

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Document conventions

The document conventions describe text formatting conventions, command syntax conventions, and important notice formats used in Brocade technical documentation.

Notes, cautions, and warnings

Notes, cautions, and warning statements may be used in this document. They are listed in the order of increasing severity of potential hazards.

NOTE

A Note provides a tip, guidance, or advice, emphasizes important information, or provides a reference to related information.

ATTENTION

An Attention statement indicates a stronger note, for example, to alert you when traffic might be interrupted or the device might reboot.



CAUTION

A Caution statement alerts you to situations that can be potentially hazardous to you or cause damage to hardware, firmware, software, or data.



DANGER

A Danger statement indicates conditions or situations that can be potentially lethal or extremely hazardous to you. Safety labels are also attached directly to products to warn of these conditions or situations.

Text formatting conventions

Text formatting conventions such as boldface, italic, or Courier font may be used to highlight specific words or phrases.

Format	Description
bold text	Identifies command names. Identifies keywords and operands. Identifies the names of GUI elements.
<i>italic text</i>	Identifies text to enter in the GUI. Identifies emphasis. Identifies variables.
Courier font	Identifies document titles. Identifies CLI output.

Format	Description
	Identifies command syntax examples.

Command syntax conventions

Bold and italic text identify command syntax components. Delimiters and operators define groupings of parameters and their logical relationships.

Convention	Description
bold text	Identifies command names, keywords, and command options.
<i>italic text</i>	Identifies a variable.
value	In Fibre Channel products, a fixed value provided as input to a command option is printed in plain text, for example, <code>--show WWN</code> .
[]	Syntax components displayed within square brackets are optional. Default responses to system prompts are enclosed in square brackets.
{ x y z }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options. In Fibre Channel products, square brackets may be used instead for this purpose.
x y	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, for example, passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, <code>member[member...]</code> .
\	Indicates a "soft" line break in command examples. If a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

Brocade resources

Visit the Brocade website to locate related documentation for your product and additional Brocade resources.

White papers, data sheets, and the most recent versions of Brocade software and hardware manuals are available at www.brocade.com.

Product documentation for all supported releases is available to registered users at MyBrocade.

Click the **Support** tab and select **Document Library** to access documentation on MyBrocade or www.brocade.com. You can locate documentation by product or by operating system.

Release notes are bundled with software downloads on MyBrocade. Links to software downloads are available on the MyBrocade landing page and in the Document Library.

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- By sending your feedback to documentation@brocade.com

Provide the publication title, part number, and as much detail as possible, including the topic heading and page number if applicable, as well as your suggestions for improvement.

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If you have purchased Brocade product support directly from Brocade, use one of the following methods to contact the Brocade Technical Assistance Center 24x7.

Online	Telephone
<p>Preferred method of contact for non-urgent issues:</p> <ul style="list-style-type: none"> • Case management through the MyBrocade portal. • Quick Access links to Knowledge Base, Community, Document Library, Software Downloads and Licensing tools 	<p>Required for Sev 1-Critical and Sev 2-High issues:</p> <ul style="list-style-type: none"> • Continental US: 1-800-752-8061 • Europe, Middle East, Africa, and Asia Pacific: +800-AT FIBREE (+800 28 34 27 33) • Toll-free numbers are available in many countries. • For areas unable to access a toll-free number: +1-408-333-6061

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- Brocade Supplemental Support augments your existing OEM support contract, providing direct access to Brocade expertise. For more information, contact Brocade or your OEM.
- For questions regarding service levels and response times, contact your OEM/solution provider.

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Supported hardware and software

In those instances in which procedures or parts of procedures documented here apply to some devices but not to others, this guide identifies exactly which devices are supported and which are not.

Although many different software and hardware configurations are tested and supported by Brocade Communications Systems, Inc. for SLX-OS Release 16r.1.01, documenting all possible configurations and scenarios is beyond the scope of this document.

The following hardware platforms are supported by this release:

- Brocade SLX 9850-4 router
- Brocade SLX 9850-8 router

To obtain information about other Brocade OS versions, refer to the documentation specific to that version.

Using the Brocade SLX-OS REST API

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Before you begin

Logging in and out

You can log in to the device by entering the username and password or the session ID provided by the switch after authenticating the initial request from the client.

If the authentication is successful, the response header "Authentication-Token" is sent to the client. From then, client applications can use this token and send it to the server for the authentication for further access to the server by using the same persistent connection. The client applications use this token to obtain further access to the server using the persistent connection.

To log out from the device, you must delete the session created using the DELETE operation. The URI is `http://host:port/rest/session/<session-id>`.

Supported operations

All create, read, update, and delete (CRUD) operations are supported and performed by using the standard HTTP methods: GET, POST, PUT, PATCH, DELETE, HEAD, and OPTIONS.

GET

This GET method is used to retrieve the representation of the resource (for example, base, configuration) including the metadata information.

For example, the following GET method with the Request-Depth header and its value as 2 requests the client to retrieve the LDAP server.

```
GET /rest/config/running/ldap-server HTTP/1.1
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
User-Agent:
curl/7.19.7
(x86_64-redhat-linux-gnu)
libcurl/7.19.7
NSS/3.12.9.0
zlib/1.2.3 libidn/1.18 libssh2/1.2.2
Host: 192.168.10.2
Accept: application/vnd.configuration.resource+xml
Resource-Depth:2
```

The following response contains XML representation of the target resource.

This GET method is used to retrieve the representation of the resource (for example, operational-state) including the metadata information.

For example, the following GET method with the Request-Depth header and its value as 6 requests the client to retrieve the operational state of CFM connectivity.

```
GET /rest/operational-state/cfm-state/cfm-connectivity/domain/test/ma/name//ma-type HTTP/1.1
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.18 Basic ECC zlib/1.2.3 libidn/1.18
libssh2/1.4.2
Host: 10.1.1.1
Accept: application/vnd.operational-state.resource+xml
Resource-Depth: 6
```

The following response contains XML representation of the target resource.

```
<ma xmlns="urn:brocade.com:mgmt:brocade-dotlag-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/operational-state/cfm-state/cfm-connectivity/domain/test/ma/name">
  <ma-name>name</ma-name>
  <ma-idx>1</ma-idx>
  <ma-type>0</ma-type>
  <ccm-interval>1000</ccm-interval>
  <vlan-id>120</vlan-id>
  <priority>1</priority>
  <mep y:self="/rest/operational-state/cfm-state/cfm-connectivity/domain/test/ma/name/mep/1">
    <mep-id>1</mep-id>
    <mep-direction>mep-status-up</mep-direction>
    <mep-mac>768e.f809.e813</mep-mac>
    <mep-port>"Eth 1/15"</mep-port>
    <port-state>0</port-state>
    <rmep y:self="/rest/operational-state/cfm-state/cfm-connectivity/domain/test/ma/name/mep/1/rmep/2">
      <rmep-id>2</rmep-id>
      <rmep-mac>0000.0000.0000</rmep-mac>
      <vlan-id>0</vlan-id>
      <rmep-port>"</rmep-port>
      <rmep-state>0</rmep-state>
    </rmep>
  </mep>
</ma>
```

NOTE

A request payload is not required for a GET operation.

POST

The POST method is used to create a new resource in the specific resource location identified by the URI specified in the given request, and is used to identify YANG-RPC operation resources. The URI of the newly created resource is mentioned in the "Location" header of the response.

The following example shows the POST request to add a new LDAP server.

Request header

```
POST /rest/config/running/ldap-server HTTP/1.1
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.12.9.0
zlib/1.2.3 libidn/1.18 libssh2/1.2.2
Host: 192.168.10.2
Accept: application/vnd.configuration.resource+xml
Content-Length: 51
```


Request message body

```
<host>
  <hostname>LDAP_TEST_HOST</hostname>
</host>
```

On successful creation, the response contains an empty message body and the following headers with status.

Response

NOTE

A request payload is required for a POST operation.

PUT

The PUT method is used to update or replace an existing "Container" resource completely. If the URI does not identify the resource to be replaced, then the resource in the request URI is newly created, and the URI of the newly created resource is mentioned in the "Location" header of the response

This method creates the new resource, instead of replacing it, if the targeted resource is defined as a "List" statement in the YANG model.

The following example shows the PUT request to set the Active Directory parameters.

Request header

```
PUT /rest/config/running/ldap-server/host HTTP/1.1
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.12.9.0
zlib/1.2.3 libidn/1.18 libssh2/1.2.2
Host: 10.20.234.122
Accept: application/vnd.configuration.resource+xml
Content-Length: 165
```

Request message body

```
<host>
  <port>500</port>
  <retries>50</retries>
  <timeout>60</timeout>
  <basedn>sample</basedn>
</host>
```

On successful replace, the response contains an empty message body and the following headers with status.

Response

NOTE

A request payload is required for a PUT operation.

PATCH

The PATCH method is used to edit or update the leaf attributes of the resource (List or Container), if the system supports the modification. For example, modifying the leaf or list child resource of the ACL sequence command is not possible, as it is not allowed in the system.

The following example shows the PATCH request to update the Active Directory parameter values.

Request header

```
PATCH /rest/config/running/ldap-server/host/test_API HTTP/1.1
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.12.9.0 zlib/1.2.3 libidn/1.18
```

```
libssh2/1.2.2
Host: 192.168.10.2
Accept: application/vnd.configuration.resource+xml
Content-Length: 55
```

Request message body

```
<host>
  <basedn>sample_test</basedn>
</host>
```

On successful update of an attribute, the response contains an empty message body and the following headers with status.

Response

NOTE

A request payload is required for a PATCH operation.

DELETE

The DELETE method is used to delete the known resource.

The following example shows the DELETE request to delete an existing LDAP server.

Request header

```
DELETE /rest/config/running/ldap-server/host/test_API HTTP/1.1
User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.12.9.0 zlib/1.2.3 libidn/1.18
libssh2/1.2.2
Host: 192.168.10.2
Accept: */*
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
```

On successful deletion of the resource, the response contains an empty message body and the following headers with status.

Response

NOTE

An authorization header is required to perform a DELETE operation.

NOTE

A request payload is not required for a DELETE operation.

HEAD

The HEAD method is used to retrieve the metadata information of the resource, identified by the given request. The response to this operation contains only the headers and an empty response body.

Request header

```
HEAD /rest/config/running/mac/access-list/standard/testacl1 HTTP/1.1
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
User-Agent: <REST client>
Host: 192.168.10.2:80
Accept: application/vnd.configuration.resource+xml
```

On successful retrieval of the resource, the response contains an empty message body and the following headers with status.

Response

```
HTTP/1.1 200 OK
Server: Wave World Wide Web Server (W4S) v0.0.1
```

```
Cache-control: private, no-cache, must-revalidate, proxy-revalidate
Date: Tue, 03 Dec 2013 07:40:43 GMT
Content-Type: application/vnd.configuration.resource+xml
```

NOTE

A request payload is not required for a HEAD operation.

OPTIONS

The OPTIONS method is used to retrieve the allowed methods on the resource identified by the given request. The response to this operation contains the headers and an empty response body. The "Allow" header contains the allowed operations on the resource.

Request header

```
OPTIONS /rest/config/running/mac/access-list/standard/testacl1 HTTP/1.1
Authorization: Basic YWRtaW46cGFzc3dvcmQ=
User-Agent: <REST client>
Host: 192.168.10.2:80
Accept: application/vnd.configuration.resource+xml
```

Response

```
HTTP/1.1 200 OK
Server: Wave World Wide Web Server (W4S) v0.0.1
Cache-control: private, no-cache, must-revalidate, proxy-revalidate
Date: Tue, 03 Dec 2013 07:40:55 GMT
Content-Length: 0
Content-Type: text/html
Allow: DELETE, GET, HEAD, PATCH, POST, PUT
```

NOTE

A request payload is not required for an OPTIONS operation.

Media types

Media types identify the form of the data contained within a resource representation.

Media type is an application-specific format with a well-defined name represented in the form of an identifier. Media types are specified in the Accept and Content-Type header's value for the request and the response respectively.

Media types are specific to resources, allowing them to change independently and support formats that other resources do not.

TABLE 1 Media types

Media type	Resources
application/vnd.base.resource+xml	Represents the high-level base resources such as configuration datastore and operational state resource.
application/vnd.configuration.resource+xml	Represents resources defined for the configuration command derived from a YANG module.
application/vnd.operational-state.resource+xml	Represents the defined YANG-RPC operations.

XML resource representation

A resource is represented in XML as an XML element, with an XML attribute "y:self" that contains the URI for the resource. Sub-resources are encoded as sub-elements to the resource element.

Single-valued resource properties are encoded as sub-elements to the resource element, with the value encoded as character data in the sub-element.

In the XML representation, every resource has an XML attribute: y:self="...". In the representation of a list resource, the keys are always present and encoded first. Leafs are properties of the resource.

```
<mac xmlns="urn:brocade.com:mgmt:brocade-mac-access-list" xmlns:y="urn:brocade.com:mgmt:brocade-mac-access-list" y:self="/rest/config/mac">
  <access-list y:self="/rest/config/running/mac/access-list">
    <standard y:self="/rest/config/running/mac/access-list/standard/stdmac">
      <name>stdmac</name>
    </standard>
  </access-list>
</mac>
```

HTTP header

HTTP header fields are components of the message header of a request and response in HTTP.

They define the operating parameters and are name/value pairs that appear in both request and response messages. The name of the header is separated from the value by a single colon.

The following table contains the supported HTTP methods for the media types.

TABLE 2 Methods and supported media types

Method	Media types
HEAD	Supports all media types for this method
OPTIONS	Supports all media types for this method
GET	Supports all media types for this method
POST	application/vnd.configuration.resource+xml application/vnd.operations.resource+xml
PUT	application/vnd.configuration.resource+xml
PATCH	application/vnd.configuration.resource+xml
DELETE	application/vnd.configuration.resource+xml

For more information about the media types, refer to the Media types section.

Request header

Standard request header - The supported standard request headers are:

- Cache-Control
- Date
- Authorization
- Accept-Charset
- Accept-Encoding

- Accept-Language
- Connection
- Host
- Accept
- User-Agent
- Content-Length

NOTE

All Brocade Network OS REST API requests that return data support only XML format.

Custom request header - The following headers are supported to facilitate the retrieval, datastore information, and API versioning.

Header name	Description	Header value; Methods; Media types
Resource-Depth	Used in the client request to inform the server to retrieve the nested child resources in the same response as inline.	Header value: <1..max> Methods: GET Media types: All, except application/vnd.operational-state.resource+xml

Response headers

Standard response header - The following are the supported standard response headers.

- Allow
- Cache-Control
- Connection
- Content-Encoding
- Content-Language
- Content-Length
- Content-Location
- Content-Type

NOTE

All Brocade Network OS REST API requests that return data support only XML format.

- Date
- Location
- Server
- Status
- WWW-Authenticate
- Transfer-Encoding

HTTP status code and messages

Both success and error status are reported to the client by way of the HTTP Status-Line, which contains the HTTP status code. The application-specific error messages are similar to the CLI error messages.

TABLE 3 HTTP status code

Status-Line	Description
100 Continue	POST is accepted, 201 should follow
200 OK	Success with response body
201 Created	POST to create a resource success
202 Accepted	POST to create a resource accepted
204 No Content	Success without response body
400 Bad Request	Invalid request message
403 Forbidden	Access to resource denied
404 Not Found	Resource target or resource node not found
405 Method Not Allowed	Method not allowed for target resource
413 Request Entity Too Large	Too-big error
414 Request-URI Too Large	Too-big error
415 Unsupported Media	Not supported media type
500 Internal Server Error	Operation failed. Note: In this case, the response body will contain the application's specific error message.
501 Not Implemented	Unknown operation
503 Service Unavailable	Recoverable server error

Overview of the SLX-OS REST API

- REST API.....23
- Resources.....23

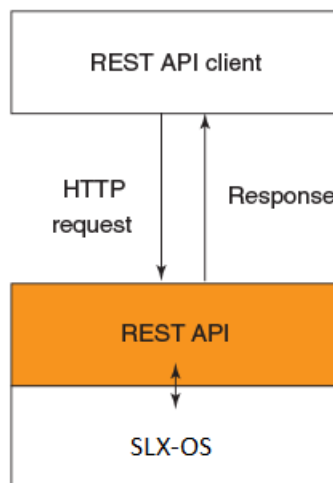
REST API

REST web service is the northbound interface to the OS platform, used to manage the nodes across the cluster.

It supports all Create, Read, Update, and Delete (CRUD) operations on the configuration data and supports the YANG-RPC commands.

REST web service leverages HTTP, and uses its standard methods to perform the operations on the resources. Apache web server embedded in the VDX switches is used to serve the REST API to the clients.

FIGURE 1 SLX-OS REST API architecture



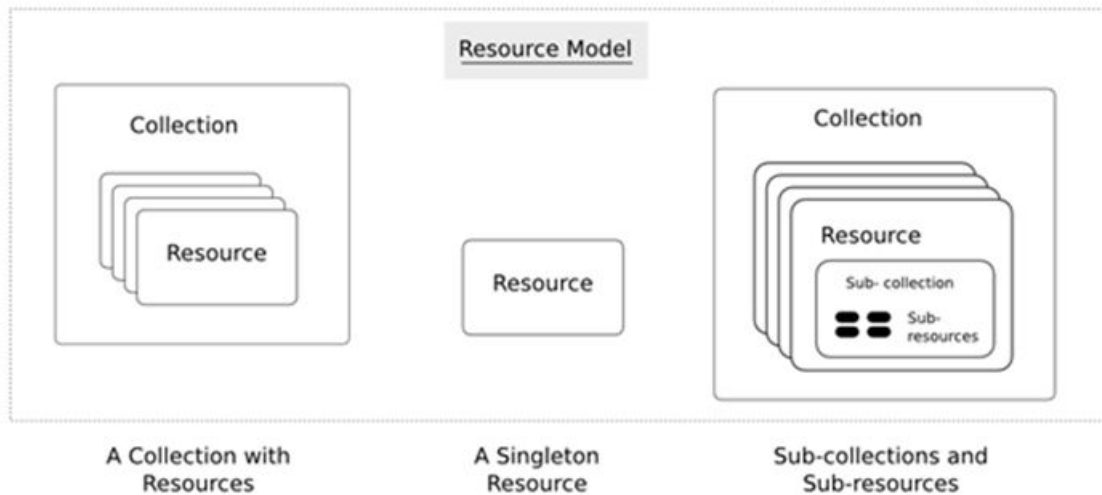
Resources

A resource is an object with a type, associated data, relationships to other resources, and a set of methods that operate on it.

Only a few standard methods are defined for the resource corresponding to the standard HTTP, such as GET, HEAD, OPTIONS, POST, PUT, PATCH, and DELETE. Resources can be grouped into collections (in the YANG model, it is represented as a "List" statement). Each collection is homogeneous (it contains only one type of resource) and unordered.

Resources can also exist outside any collection. These resources are known as singleton resources (in the YANG model, it is represented as a "Container" statement). Collections are resources themselves. For example, resources defined in the YANG model are physical interface, port-channel, VLAN, switchport, access-list, and so on. The following figure describes the resource model.

FIGURE 2 Resource Model



Base resource, Configuration resource, YANG-RPC Operations resource, and Operational-state are the three types of resources that are supported to represent the configuration data and YANG-RPC operations.

Base resource

The base resource represents the high-level resources in the system, and is categorized under the media type "application/vnd.base.resource+xml".

The entry point container in the resource model is "/rest"; all fields, and sub-resources with the same resource type are defined in the namespace "http://brocade.com/ns/rest".

The base resource consists of Configuration resource (/config), YANG-RPC Operations resource (/operations), and operational-state (/operational-state) resources as first-level child resources.

Protocol support

The SLX-OS REST API supports HTTP.

By default, the HTTP port number is 80.

URIs

A Uniform Resource Identifier (URI) is a link to the resource.

The URI is used to identify the resource. It is the only means for clients and servers to exchange the representations.

URIs consists of two parts:

- Base URI: The base URI is specific to the SLX OS server. All URIs accessing the same server use the same base URI.
- Request URI: The request URI is the URI used to perform a GET, POST, PUT, PATCH, DELETE, HEAD or OPTIONS request.

In the following examples of SLX OS API URIs, the text in bold is the base URI and the remaining portion is the request URI:

http://10.20.234.122:80/rest/config/running/fabric

NOTE

URIs are case-sensitive.

URI structure

The hierarchical structure of the URI is to support the containment based on the resources defined in the YANG model using the statement "List" and "Container"

The URI path conveys a resource model that is similar to the YANG model, with each forward slash-separated path segment corresponding to a unique resource within the model's hierarchy(using the following syntax: <BASE- URI>/path1/path2/{key}/path3/...).

For example, the URI "/rest/config/running/interface/ethernet" identifies the collection of Ethernet interfaces as target resources. In this example, from the path element.../interface onwards it represents the YANG model.

- rest - The entry point
- config - Represents the configuration datastore resource
- running- Represents the running configuration datastore
- interface - Represents all interfaces present in the running configuration
- ethernet - Represents all the Ethernet interfaces present in the running configuration

Similarly, the URI "/rest/config/running/interface/vlan/100" identifies the VLAN resource containing the VLAN ID 100.

URI encoding

- Key contains forward slash "/" present in the URI will be surrounded with double quotes and the double quotes will be encoded as "%22".
- Comma (,) will be added to mention more than one key in the URI, and the same will be coded as "%2C".

Base URI

The base URI (http://host:port/rest/) is the entry point to access and manage all the resources defined in the system. The port is the default HTTP port (80). It is used to identify the base resource, and retrieves its first-level child resources of the base resource.

NOTE

A leaf attribute can also be present in the URI to identify the exact resource. For example, the URI http://host:port/rest/config/running/interface/port-channel/<po-id>/switch-port is used to identify the switch-port resource of the port-channel.

Top-level URIs

The URI identifies its first-level resource in its hierarchy with the given media type in its request; as shown in the following examples:

- http://<Base URI>/config/running - To access the running configuration resources.
- http://<Base URI>/operations -To access the YANG-RPC operation resources.
- http://<Base URI>/operational-state /- To access the operational-state of the resources

Configuration APIs

aaa/accounting

Configures, modifies, or retrieves login or command accounting configuration.

Resource URIs

URI	Description
<base_URI>/config/running/aaa/accounting	Login or command accounting
<base_URI>/config/running/aaa/accounting/commands	Enables or disabled command accounting
<base_URI>/config/running/aaa/accounting/exec	Enables or disables login accounting

Parameters

server-type

Enables or disables login accounting. Possible values are:

None

Disables login accounting.

tacacs+

Configures to use TACACS+ servers.

Usage Guidelines

GET, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/aaa/accounting

Request Body

None

Response Body

```
<accounting y:self="/rest/config/running/aaa/accounting">
  <exec y:self="/rest/config/running/aaa/accounting/exec">
    <default y:self="/rest/config/running/aaa/accounting/exec/default">
      <start-stop y:self="/rest/config/running/aaa/accounting/exec/default/start-stop">
        <server-type>none</server-type>
      </start-stop>
    </default>
  </exec>
  <commands y:self="/rest/config/running/aaa/accounting/commands">
    <default y:self="/rest/config/running/aaa/accounting/commands/default">
      <start-stop y:self="/rest/config/running/aaa/accounting/commands/default/start-stop">
        <server-type>tacacs+</server-type>
      </start-stop>
    </default>
  </commands>
</accounting>
```

History

aaa/authentication

Configures, retrieves, and modifies AAA login sequence.

Resource URIs

URI	Description
<base_URI>/config/running/aaa/authentication	Configures AAA login sequence.

GET URIs	Description
<base_URI>/config/running/aaa/authentication	Configures AAA login sequence.
<base_URI>/config/running/aaa/authentication/login	Specifies the type of server that will be used for authentication, authorization, and accounting (AAA) on the device. The local server is the default.
<base_URI>/config/running/aaa/authentication/login/first	Configures the primary source of authentication.
<base_URI>/config/running/aaa/authentication/login/second	Configures the secondary source of authentication.

PATCH URIs	Payload	Description
<base_URI>/config/running/aaa/authentication/login	<login><first>{enumeration}</first></login>	Configures the order of sources for login and sets the primary source of authentication.

PUT URIs	Payload	Description
<base_URI>/config/running/aaa/authentication/login/first	<first>{enumeration}</first>	Configures the order of sources for login and sets the primary source of authentication.
<base_URI>/config/running/aaa/authentication/login/second	<second>{enumeration}</second>	Configures the order of sources for login and sets the secondary source of authentication.

DELETE URIs
<base_URI>/config/running/aaa/authentication/login/first
<base_URI>/config/running/aaa/authentication/login/second

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/aaa/authentication

Request Body

None

Response Body

```
<authentication xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/aaa/authentication">
  <login y:self="/rest/config/running/aaa/authentication/login">
    <first>radius</first>
    <second>local-auth-fallback</second>
  </login>
</authentication>
```

The following example uses the PUT option to configure AAA login sequence.

URI

http://host:80/rest/config/running/aaa/authentication/login/first

Request Body

```
<first>radius</first>
```

Response Body

None

The following example uses the DELETE option to remove AAA login sequence.

URI

http://host:80/rest/config/running/aaa/authentication/login/first

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

acl-policy

Configures, modifies, or retrieves ACL configuration.

Resource URIs

URI	Description
/rest/config/running/acl-policy	Configures ACL policy.

GET URIs	Description
/rest/config/running/acl-policy	Configures ACL policy.
/rest/config/running/acl-policy/allow-conflicting-rules	Allows conflicting rules in a ACL table.
/rest/config/running/acl-policy/allow-duplicate-rules	Allows duplicate rules in a ACL table.

POST URIs	Payload	Description
/rest/config/running/acl-policy	<acl-policy>{}</acl-policy>	
/rest/config/running/acl-policy/allow-conflicting-rules	<allow-conflicting-rules>true</allow-conflicting-rules>	Allows conflicting rules in a ACL table.
/rest/config/running/acl-policy/allow-duplicate-rules	<allow-duplicate-rules>true</allow-duplicate-rules>	Allows duplicate rules in a ACL table.

PATCH URIs	Payload	Description
/rest/config/running/acl-policy/allow-conflicting-rules	<allow-conflicting-rules />	Allows conflicting rules in a ACL table.
/rest/config/running/acl-policy/allow-duplicate-rules	<allow-duplicate-rules />	Allows duplicate rules in a ACL table.

PUT URIs	Payload	Description
/rest/config/running/acl-policy/allow-conflicting-rules	<allow-conflicting-rules>true</allow-conflicting-rules>	Allows conflicting rules in a ACL table.
/rest/config/running/acl-policy/allow-duplicate-rules	<allow-duplicate-rules>true</allow-duplicate-rules>	Allows duplicate rules in a ACL table.

DELETE URIs
/rest/config/running/acl-policy
/rest/config/running/acl-policy/allow-conflicting-rules
/rest/config/running/acl-policy/allow-duplicate-rules

Parameters

allow-conflicting-rules

Allows conflicting rules in a ACL table.

allow-duplicate-rules

Allows duplicate rules in a ACL table.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/acl-policy

Request Body

None

Response Body

```
<acl-policy xmlns="urn:brocade.com:mgmt:brocade-acl-policy" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/acl-policy">
  <allow-conflicting-rules>true</allow-conflicting-rules>
  <allow-duplicate-rules>true</allow-duplicate-rules>
</acl-policy>
```

The following is an example PATCH operation to allow duplicate rules in a ACL table.

URI

http://host:80/rest/config/running/acl-policy/allow-conflicting-rules

Request Body

```
<allow-conflicting-rules />
```

Response Body

None

The following is an example of the DELETE operation to remove the ACL policy.

URI

http://host:80/rest/config/running/acl-policy

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

alias-config

Configures, modifies, or retrieves alias configuration.

Resource URIs

URI	Description
<base_URI>/config/running/alias-config	User and global alias
<base_URI>/config/running/alias-config/alias	Global alias. Refer to alias-config/alias for information
<base_URI>/config/running/alias-config/user	User alias. Refer to alias-config/user for information

Parameters

alias

Configures global alias.

user

Configures user alias mode.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

NOTE

The DELETE operation is supported only on alias and user URIs.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/alias-config

Request Body

None

Response Body

```
<alias-config xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/alias-config">
  <alias y:self="/rest/config/running/alias-config/alias/alias1"/>
  <user y:self="/rest/config/running/alias-config/user/user0"/>
</alias-config>
```

History

arp

Configures, modifies, or retrieves Address Resolution Protocol (ARP).

Resource URIs

URI	Description
<base_URI>/config/running/arp	Address Resolution Protocol (ARP).

GET URIs	Description
<base_URI>/config/running/arp/{arp-ip-address}	Retrieves Address Resolution Protocol (ARP) configuration information.

PATCH URIs	Payload	Description
<base_URI>/config/running/arp	<arp><arp-ip-address>{inet:ipv4-address}</arp-ip-address><mac-address-value>{mac-access-list:mac-address-type}</mac-address-value><interfacename>{enumeration}</interfacename><Ethernet>{interface:interface-type}</Ethernet></arp>	Configures ARP IP address and MAC address.
<base_URI>/config/running/arp	<arp><arp-ip-address>{inet:ipv4-address}</arp-ip-address><mac-address-value>{mac-access-list:mac-address-type}</mac-address-value><interfacename>{enumeration}</interfacename><Ve>{interface:interface-type}</Ve></arp>	Configures ARP IP address and MAC address.

DELETE URIs
<base_URI>/config/running/arp/{arp-ip-address}

Parameters

arp-ip-address

Specifies the IP address of the ARP entry.

mac-address-value

Specifies the MAC address in HHHH.HHHH.HHHH format.

interfacename

Specifies the interface to use.

Usage Guidelines

GET, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/arp

Request Body

None

Response Body

```
<arp xmlns="urn:brocade.com:mgmt:brocade-arp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/arp/10.24.25.26">
  <arp-ip-address>10.24.25.26</arp-ip-address>
  <mac-address-value>0000.2222.2233</mac-address-value>
  <interfacename>interface</interfacename>
  <Ethernet>1/1</Ethernet>
</arp>
```

The following is an example of the PATCH operation to modify ARP configuration.

URI

http://host:80/rest/config/running/arp

Request Body

```
<arp>
  <arp-ip-address>10.34.23.56</arp-ip-address>
  <mac-address-value>0001.0002.0003</mac-address-value>
  <interfacename>interface</interfacename>
  <Ve>233</Ve>
</arp>
```

Response Body

None

The following is an example of the DELETE operation to remove the ARP configuration.

URI

http://host:80/rest/config/running/arp/10.34.23.56

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

banner

Configures, modifies, or retrieves banner messages.

Resource URIs

URI	Description
<base_URI>/config/running/banner	Banner messages

Parameters

login

Specifies the message string to be displayed on the switch console.

motd

Specifies the message string to be displayed on the switch console. The number of lines can be from 1 through 2048. Enter Message of the Day banner text in single line mode or press ESC-M to enter multiline mode.

incoming

Specifies the message string to be displayed on the switch console. The number of lines can be from 1 through 2048. Enter incoming banner text in single line mode or press ESC-M to enter multiline mode.

Usage Guidelines

GET, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/banner

Request Body

None

Response Body

```
<banner xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/banner">
  <login>user1</login>
  <motd>Good Morning</motd>
  <incoming>yes</incoming>
</banner>
```


The following is an example of the DELETE operation to remove a message of the day banner message.

URI

http://host:80/rest/config/running/banner/motd

Request Body

None

Response Body

None

History

bridge-domain

Configures a bridge domain.

Resource URIs

URI	Description
<base_URI>/config/running/bridge-domain	Configures a bridge domain.

GET URIs	Description
<base_URI>/config/running/bridge-domain	Retrieves a bridge domain configuration information.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/vc-id	Retrieves information about a virtual circuit with the specified ID.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)/load-balance	Retrieves load-balancing details.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)/cos	Sets the cos value in the range 0 to 7.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/statistics	Configures statistics.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/pw-profile	Sets the Pw-profile name. The maximum size is 64.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/bpdu-drop-enable	Enables bpdu-drop functionality.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/local-switching	Configures local switching.

POST URIs	Payload	Description
<base_URI>/config/running	<bridge-domain><bridge-domain-id>(req_val)</bridge-domain-id><bridge-domain-type>(req_val)</bridge-domain-type></bridge-domain>	Configures a bridge domain.
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)	<peer><peer-ip>(req_val)</peer-ip></peer>	Configures bridge domain peer.
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/logical-interface	<ethernet><lif-bind-id>(req_val)</lif-bind-id></ethernet>	Configures logical interface.
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/logical-interface	<port-channel><pc-lif-bind-id>(req_val)</pc-lif-bind-id></port-channel>	Configures logical interface as port-channel.

PUT URIs	Payload	Description
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/vc-id	<vc-id>(uint32)</vc-id>	Configures VC ID.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)/load-balance	<load-balance />	Configures load-balancing.

PUT URIs	Payload	Description
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)/cos	<cos>(string)</cos>	Sets the cos value in the range 0 to 7.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/statistics	<statistics />	Configures statistics.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/pw-profile	<pw-profile>(common-def.name-string64)</pw-profile>	Sets the Pw-profile name. The maximum size is 64.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/bpdu-drop-enable	<bpdu-drop-enable />	Enables bpdu-drop functionality.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/local-switching	<local-switching />	Configures local switching.

PATCH URIs	Payload	Description
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)	<bridge-domain><vc-id>(uint32)</vc-id></bridge-domain>	Configures bridge domain.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)	<peer><load-balance /></peer>	Configures load balancing.
<base_URI>/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)	<peer><cos>(string)</cos></peer>	Configures COS.
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)	<bridge-domain><statistics /></bridge-domain>	Configures statistics.
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)	<bridge-domain><pw-profile>(common-def.name-string64)</pw-profile></bridge-domain>	Configures PW profile.
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)	<bridge-domain><bpdu-drop-enable /></bridge-domain>	Enables BPDU drop functionality.
<base_URI>/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)	<bridge-domain><local-switching /></bridge-domain>	Enables local switching.

DELETE URIs
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/vc-id
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)/load-balance
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/peer/(peer-ip)/cos
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/statistics
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/logical-interface/ethernet/(lif-bind-id)
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/logical-interface/port-channel/(pc-lif-bind-id)
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/pw-profile
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/bpdu-drop-enable
/rest/config/running/bridge-domain/(bridge-domain-id)/(bridge-domain-type)/local-switching

Parameters

bridge-domain-id

The bridge domain ID.

bridge-domain-type

The bridge domain type.

peer

Specifies the peer.

peer-ip

The peer IP address.

load-balance

Specifies load balance.

lsp

Specifies the LSP.

logical-interface

Specifies the logical interface.

pw-profile

Specifies the PW profile.

bpdu-drop-enable

Specifies the BPDU drop enable feature.

local-switching

Specifies local switching.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/bridge-domain

Request Body

```
<bridge-domain xmlns="urn:brocade.com:mgmt:brocade-bridge-domain"
xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/config/running/bridge-domain/1%2Cp2mp">
  <bridge-domain-id>1</bridge-domain-id>
  <bridge-domain-type>p2mp</bridge-domain-type>
  <vc-id>200</vc-id>
  <peer y:self="/rest/config/running/bridge-domain/1%2Cp2mp/peer/10.10.10.10">
    <peer-ip>10.10.10.10</peer-ip>
    <load-balance>true</load-balance>
    <lsp>lsp10 lsp15</lsp>
  </peer>
  <logical-interface y:self="/rest/config/running/bridge-domain/1%2Cp2mp/
logical
  </logical-interface>
  <pw-profile>to-dc-connect</pw-profile>
  <bpdu-drop-enable>true</bpdu-drop-enable>
  <local-switching>true</local-switching>
</bridge-domain>
-interface">
```

Response Body

None

The following example uses the POST option to configure a bridge domain.

URI

http://host:80/rest/config/running/bridge-domain

Request Body

None

Response Body

```
<bridge-domain>
  <bridge-domain-id>1</bridge-domain-id>
  <bridge-domain-type>p2mp</bridge-domain-type>
</bridge-domain>
```

The following example uses the DELETE option to remove a bridge domain.

URI

http://host:80/rest/config/running/bridge-domain

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

chassis

Configures, modifies, or retrieves the Chassis Virtual address.

Resource URIs

URI	Description
<base_URI>/config/running/chassis	Chassis Virtual address.

GET URIs	Description
/rest/config/running/chassis	Configure Chassis Virtual address.
/rest/config/running/chassis/virtual-ip	Chassis Virtual IPv4 address
/rest/config/running/chassis/virtual-ipv6	Chassis Virtual IPv6 address

PATCH URIs	Payload	Description
/rest/config/running/chassis	<chassis><virtual-ip>(string)</virtual-ip></chassis>	Chassis Virtual IPv4 address
/rest/config/running/chassis	<chassis><virtual-ipv6>(string)</virtual-ipv6></chassis>	Chassis Virtual IPv6 address

PUT URIs	Payload	Description
/rest/config/running/chassis/virtual-ip	<virtual-ip>(string)</virtual-ip>	Chassis Virtual IPv4 address
/rest/config/running/chassis/virtual-ipv6	<virtual-ipv6>(string)</virtual-ipv6>	Chassis Virtual IPv6 address

DELETE URIs	Payload	Description
/rest/config/running/chassis/virtual-ip	<virtual-ip>(string)</virtual-ip>	Chassis Virtual IPv4 address
/rest/config/running/chassis/virtual-ipv6	<virtual-ipv6>(string)</virtual-ipv6>	Chassis Virtual IPv6 address

POST URIs	Payload	Description
/rest/config/running/chassis/virtual-ip	<virtual-ip>(string)</virtual-ip>	Chassis Virtual IPv4 address
/rest/config/running/chassis/virtual-ipv6	<virtual-ipv6>(string)</virtual-ipv6>	Chassis Virtual IPv6 address

Parameters

virtual-ip

Sets an IPv4 address in dotted-decimal notation with a CIDR prefix (mask).

virtual-ipv6

Sets an IPv6 address in colon-separated hexadecimal notation with a CIDR prefix.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/chassis

Request Body

None

Response Body

```
<chassis xmlns="urn:brocade.com:mgmt:brocade-chassis" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/chassis">
  <virtual-ip>10.24.81.195/20</virtual-ip>
  <virtual-ipv6>2001:2017:111:1::/64</virtual-ipv6>
</chassis>
```

The following example of the PATCH operation to set virtual IPv4 address.

URI

http://host:80/rest/config/running/chassis

Request Body

```
<chassis>
  <virtual-ip>10.20.108.66/20</virtual-ip>
</chassis>
```

Response Body

None

The following example of the DELETE operation to remove virtual IPv4 address.

URI

http://host:80/rest/config/running/chassis/virtual-ip

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

clock

Configures, modifies, or retrieves system time zone.

Resource URIs

URI	Description
<base_URI>/config/running/clock	Configure system time zone.

GET URIs	Description
/rest/config/running/clock	Configure System Timezone
/rest/config/running/clock/timezone	Timezone region or city. Regions are Africa, America, Antarctica, Arctic, Asia, Atlantic, Australia, Europe, Indian, and Pacific.

PATCH URIs	Payload	Description
/rest/config/running/clock	<clock><timezone>(string)</timezone></clock>	Modifies or updates the system time zone.

PUT URIs	Payload	Description
/rest/config/running/clock/timezone	<timezone>(string)</timezone>	Modifies or updates the system time zone.

DELETE URIs	Payload	Description
/rest/config/running/clock/timezone	<timezone>(string)</timezone>	Deletes the system time zone.

Parameters

timezone

Specifies the local clock time zone.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/clock

Request Body

None

Response Body

```
Response body
<clock xmlns="urn:brocade.com:mgmt:brocade-clock" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/clock">
  <timezone>Etc/GMT</timezone>
</clock>
```

History

Release version	History
16r.1.00	This API call was introduced.

cluster/{cluster-name}/{cluster-id}

Configures, retrieves, and modifies Multi-Chassis Trunking (MCT) cluster.

Resource URIs

URI	Description
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan	Configures MCT member VLAN.

GET URIs	Description
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan	Configures MCT member VLAN.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan/add	Allows VLANs under MCT.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan/remove	Removes a VLAN range that Xmit/Rx through the Layer2 interface.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client-isolation-strict	Configures cluster client isolation mode strict.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/deploy	Deploys the cluster.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/designated-forwarder-hold-time	Time in seconds to wait before electing a designated forwarder.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/client-interface	Configures client Interface.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/client-interface/if-value	Configures client Interface name.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/esi	Configures cluster client ESI.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/deploy	Cluster client deploy.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client-interfaces-shutdown	Disables the cluster client interfaces.

POST URIs	Payload	Description
<base_URI>/config/running	<cluster><cluster-name>{common-def:name-string64}</cluster-name><cluster-id>{uint32}</cluster-id></cluster>	MCT Cluster Specific configuration.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}	<peer><peer-ip>{inet:ipv4-address}</peer-ip></peer>	Cluster Peer related configuration.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}	<client><client-name>{string}</client-name><client-id>{uint32}</client-id></client>	Cluster Client name for Node Specific configuration

PATCH URIs	Payload	Description
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan	<member-vlan><add>{ui32-vlan-range}</add></member-vlan>	Configures MCT member VLAN and allows VLANs under MCT.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan	<member-vlan><remove>{ui32-vlan-range}</remove></member-vlan>	Removes a VLAN range that Xmit/Rx through the Layer2 interface.

PATCH URIs	Payload	Description
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}	<cluster><client-interfaces-shutdown>{enumeration}</client-interfaces-shutdown></cluster>	Disables the cluster client interfaces.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}	<cluster><client-isolation-strict>{enumeration}</client-isolation-strict></cluster>	Configures cluster client isolation mode strict.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}	<designated-forwarder-hold-time>{uint16}</designated-forwarder-hold-time>	Configures the time to wait before electing a designated forwarder, in seconds.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}	<cluster><deploy>{enumeration}</deploy></cluster>	Time in seconds to wait before electing a designated forwarder.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/client-interface	<client-interface><if-type>{enumeration}</if-type><if-value>{string-type}</if-value></client-interface>	Configures client Interface by specifying interface type and interface name.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}	<client><esi>{cluster-client-esi}</esi></client>	Configures cluster client ESI.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}	<client><deploy>{enumeration}</deploy></client>	Cluster client deploy.

PUT URIs	Payload	Description
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client-interfaces-shutdown	<client-interfaces-shutdown>{enumeration}</client-interfaces-shutdown>	Disables the cluster client interfaces.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client-isolation-strict	<client-isolation-strict>{enumeration}</client-isolation-strict>	Configures cluster client isolation mode strict.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/deploy	<deploy>{enumeration}</deploy>	Deploys the cluster.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/deploy	<deploy>{enumeration}</deploy>	Cluster client deploy.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/designated-forwarder-hold-time	<designated-forwarder-hold-time>{uint16}</designated-forwarder-hold-time>	Time in seconds to wait before electing a designated forwarder.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan/add	<add>{ui32-vlan-range}</add>	Configures MCT member VLAN and allows VLANs under MCT.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan/remove	<remove>{ui32-vlan-range}</remove>	Removes a VLAN range that Xmit/Rx through the Layer2 interface.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/esi	<esi>{cluster-client-esi}</esi>	Configures cluster client ESI.
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/client-interface	<client-interface><if-type>{enumeration}</if-type><if-value>{string-type}</if-value></client-interface>	Configures client Interface by specifying interface type and interface name.

DELETE URIs
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/deploy
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/esi
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client/{client-name}/{client-id}/client-interface/if-value
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/deploy

cluster/{cluster-name}/{cluster-id}

DELETE URIs
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/designated-forwarder-hold-time
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client-isolation-strict
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/client-interfaces-shutdown
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/peer/{inet:ipv4-address}
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}/member-vlan/remove
<base_URI>/config/running/cluster/{cluster-name}/{cluster-id}

Parameters

designated-forwarder-hold-time

Specifies the time in seconds to wait before electing a designated forwarder.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/cluster/{fusion-cluster-1}/{1}/member-vlan

Request Body

None

Response Body

```
<member-vlan xmlns="urn:brocade.com:mgmt:brocade-mct" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/cluster/fusion-cluster-1%2C1/member-vlan">
<add>2-999,1001-2664</add>
</member-vlan>
```

The following example uses the POST option to perform MCT cluster-specific configuration.

URI

http://host:80/rest/config/running/config/running/cluster/{fusion-cluster-1}/{1}

Request Body

```
<peer><peer-ip>99.99.99.99</peer-ip></peer>
```

Response Body

None

The following example uses the DELETE option to remove MCT cluster.

URI

http://host:80/rest/config/running/cluster/{fusion-cluster-1}/{1}

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

dot1x

Configures, retrieves, and modifies 802.1X authentication.

Resource URIs

URI	Description
<base_URI>/config/running/dot1x	Configures 802.1X authentication.

GET URIs	Description
<base_URI>/config/running/dot1x	IEEE 802.1X port-based access control.
<base_URI>/config/running/dot1x/enable	Enables global port authentication.
<base_URI>/config/running/dot1x/test	Configures 802.1X readiness check.
<base_URI>/config/running/dot1x/test/timeout	Configures timeout for dot1x readiness check

PATCH URIs	Payload	Description
<base_URI>/config/running/dot1x	<dot1x><enable>(enumeration)</enable></dot1x>	Configures IEEE 802.1X port-based access control and enables global port authentication.
<base_URI>/config/running/dot1x/test	<test><timeout>{dot1x-readiness-test-timeout-interval}</timeout></test>	Configures timeout for dot1x readiness check.

PUT URIs	Payload	Description
<base_URI>/config/running/dot1x/enable	<enable>(enumeration)</enable>	Enables global port authentication.
<base_URI>/config/running/dot1x/test/timeout	<timeout>{dot1x-readiness-test-timeout-interval}</timeout>	Configures timeout for dot1x readiness check.

DELETE URIs
<base_URI>/config/running/dot1x/enable
<base_URI>/config/running/dot1x/test/timeout

Parameters

test timeout

Specifies the readiness test interval value in seconds. Valid values range from 1 through 65535. The default readiness test interval is 10 seconds.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/dot1x

Request Body

None

Response Body

```
<dot1x xmlns="urn:brocade.com:mgmt:brocade-dot1x" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/dot1x">
  <enable>true</enable>
  <test y:self="/rest/config/running/dot1x/test">
    <timeout>11</timeout>
  </test>
</dot1x>
```

The following example uses the PATCH option to configure dot1x.

URI

http://host:80/rest/config/running/dot1x

Request Body

```
<dot1x><enable>true</enable></dot1x>
```

Response Body

None

The following example uses the DELETE option to remove dot1x.

URI

http://host:80/rest/config/running/dot1x/enable

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

filter-change-update-delay

Configures, retrieves, and modifies filter change update delay timer.

Resource URIs

URI	Description
<base_URI>/config/running/filter-change-update-delay/{filter-delay-value}	Configures filter change update delay timer.

GET URI	Description
<base_URI>/config/running/filter-change-update-delay/{filter-delay-value}	Retrieves filter change update delay time.

POST URI	Payload	Description
<base_URI>/config/running/filter-change-update-delay/{filter-delay-value}	<filter-change-update-delay><filter-delay-value>{uint32}</filter-delay-value></filter-change-update-delay>	Configures filter change update delay time.

DELETE URIs
<base_URI>/config/running/filter-change-update-delay/{filter-delay-value}

Parameters

filter-delay-value

Specifies the filter change update delay time in seconds. Valid values are from 0 through 600. Default value is 10 seconds.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/filter-change-update-delay/15

Request Body

None

Response Body

The following example uses the POST option to configure filter change update delay timer.

URI

http://host:80/rest/config/running/filter-change-update-delay/15

Request Body

```
<filter-change-update-delay><filter-delay-value>15</filter-delay-value></filter-change-update-delay>
```

Response Body

None

The following example uses the DELETE option to remove filter change update delay timer.

URI

http://host:80/rest/config/running/filter-change-update-delay/15

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

hardware

Configures, modifies, or retrieves the hardware management configuration.

Resource URIs

URI	Description
<base_URI>/config/running/hardware	Hardware management configuration
<base_URI>/config/running/hardware/connector	Connector. Refer to hardware/connector for information.
<base_URI>/config/running/hardware/port-group	Port group. Refer to hardware/port-group for information.

GET URIs	Description
/rest/config/running/hardware	Hardware Management configuration
/rest/config/running/hardware/connector/(connectorName)	Configures a connector with the specified name
/rest/config/running/hardware/connector/(connectorName)/breakout	Configures a breakout connector
/rest/config/running/hardware/connector/(connectorName)/breakout/mode	Configures connector mode
/rest/config/running/hardware/port-group/(portGroupName)	Configures a port-group in a specified name
/rest/config/running/hardware/port-group/(portGroupName)/mode	Configures port-group mode

POST URIs	Payload	Description
/rest/config/running	<hardware />	Hardware management configuration
/rest/config/running/hardware	<connector><name>(connectorName)</name></connector>	Configures a connector
/rest/config/running/hardware/connector/(connectorName)	<breakout />	Configures a breakout connector
/rest/config/running/hardware	<port-group><name>(portGroupName)</name></port-group>	Configures a port-group

PATCH URIs	Payload	Description
/rest/config/running/hardware/connector/(connectorName)/breakout	<breakout><mode>(mode)</mode></breakout>	Configures a breakout connector
/rest/config/running/hardware/port-group/(portGroupName)	<port-group><mode>(mode)</mode></port-group>	Configures a port-group in a specified name

DELETE URIs	Payload	Description
/rest/config/running/hardware/connector/(connectorName)/breakout	<breakout><mode>(mode)</mode></breakout>	Configures a breakout connector

Parameters

connector

Configures a connector.

port-group

onfigures a port group.

Usage Guidelines

GET, POST, PUT, PATCH, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/hardware

Request Body

None

Response Body

```
<hardware xmlns="urn:brocade.com:mgmt:brocade-hardware" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/hardware">
  <profile y:self="/rest/config/running/hardware/profile">
    <tcam y:self="/rest/config/running/hardware/profile/tcam">
      <tcam_profiletype>default</tcam_profiletype>
    </tcam>
    <lag y:self="/rest/config/running/hardware/profile/lag">
      <lag_profiletype>default</lag_profiletype>
    </lag>
    <counters y:self="/rest/config/running/hardware/profile/counters">
      <counters_profiletype>default</counters_profiletype>
    </counters>
  </profile>
  <port-group y:self="/rest/config/running/hardware/port-group/%221/4%22">
    <name>1/4</name>
    <mode>100g</mode>
  </port-group>
</hardware>
```

History

interface/{interface-type}/{interface-name}/delay-link-event

Configures, modifies, or retrieves a delay-link-event.

Resource URIs

URI	Description
/rest/config/running/interface/{interface-type}/{interface-name}/delay-link-event	Configures a delay-link-event.

GET URIs	Description
/rest/config/running/interface/{interface-type}/{interface-name}/delay-link-event	Configures a delay-link-event
/rest/config/running/interface/{interface-type}/{interface-name}/delay-link-event/delay-link-event-type	Delay link up event

PUT URIs	Payload	Description
/rest/config/running/interface/{interface-type}/{interface-name}/delay-link-event/delay-link-event-entry	<delay-link-event-entry>15</delay-link-event-entry>	Number of delay link event entry

DELETE URIs
/rest/config/running/interface/{interface-type}/{interface-name}/delay-link-event

Parameters

delay-link-event-entry

Specifies the delay time. The range is from 1 to 200.

delay-link-event-type

Specifies the delay link event type. Valid values are **up** (up event), **down** (down event), or **both** (up or down event).

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/delay-link-event

Request Body

None

Response Body

```
<delay-link-event xmlns="urn:brocade.com:mgmt:brocade-dle" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/interface/Ethernet/%221/1%22/delay-link-event">
  <delay-link-event-entry>3</delay-link-event-entry>
  <delay-link-event-type>both</delay-link-event-type>
</delay-link-event>
```

The following example uses PUT operation to update the delay time.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/delay-link-event/delay-link-event-entry

Request Body

```
<delay-link-event-entry>15</delay-link-event-entry>
```

Response Body

None

The following example uses DELETE operation to remove the delay-link-event configuration.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/delay-link-event

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/dot1x

Configures, retrieves, and modifies 802.1X authentication.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	Configures 802.1X authentication.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	IEEE 802.1X port-based access control.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/authentication	Enables dot1x on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/port-control	Allows port client to negotiate.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/quiet-period	Configures time interval in seconds that the device remains idle between a failed authentication and a reauthentication attempt.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/reauthMax	Sets maximum count that a port attempts 802.1x reauthentication before the port changes to the unauthorized state.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/max-req	Sets retransmission parameter that defines the maximum number of times EAP request/challenge frames are retransmitted when EAP response/identity frame is not received from the client.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/reauthentication	Enables reauthentication on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/filter-strict-security	Enable strict mode on a port
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout	Sets a timeout parameter.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/re-authperiod	Sets reauthentication interval in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/supp-timeout	Sets supplicant response timeout (default = 30)
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/tx-period	Sets transmission period in seconds (default = 30).

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	<dot1x><authentication>{enumeration}</authentication></dot1x>	Configures IEEE 802.1X port-based access control and enables dot1x on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	<dot1x><port-control>{enumeration}</port-control></dot1x>	Allows port client to negotiate.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	<dot1x><quiet-period>{uint32}</quiet-period></dot1x>	Configures time interval in seconds that the device remains idle between a failed authentication and a reauthentication attempt.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	<dot1x><reauthMax>{uint32}</reauthMax></dot1x>	Sets maximum count that a port attempts 802.1x reauthentication before the port changes to the unauthorized state.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	<dot1x><max-req>{uint32}</max-req></dot1x>	Sets retransmission parameter that defines the maximum number of times EAP request/challenge frames are retransmitted when EAP response/identity frame is not received from the client.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	<dot1x><reauthentication>(enumeration)</reauthentication></dot1x>	Enables reauthentication on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x	<dot1x><filter-strict-security>true</filter-strict-security></dot1x>	Enables strict mode on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout	<timeout><re-authperiod>{dot1x-reauth-timeout-interval}</re-authperiod></timeout>	Sets reauthentication interval in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout	<timeout><supp-timeout>{dot1x-supp-timeout-interval}</supp-timeout></timeout>	Sets supplicant response timeout (default = 30)
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout	<timeout><tx-period>{dot1x-tx-timeout-interval}</tx-period></timeout>	Sets transmission period in seconds (default = 30).

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/authentication	<authentication>(enumeration)</authentication>	Configures IEEE 802.1X port-based access control and enables dot1x on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/port-control	<port-control>(enumeration)</port-control>	Allows port client to negotiate.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/quiet-period	<quiet-period>{uint32}</quiet-period>	Configures time interval in seconds that the device remains idle between a failed authentication and a reauthentication attempt.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/reauthMax	<reauthMax>{uint32}</reauthMax>	Sets maximum count that a port attempts 802.1x reauthentication before the port changes to the unauthorized state.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/max-req	<max-req>{uint32}</max-req>	Sets retransmission parameter that defines the maximum number of times EAP request/challenge frames are retransmitted when EAP response/identity frame is not received from the client.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/reauthentication	<reauthentication>(enumeration)</reauthentication>	Enables reauthentication on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/filter-strict-security	<filter-strict-security>(enumeration)</filter-strict-security>	Enables strict mode on a port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/re-authperiod	<re-authperiod>{dot1x-reauth-timeout-interval}</re-authperiod>	Sets reauthentication interval in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/supp-timeout	<supp-timeout>{dot1x-supp-timeout-interval}</supp-timeout>	Sets supplicant response timeout (default = 30)
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/tx-period	<tx-period>{dot1x-tx-timeout-interval}</tx-period>	Sets transmission period in seconds (default = 30).

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/authentication
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/port-control
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/quiet-period
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/reauthMax
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/max-req
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/reauthentication
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/filter-strict-security
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/re-authperiod
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/supp-timeout
<base_URI>/config/running/interface/{interface-type}/{interface-name}/dot1x/timeout/tx-period

Parameters

quiet-period

Specifies the time between failed reauthentication and reauthentication attempt. Valid values range from 1 through 65535 seconds. The default quiet period is 60 seconds.

reauthMax

Specifies the maximum number of reauthentication attempts before the port goes to the unauthorized state. Valid values range from 1 through 10. The default value is 2.

max-req

Specifies the number of EAP frame re-transmissions. The range is from 1 through 10. The default value is 2.

re-authperiod

Specifies the interval at which clients connected to 802.1X authentication enabled ports are periodically reauthenticated.

supp-timeout

Specifies the EAP response timeout for 802.1x authentication. By default, when the Brocade device relays an EAPRequest frame from the RADIUS server to the client, it expects to receive a response from the client within 30 seconds. If the client does not respond within the allotted time, the device retransmits the EAP-Request frame to the client.

tx-timeout

Specifies the EAP request retransmission interval, in seconds, with the client. By default, if the Brocade device does not receive an EAP-response/identity frame from a client, the device waits 30 seconds, then retransmits the EAPrequest/identity frame. You can optionally change the amount of time the Brocade device waits before re-transmitting the EAP-request/identity frame to the client. If the client does not send back an EAP-response/identity frame within 60 seconds, the device will transmit another EAP-request/identity frame. The tx-period is a value from 1 through 4294967295. The default is 30 seconds.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/dot1x

Request Body

None

Response Body

```
<dot1x xmlns="urn:brocade.com:mgmt:brocade-dot1x" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%221/3%22/dot1x">
  <authentication>true</authentication>
  <port-control>force-unauthorized</port-control>
  <protocol-version>1</protocol-version>
  <quiet-period>3</quiet-period>
  <reauthMax>1</reauthMax>
  <max-req>6</max-req>
  <reauthentication>true</reauthentication>
  <filter-strict-security>true</filter-strict-security>
  <timeout y:self="/rest/config/running/interface/Ethernet/%221/3%22/dot1x/timeout">
    <re-authperiod>7</re-authperiod>
    <supp-timeout>8</supp-timeout>
    <tx-period>9</tx-period>
  </timeout>
</dot1x>
```

The following example uses the PATCH option to configure dot1x.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/dot1x

Request Body

```
<dot1x><authentication>true</authentication></dot1x>
```

Response Body

None

interface/{interface-type}/{interface-name}/dot1x

The following example uses the DELETE option to remove dot1x.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/dot1x/authentication

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip

Configures, retrieves, and modifies an IP address on an interface.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip	Configures an IP address on an interface.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip	Configures an IP address on an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/address	Specifies the IP address.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip	<address><address>{ip-address/mask}</address><secondary>{enumeration}</secondary></address>	Specifies the mask for the associated IP subnet. Dotted-decimal notation is not supported. For non-loopback interfaces, valid values are from 1 through 31. For loopback interfaces, the only valid value is 32.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip	<address><address>{ip-address/mask}</address></address>	Specifies the mask for the associated IP subnet.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/	<shutdown>{enumeration}</shutdown>	Shuts down the interface.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/shutdown	<shutdown>{enumeration}</shutdown>	Shuts down the interface.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip
<base_URI>/config/running/interface/{interface-type}/{interface-name}/shutdown
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/mtu

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ethernet/%223/14%22/ip

Request Body

None

Response Body

The following example uses the POST option to configure an IP address on an interface.

URI

http://host:80/rest/config/running/interface/Ethernet/%223/9%22/ip/

Request Body

<address><address>17.1.1.1/24</address></address>

Response Body

None

The following example uses the DELETE option to remove IP address on an interface.

URI

http://host:80/rest/config/running/interface/ethernet/%223/9%22/shutdown

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/access-group

Configures, modifies, or retrieves the Internet Protocol (IP) access group.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/access-group	Configures IP access group.

Parameters

ip-access-list

Specifies the ACL name.

ip-direction

Specifies the IP direction. Supported configurations are in and out. Configuring in sets the ACL binding direction as ingress. Configuring out sets the ACL binding direction as egress.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

NOTE

IP access-list should be created before configuring interface/ip/access-group.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/ip/access-group

Request Body

None

Response Body

```
<access-group xmlns="urn:brocade.com:mgmt:brocade-ip-access-list" y:self="/rest/config/running/
interface/Ethernet/%221/1%22/ip/access-group/acl%2Cin">
  <ip-access-list>acl</ip-access-list>
  <ip-direction>in</ip-direction>
</access-group>
```

The following is an example of the POST operation to add an access-group.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/ip

Request Body

```
<access-group>
  <ip-access-list>acl8</ip-access-list>
  <ip-direction>in</ip-direction>
</access-group>
```

Response Body

None

The following is an example of the DELETE operation to remove the access-group configuration.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/ip/access-group

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/arp-aging-timeout

Configures ARP Aging timeout.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/arp-aging-timeout	Configures ARP aging timeout.

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/arp-aging-timeout	Configures ARP aging timeout. Ethernet and VE interfaces are supported.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/arp-aging-timeout	<arp-aging-timeout>(unit32)</arp-aging-timeout>	Configures ARP aging timeout in minutes.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/arp-aging-timeout	<arp-aging-timeout>(unit32)</arp-aging-timeout>	Configures ARP aging timeout in minutes.

Parameters

arp-aging-timeout

Specifies the ARP aging timeout in minutes. The range is from 0 to 240.

Usage Guidelines

GET, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ethernet/%223/14%22/ip/arp-aging-timeout

Request Body

None

Response Body

```
<arp-aging-timeout xmlns="urn:brocade.com:mgmt:brocade-ip-config" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/interface/Ethernet/%223/14%22/ip/arp-aging-timeout">10</arp-aging-timeout>
```

The following example uses the PATCH option to configure the ARP aging timeout.

URI

http://host:80/rest/config/running/interface/ethernet/%223/14%22/ip/arp-aging-timeout

Request Body

```
<arp-aging-timeout>20</arp-aging-timeout>
```

Response Body

None

The following example uses the DELETE option to remove the ARP aging timeout.

URI

http://host:80/rest/config/running/interface/ethernet/%223/14%22/ip/arp-aging-timeout

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/dhcp/relay/gateway

Configures DHCP relay gateway.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/gateway	Configures DHCP relay gateway. Ethernet and VE interfaces are supported.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/gateway	Configures DHCP relay gateway. Ethernet and VE interfaces are supported.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay	<gateway>{ip-address}</gateway>	Configures DHCP relay gateway.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/gateway	<gateway>{ip-address}</gateway>	Configures DHCP relay gateway.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/gateway	<gateway>{ip-address}</gateway>	Configures DHCP relay gateway.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/gateway

Parameters

address

IP address of the gateway.

Usage Guidelines

GET, POST, PATCH, PUT, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ve/11/ip/dhcp/relay/gateway

Request Body

None

Response Body

```
<gateway xmlns="urn:brocade.com:mgmt:brocade-dhcp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ve/11/ip/dhcp/relay/gateway">11.1.2.1</gateway>
```

The following example uses the POST option to configure DHCP relay gateway.

URI

http://host:80/rest/config/running/interface/ethernet/%221/10%22/ip/dhcp/relay

Request Body

```
<gateway>10.10.10.10</gateway>
```

Response Body

None

The following example uses the DELETE option to remove DHCP relay gateway.

URI

http://host:80/rest/config/running/interface/ethernet/%221/10%22/ip/dhcp/relay/gateway

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/dhcp/relay/servers

Configures DHCP relay servers.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay	Configures DHCP relay servers. Ethernet and VE interfaces are supported.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay	Retrieves DHCP relay configurations.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/servers	Retrieves DHCP relay server information.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/servers/address	Retrieves DHCP relay server address.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/servers/address/{ip-address}/use-vrf	Retrieves DHCP relay server address and VRF information.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/servers/address/{ip-address}/use-vrf/{vrf-name}	Retrieves DHCP relay server address and VRF information.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay	<servers><address>(ip-address_</address><use-vrf>(vrf-name)</use-vrf></servers>	Configures DHCP relay server.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/dhcp/relay/servers/address/{ip-address}

Parameters

address

IP address of the server.

use-vrf

Specifies the VRF name.

Usage Guidelines

GET, POST, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ve/11/ip/dhcp/relay/servers

Request Body

None

Response Body

```
<servers xmlns="urn:brocade.com:mgmt:brocade-dhcp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ve/11/ip/dhcp/relay/servers/21.1.1.10%2C.">
  <address>21.1.1.10</address>
  <use-vrf>.</use-vrf>
</servers>
<servers xmlns="urn:brocade.com:mgmt:brocade-dhcp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ve/11/ip/dhcp/relay/servers/31.1.1.10%2CRED">
  <address>31.1.1.10</address>
  <use-vrf>RED</use-vrf>
</servers>
```

The following example uses the POST option to configure DHCP relay server.

URI

http://host:80/rest/config/running/interface/ethernet/%221/10%22/ip/dhcp/relay

Request Body

```
<servers>
  <address>10.10.10.10</address>
  <use-vrf>vrf1</use-vrf>
</servers>
```

Response Body

None

The following example uses the DELETE option to remove DHCP relay server.

URI

http://host:80/rest/config/running/interface/ethernet/%221/10%22/ip/dhcp/relay/servers/address/10.10.10.10

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/igmp

Configures, modifies, or retrieves the Internet Group Management Protocol (IGMP).

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	Configures IGMP.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	Retrieves IGMP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/last-member-query-interval	Retrieves the IGMP last-member query interval for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-interval	Retrieves the IGMP query interval for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-max-response-time	Retrieves the maximum response time for IGMP queries for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/immediate-leave	Removes a group from the IGMP table immediately following receipt of a Leave Group request.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/version	Retrieves the IGMP version on a device.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	<static-group><igmpl3-sg-addr>{igmpl3-sg-addr}</igmpl3-sg-addr></static-group>	Configures the IGMP static group membership entries for a specific interface.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	"<igmp><last-member-query-interval>{unit32}</last-member-query-interval></igmp>	Configures the IGMP last-member query interval for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	"<igmp><query-interval>{unit32}</query-interval></igmp>	Configures the IGMP query interval for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	<igmp><query-max-response-time>{unit32}</query-max-response-time></igmp>	Configures the maximum response time for IGMP queries for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	<igmp><immediate-leave>{enumeration}</immediate-leave></igmp>	Removes a group from the IGMP table immediately following receipt of a Leave Group request.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp	<igmp><version>{unit32}</version></igmp>	Configures the IGMP version on a device.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/last-member-query-interval	<last-member-query-interval>{unit32}</last-member-query-interval>	Configures the IGMP last-member query interval for an interface.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-interval	<query-interval>{unit32}</query-interval>	Configures the IGMP query interval for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-max-response-time	"<query-max-response-time>{unit32}</query-max-response-time>"	Configures the maximum response time for IGMP queries for an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/immediate-leave	"<immediate-leave>{enumeration}</immediate-leave>"	Removes a group from the IGMP table immediately following receipt of a Leave Group request.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/version	"<version>{unit32}</version>"	Configures the IGMP version on a device.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/last-member-query-interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-max-response-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/immediate-leave
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/version
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/static-group/{igmp3-sg-addr}
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/query-max-response-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/immediate-leave
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/igmp/version

Parameters

last-member-query-interval

Specifies the the IGMP last-member query interval time in milliseconds. Range is from 100 through 25500 milliseconds. The default is 1000.

query-interval

Specifies the IGMP query interval time in seconds. Range is from 1 through 18000 seconds. The default is 125.

query-max-response-time

Specifies the maximum response time for IGMP queries for an interface in seconds. Range is from 1 through 25 seconds. The default is 10.

version

Specifies the IGMP version number on a device: 1, 2, or 3. Version 2 is the default.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ip/igmp

Request Body

None

Response Body

```
<igmp xmlns="urn:brocade.com:mgmt:brocade-igmp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%223/12%22/ip/igmp">
  <last-member-query-interval>2000</last-member-query-interval>
  <query-interval>200</query-interval>
  <query-max-response-time>20</query-max-response-time>
  <immediate-leave>true</immediate-leave>
  <version>3</version>
</igmp>
```

The following is an example of the POST operation to configure the IGMP static group membership entries for a specific interface.

URI

http://host:80/rest/config/running/interface/Ve/11/ip/igmp

Request Body

```
<static-group><igmp13-sg-addr>230.100.100.100</igmp13-sg-addr></static-group>
```

Response Body

None

The following is an example of the DELETE operation to remove managed config flag on a specified interface.

URI

http://host:80/rest/config/running/interface/Ve/11/ip/igmp/last-member-query-interval

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/pim

Configures, retrieves, and modifies Protocol Independent Multicast on physical or VE interfaces.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim	Configures, modifies, or retrieves Protocol Independent Multicast (PIM) attributes.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/dr-priority	Retrieves the designated router (DR) priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/ttl-threshold	Retrieves the IP PIM time to live (TTL) threshold.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim-sparse	Retrieves the Protocol Independent Multicast state under Physical, Loopback or VE interfaces.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/dr-priority	<dr-priority>{uint32}</dr-priority>	Updates the designated router (DR) priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/ttl-threshold	<ttl-threshold>{uint32}</ttl-threshold>	Updates the IP PIM Time-To-Live (TTL) threshold.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/dr-priority	<dr-priority>{uint32}</dr-priority>	Sets the designated router (DR) priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/ttl-threshold	<ttl-threshold>{uint32}</ttl-threshold>	Sets the IP PIM Time-To-Live (TTL) threshold.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/dr-priority
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim/ttl-threshold
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/pim-sparse

Usage Guidelines

GET, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/router/pim

Request Body

None

Response Body

```
<dr-priority xmlns="urn:brocade.com:mgmt:brocade-pim" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%227/1%22/ip/pim/dr-priority">255</dr-priority>
```

The following example uses the PUT option to set the designated router (DR) priority.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/ip/pim/dr-priority

Request Body

```
<pim><dr-priority>{uint32}</dr-priority></pim>
```

Response Body

None

The following example uses the PATCH option to update the designated router (DR) priority.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/ip/pim/dr-priority

Request Body

```
<pim><dr-priority>{uint32}</dr-priority></pim>
```

Response Body

None

interface/{interface-type}/{interface-name}/ip/pim

The following example uses the DELETE option to remove the designated router (DR) priority.

URI

http://host:80/rest/config/running/interface/Ethernet/%227/1%22/ip/pim/dr-priority

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/policy

Configures, modifies, or retrieves the Policy-based Routing (PBR) configuration.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/policy	Configures PBR. Supported interface types are: Ethernet and VE.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/policy	Configures PBR.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/policy/route-map	Enables PBR
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/policy/route-map/route-map-name	Enables PBR

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/policy/route-map	<route-map><route-map-name>{common-def:name-string63}</route-map-name></route-map>	Enables PBR on an Ethernet interface or VE.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/policy/route-map/route-map-name	<route-map-name>{common-def:name-string63}</route-map-name>	Enables PBR on an Ethernet interface or VE.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/policy/route-map/route-map-name

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ip/policy

Request Body

None

Response Body

```
<policy y:self="/rest/config/running/interface/ethernet/%22195/7%22/ip/policy">
  <route-map y:self="/rest/config/running/interface/ethernet/%22195/7%22/ip/policy/route-map">
    <route-map-name>map12</route-map-name>
  </route-map>
</policy>
```

The following is an example of the PUT operation to configure a route map.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ip/policy/route-map

Request Body

```
<route-map>
  <route-map-name>map12</route-map-name>
</route-map>
```

Response Body

None

The following is an example of the DELETE operation to remove route map.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ip/policy/route-map/map12

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/proxy-arp

Configures Proxy-Arp on the interface.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/proxy-arp	Configures Proxy-ARP on the interface.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/proxy-arp	Configures Proxy-ARP on the interface. Ethernet and VE interfaces are supported.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/proxy-arp	<proxy-arp>true</proxy-arp>	Enables Proxy-ARP on interface.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/proxy-arp	<proxy-arp>true</proxy-arp>	Enables Proxy-ARP on interface.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/proxy-arp

Parameters

proxy-arp

Enables Proxy-Arp on the interface.

Usage Guidelines

GET, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running//interface/ethernet/%223/14%22/ip/proxy-arp

Request Body

None

Response Body

```
<proxy-arp xmlns="urn:brocade.com:mgmt:brocade-ip-config" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%223/14%22/ip/proxy-arp">true</proxy-arp>
```

The following example uses the PATCH option to configure Proxy-ARP on Ethernet interface.

URI

http://host:80/rest/config/running//interface/ethernet/%223/14%22/ip/proxy-arp

Request Body

```
<proxy-arp>true</proxy-arp>
```

Response Body

None

The following example uses the DELETE option to remove Proxy-ARP from Ethernet interface.

URI

http://host:80/rest/config/running//interface/ethernet/%223/14%22/ip/proxy-arp

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/router/isis

Configures Intermediate System-to-Intermediate System (IS-IS) routing at the interface level.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/router/isis	Configures IS-IS routing protocol.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/router	Configures IS-IS routing protocol.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip//router/isis	Enables IS-IS.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/router/isis	<isis>{enumeration}</isis>	Configures IS-IS routing protocol.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/router	<isis>{enumeration}</isis>	Configures IS-IS routing protocol.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/router

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ve/101/ip/router

Request Body

None

Response Body

```
<router xmlns="urn:brocade.com:mgmt:brocade-isis" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ve/101/ip/router">
  <isis>true</isis>
</router>
```

The following example uses the PUT option to configure IS-IS routing protocol.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/ip/router/isis

Request Body

```
<isis>true</isis>
```

Response Body

None

The following example uses the DELETE option to remove IS-IS routing protocol.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/ip/router

Request Body

None

Response Body

None

interface/{interface-type}/{interface-name}/ip/router/isis

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ip/vrrp-extended

Configures, retrieves, and modifies VRRPE.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/vrrp-extended	Configures VRRPE. Supported interface types are: Physical, loopback, or VE interfaces.

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ip/vrrp-extended/auth-type/md5-auth/auth-data	Authentication data

PUT URIs	Payload	Description
<base_URI>/config/running/{interface-type}/{interface-name}/ip/vrrp-extended/auth-type/md5-auth/auth-data	<auth-data>{vrrpedescription}</auth-data>	Authentication data

PATCH URIs	Payload	Description
<base_URI>/config/running/{interface-type}/{interface-name}/ip/vrrp-extended/auth-type/md5-auth	<md5-auth><auth-data>vrrp-e</auth-data></md5-auth>	MD5 authentication

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ve/2/ip/vrrp-extended

Request Body

None

Response Body

```
<vrrp-extended xmlns="urn:brocade.com:mgmt:brocade-vrrp" y:self="/rest/config/running/interface/Ve/2/ip/vrrp-extended">
  <auth-type y:self="/rest/config/running/interface/Ve/2/ip/vrrp-extended/auth-type">
    <md5-auth y:self="/rest/config/running/interface/Ve/2/ip/vrrp-extended/auth-type/md5-auth">
      </md5-auth>
    </auth-type>
  </vrrp-extended>
```

The following is an example of the PATCH operation to configure MD5 authentication.

URI

http://host:80/rest/config/running/interface/Ve/100/ip/vrrp-extended/auth-type/md5-auth

Request Body

```
<md5-auth><auth-data>vrrp-e</auth-data></md5-auth>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ipv6/access-group

Configures, modifies, or retrieves the Internet Protocol version 6 (IPv6) access group.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/access-group	Configures IPv6 access group.

Parameters

ipv6-access-list

Specifies the name of the standard or extended IP access list.

ip-direction

Specifies the binding direction.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ethernet/%221/5%22/ipv6/access-group

Request Body

None

Response Body

```
<access-group xmlns="urn:brocade.com:mgmt:brocade-ipv6-access-list" y:self="/rest/config/running/
interface/ethernet/%221/5%22/ipv6/access-group/acl1%2Cin">
  <ipv6-access-list>acl1</ipv6-access-list>
  <ip-direction>in</ip-direction>
</access-group>
```

The following is an example of the POST operation to add an access-group.

URI

http://host:80/rest/config/running/interface/ethernet/%221/5%22/ipv6

Request Body

```
<access-group>
  <ipv6-access-list>acl8</ip-access-list>
  <ip-direction>in</ip-direction>
</access-group>
```

Response Body

None

The following is an example of the DELETE operation to remove the access-group configuration.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/ipv6/access-group/(ipv6-access-list)/(ip-direction)

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ipv6/dhcp/relay

Configures DHCPv6 relay.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay	Configures DHCPv6 relay server.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay	Configures DHCPv6 relay server.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay/servers/address	Configures DHCPv6 server address.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay/servers/{ipv6-address}	Configures DHCPv6 server address.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay/servers/{ipv6-address}/use-vrf	Configures DHCPv6 server VRF to use.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay/servers/{ipv6-address}/interface	Configures DHCPv6 server interface.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay	<servers><address>(ipv6-address)</address><use-vrf>(vrf-name)</use-vrf></servers>	Configures DHCPv6 server and VRF to use.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay	<servers><address>(ipv6-address)</address>	Configures DHCPv6 server.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay	<servers><address>(ipv6-address)</address><interface><interface>(type)</interface><interface-name>(name)</interface-name></servers>	Configures DHCPv6 server interface.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay/servers/{ipv6-address}

Parameters

address

IPv6 address of the server.

use-vrf

Specifies the VRF name.

Usage Guidelines

GET, POST, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ve/11/ipv6/dhcp/relay

Request Body

None

Response Body

```
<relay xmlns="urn:brocade.com:mgmt:brocade-dhcpv6" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ve/11/ipv6/dhcp/relay">
  <servers y:self="/rest/config/running/interface/Ve/11/ipv6/dhcp/relay/servers/2021:dade::1010">
    <address>2021:dade::1010</address>
  </servers>
  <servers y:self="/rest/config/running/interface/Ve/11/ipv6/dhcp/relay/servers/2031:dade::1010">
    <address>2031:dade::1010</address>
  </servers>
</relay>
```

The following example uses the POST option to configure DHCPv6 server.

URI

http://host:80/rest/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay

Request Body

```
<servers>
  <address>2021:dade::1020</address>
  <use-vrf>vrf1</use-vrf>
</servers>
```

Response Body

None

The following example uses the DELETE option to remove DHCPv6 server.

URI

http://host:80/rest/config/running/interface/{interface-type}/{interface-name}/ipv6/dhcp/relay/servers/2021:dade::1020

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ipv6/nd

Configures, modifies, or retrieves the Neighbor Discovery commands on a specified interface.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd	Configures Neighbor Discovery commands on a specified interface.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/managed-config-flag	Sets managed config flag in router advertisement
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/other-config-flag	Sets other config flag in router advertisement
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-lifetime	Sets lifetime period in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/reachable-time	Sets reachable period in milliseconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/mtu	Sets IP MTU in bytes.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/retrans-timer	Sets retransmit interval time.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/hoplimit	Sets the hop limit.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference	Sets router-preference value on the interface, default is medium.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/dad/attempts	Sets attempts count for duplicate address detection.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/dad/time	Sets duplicate address detection interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/cache/expire	Sets cache expire timeout in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/suppress-ra-flag	Sets suppress router advertisement flag.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/mtu	Disables sending MTU in Router-Advertisement messages.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/all	Suppresses response to RS in addition to not sending RAS.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/max-interval	Sets maximum interval in seconds between router advertisements.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/min	Sets minimum interval in seconds between router advertisements.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/send-ra	Sets to send router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ns-interval	Sets neighbor solicitation interval in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/address/suppress	Suppresses all IPv6 addresses in router advertisement.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/broadcast-mac-trap	Enables the trap for all the ipv6 packets with broadcast MAC.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/address	<suppressing-address><suppress-ipv6-address>(req_val)</suppress-ipv6-address><suppress /></suppressing-address>	Suppresses all IPv6 addresses in router advertisement.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/managed-config-flag	<managed-config-flag />	Sets managed config flag in router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/other-config-flag	<other-config-flag>(enumeration)</other-config-flag>	Sets other config flag in router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-lifetime	<ra-lifetime>{decimal}</ra-lifetime>	Sets RA lifetime period in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/reachable-time	<reachable-time>{decimal}</reachable-time>	Sets reachable period in milliseconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/mtu	<mtu>{decimal}</mtu>	Sets IP MTU in bytes.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/retrans-timer	<retrans-timer>{decimal}</retrans-timer>	Sets retransmit interval time.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/hoplimit	<hoplimit>{decimal}</hoplimit>	Sets the hop limit.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/high	<high>{enumeration}</high>	Sets router-preference value as high on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/low	<low>{enumeration}</low>	Sets router-preference value as low on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/medium	<medium>{enumeration}</medium>	Sets router-preference value as medium on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/dad/attempts	<attempts>{decimal}</attempts>	Sets attempts count for duplicate address detection.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/dad/time	<time>{decimal}</time>	Sets duplicate address detection interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/cache/expire	<expire>{decimal}</expire>	Sets cache expire timeout in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/suppress-ra-flag	<suppress-ra-flag></suppress-ra-flag>	Sets suppress router advertisement flag.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/mtu	<mtu></mtu>	Disables sending MTU in Router-Advertisement messages.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/all	<all></all>	Suppresses response to RS in addition to not sending RAS.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/max-interval	<max-interval>{decimal}</max-interval>	Sets maximum interval in seconds between router advertisements.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/min	<min>{decimal}</min>	Sets minimum interval in seconds between router advertisements.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/send-ra	<send-ra></send-ra>	Sets to send router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ns-interval	<ns-interval>{decimal}</ns-interval>	Sets neighbor solicitation interval in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/address/suppress	<suppress></suppress>	Suppresses all IPv6 addresses in router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/broadcast-mac-trap	<broadcast-mac-trap></broadcast-mac-trap>	Enables the trap for all the ipv6 packets with broadcast MAC.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/address/suppressing-address/(suppress-ipv6-address)	<suppressing-address><suppress /></suppressing-address>	Suppresses the specified IPv6 address in router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/prefix/(prefix-ipv6-address)	<prefix><no-onlink></no-onlink></prefix>	Specifies to not use prefix for onlink determination.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/prefix/(prefix-ipv6-address)	<prefix><off-link></off-link></prefix>	Prefix is offlink.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/managed-config-flag	<managed-config-flag />	Sets managed config flag in router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/other-config-flag	<other-config-flag>{enumeration}</other-config-flag>	Sets other config flag in router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-lifetime	<ra-lifetime>{decimal}</ra-lifetime>	Sets RA lifetime period in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/reachable-time	<reachable-time>{decimal}</reachable-time>	Sets reachable period in milliseconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/mtu	<mtu>{decimal}</mtu>	Sets IP MTU in bytes.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/retrans-timer	<retrans-timer>{decimal}</retrans-timer>	Sets retransmit interval time.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/hoplimit	<hoplimit>{decimal}</hoplimit>	Sets the hop limit.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/high	<high>{enumeration}</high>	Sets router-preference value as high on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/low	<low>{enumeration}</low>	Sets router-preference value as low on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/medium	<medium>{enumeration}</medium>	Sets router-preference value as medium on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/dad/attempts	<attempts>{decimal}</attempts>	Sets attempts count for duplicate address detection.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/dad/time	<time>{decimal}</time>	Sets duplicate address detection interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/cache/expire	<expire>{decimal}</expire>	Sets cache expire timeout in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/suppress-ra-flag	<suppress-ra-flag></suppress-ra-flag>	Sets suppress router advertisement flag.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/mtu	<mtu></mtu>	Disables sending MTU in Router-Advertisement messages.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/all	<all></all>	Suppresses response to RS in addition to not sending RAS.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/max-interval	<max-interval>{decimal}</max-interval>	Sets maximum interval in seconds between router advertisements.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/min	<min>{decimal}</min>	Sets minimum interval in seconds between router advertisements.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/send-ra	<send-ra></send-ra>	Sets to send router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ns-interval	<ns-interval>{decimal}</ns-interval>	Sets neighbor solicitation interval in seconds.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/address/suppress	<suppress></suppress>	Suppresses all IPv6 addresses in router advertisement.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/broadcast-mac-trap	<broadcast-mac-trap></broadcast-mac-trap>	Enables the trap for all the ipv6 packets with broadcast MAC.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/prefix/{prefix-ipv6-address}/no-onlink	<prefix><no-onlink></no-onlink></prefix>	Specifies to not use prefix for onlink determination.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/prefix/{prefix-ipv6-address}/off-link	<prefix><off-link></off-link></prefix>	Prefix is offlink.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/managed-config-flag
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/other-config-flag
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-lifetime
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/reachable-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/mtu
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/retrans-timer
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/hoplimit
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/high
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/low
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/medium
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/router-preference/dad/attempts
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/dad/time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/cache/expire
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/suppress-ra-flag
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/mtu
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/suppress-ra/all
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/max-interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ra-interval/min
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/send-ra
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/ns-interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/address/suppress
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/broadcast-mac-trap
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/address/suppressing-address/(suppress-ipv6-address)
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/prefix/{prefix-ipv6-address}/no-onlink
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/prefix/{prefix-ipv6-address}/off-link

Parameters

ra-lifetime

Specifies the RA lifetime period in seconds. Valid values are from 0 through 9000 seconds. Default value is 1800 seconds.

reachable-time

Specifies the reachable period in milliseconds. Valid values are from 0 through 3600000. The default value is 0.

mtu

Specifies the IP MTU in bytes. Valid values are from 1280 through 65535. The default value is 1500.

retrans-timer

Specifies the retransmit interval time in milliseconds. Valid values are from 0 through 4294967295. The default value is 0.

hoplimit

Specifies the hop limit. Valid values are from 0 through 255. The default value is 64.

dad attempts

Specifies the number of neighbor solicitation attempts for duplicate address detection. Valid values are from 0 through 10 attempts. Default value is 2.

dad time

Specifies the duplicate address detection interval in seconds. Valid values are from 1 through 5 seconds. Default value is 1 second.

expire

Specifies the time interval after which the cache is deleted or refreshed. Valid values are from 30 through 14400 seconds. The default value is 14400.

max-interval

Specifies the maximum interval in seconds between router advertisements. Valid values are from 4 through 1800 seconds. The default value is 600.

min

Specifies the minimum interval in seconds between router advertisements. Valid values are from 4 through 1800 seconds. The default value is 200.

ns-interval

Specifies the neighbor solicitation interval in seconds. Valid values are from 1 through 5 seconds. Default value is 1 second.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd

Request Body

None

Response Body

```
<nd xmlns="urn:brocade.com:mgmt:brocade-ipv6-nd-ra" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd">
  <suppress-ra y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/suppress-ra">
    </suppress-ra>
  <ra-interval y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-interval">
    </ra-interval>
  <router-preference y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/router-preference">
    </router-preference>
  <ra-dns-server y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-dns-server/2100:21:2134::566">
    <dns-server-prefix>2100:21:2134::566</dns-server-prefix>
  </ra-dns-server>
  <ra-dns-server y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-dns-server/3600:36::1">
    <dns-server-prefix>3600:36::1</dns-server-prefix>
  </ra-dns-server>
  <ra-dns-server y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-dns-server/3600:36::11">
    <dns-server-prefix>3600:36::11</dns-server-prefix>
  </ra-dns-server>
  <ra-domain-name y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-domain-name/dhiya.in">
    <domain-name-string>dhiya.in</domain-name-string>
  </ra-domain-name>
  <ra-domain-name y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-domain-name/dhiya.sk">
    <domain-name-string>dhiya.sk</domain-name-string>
  </ra-domain-name>
  <ra-domain-name y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-domain-name/dhiya.uk">
    <domain-name-string>dhiya.uk</domain-name-string>
  </ra-domain-name>
  <ra-domain-name y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/ra-domain-name/dhiya.us">
    <domain-name-string>dhiya.us</domain-name-string>
  </ra-domain-name>
  <address y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/address">
    </address>
  <dad y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/dad">
    </dad>
  <cache y:self="/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/cache">
    </cache>
</nd>
```

The following is an example of the PUT operation to configure managed config flag on a specified interface.

URI

http://host:80/rest/config/running/interface/{interface-type}/{interface-name}/ipv6/nd/managed-config-flag

Request Body

```
<managed-config-flag>true</managed-config-flag>
```

Response Body

None

The following is an example of the DELETE operation to remove managed config flag on a specified interface.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ipv6/nd/managed-config-flag

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ipv6/ospf

Configures, modifies, or retrieves the Open Shortest Path First (OSPF) version 3.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/active	Configures PBR (IPv6). Supported interface types are: Ethernet and VE.

GET URIs	Description

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/active	<active>{enumeration}</active>	Sets a specific OSPFv3 interface to active.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/passive	<passive>{enumeration}</passive>	Sets a specific OSPFv3 interface to passive.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/cost	<cost>{uint32}</cost>	Configures cost for a specific OSPFv3 interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/instance	<instance>{uint32}</instance>	Specifies the number of OSPFv3 instances running on an interface
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/mtu-ignore	<mtu-ignore>{enumeration}</mtu-ignore>	Enables or disables maximum transmission unit (MTU) match checking.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/network	<network>{enumeration}</network>	Configures network type.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/priority	<priority>{uint32}</priority>	Configures priority for designated router (DR) election and backup designated routers (BDRs) on the interface you are connected to.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/suppress-linklsa	<suppress-linklsa>{enumeration}</suppress-linklsa>	Suppresses link LSA advertisements.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/authentication/ipsec/key-add-remove-interval	<key-add-remove-interval>{common-def:time-interval-sec}</key-add-remove-interval>	Key add or remove interval in seconds
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/hello-interval	<hello-interval>{common-def:time-interval-sec}</hello-interval>	Sets the length of time between the transmission of hello packets that an interface sends to neighbor routers.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/dead-interval	<dead-interval>{common-def:time-interval-sec}</dead-interval>	Specifies the time period for which a neighbor router waits for a hello packet from the device before declaring the router down.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/hello-jitter	<hello-jitter>{uint32}</hello-jitter>	Sets the allowed jitter between HELLO packets.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/retransmit-interval	<retransmit-interval>{common-def:time-interval-sec}</retransmit-interval>	Configures the retransmit interval. The retransmit interval is the time between Link-State Advertisement (LSA) retransmissions to adjacent routers for a given interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/ospf/transmit-delay	<transmit-delay>{common-def:time-interval-sec}</transmit-delay>	Configures transmit delay for link-update packets. The transmit delay is the estimated time required for OSPFv3 to send linkstate update packets on the interface to which you are connected.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><ah>{algorithm-type-ah}</ah><disable>{enumeration}</disable></authentication>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><no-encrypt>{enumeration}</no-encrypt><disable>{enumeration}</disable></authentication>	Security Parameter Index without encrypting the key.
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><key>{ipsec-authentication-hexkey-string}</key><disable>{enumeration}</disable></authentication>	Security Parameter Index with Key used for ah.
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><esp>{algorithm-type-esp}</esp><disable>{enumeration}</disable></authentication>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><esp-no-encrypt>{enumeration}</esp-no-encrypt><disable>{enumeration}</disable></authentication>	Security Parameter Index without encrypting the key
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><esp-key>{ipsec-authentication-hexkey-string}</esp-key><disable>{enumeration}</disable></authentication>	Security Parameter Index with Hexadecimal key string for ESP
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><esp-auth>{algorithm-type-ah}</esp-auth><disable>{enumeration}</disable></authentication>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><no-encrypt>{enumeration}</no-encrypt><disable>{enumeration}</disable></authentication>	Security Parameter Index without encrypting the key
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<authentication><spi>{spi-value-type}</spi><key>{ipsec-authentication-hexkey-string}</key><disable>{enumeration}</disable></authentication>	Security Parameter Index with Hexadecimal key string for authentication algorithm.
<base_URI>/config/running/interface/{interface-type}/{name}/ipv6/ospf/authentication/ipsec	<ipsec><key-add-remove-interval>{common-def:time-interval-sec}</key-add-remove-interval></ipsec>	Key add or remove interval in seconds.

interface/{interface-type}/{interface-name}/ipv6/ospf

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following is an example of the PUT operation to configure a specific OSPFv3 interface to active.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ipv6/ospf/active

Request Body

```
<active>true</active>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ipv6/policy

Configures, modifies, or retrieves the Policy-based Routing (PBR) configuration.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/policy	Configures PBR (IPv6). Supported interface types are: Ethernet and VE.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/policy	Configures PBR (IPv6). Supported interface types are: Ethernet and VE.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/policy/route-map	Enables PBR (IPv6)
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/policy/route-map/ipv6-route-map-name	Enables PBR (IPv6)

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/policy/route-map	<route-map><ipv6-route-map-name>{common-def:name-string63}</ipv6-route-map-name></route-map>	Configures PBR (IPv6) on an Ethernet interface or VE.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/policy/route-map/ipv6-route-map-name	<ipv6-route-map-name>{common-def:name-string63}</ipv6-route-map-name>	Configures PBR (IPv6) on an Ethernet interface or VE.

DELETE URIs
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/policy/route-map/ipv6-route-map-name

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ipv6/policy

Request Body

None

Response Body

None

The following is an example of the PUT operation to configure a route map.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ipv6/policy/route-map/map10

Request Body

```
<policy xmlns="urn:brocade.com:mgmt:brocade-ip-policy" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%221/39%22/ipv6/policy">
  <route-map y:self="/rest/config/running/interface/Ethernet/%221/39%22/ipv6/policy/route-map">
    <ipv6-route-map-name>map10</ipv6-route-map-name>
  </route-map>
</policy>
```

Response Body

None

The following is an example of the DELETE operation to remove a route map.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ipv6/policy/route-map/map10

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ipv6/router/isis

Configures Intermediate System-to-Intermediate System (IS-IS) routing at the interface level.

Resource URIs

URI	Description
<base_URI>rest/config/running/interface/{interface-type}/{interface-name}/ipv6/router/isis	Configures IS-IS routing protocol.

GET URIs	Description
<base_URI>rest/config/running/interface/{interface-type}/{interface-name}/ipv6/router	Configures IS-IS routing protocol.
<base_URI>rest/config/running/interface/{interface-type}/{interface-name}/ipv6/router/isis	Enables IS-IS.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/router/isis	<isis>{enumeration}</isis>	Configures IS-IS routing protocol.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/router	<isis>{enumeration}</isis>	Configures IS-IS routing protocol.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/router

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/ipv6/router

Request Body

None

Response Body

```
<router xmlns="urn:brocade.com:mgmt:brocade-isis" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%224/10%22/ipv6/router">
  <isis>true</isis>
</router>
```

The following example uses the PUT option to configure IS-IS routing protocol.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/ipv6/router/isis

Request Body

```
<isis>true</isis>
```

Response Body

None

The following example uses the DELETE option to remove IS-IS routing protocol.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/ipv6/router

Request Body

None

Response Body

None

interface/{interface-type}/{interface-name}/ipv6/router/isis

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ipv6/vrrp-extended

Configures, retrieves, and modifies VRRPE.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/vrrp-extended	Configures VRRPE. Supported interface types are: Physical, loopback, or VE interfaces.

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ipv6/vrrp-extended/auth-type/md5-auth/auth-data	Authentication data

PATCH URIs	Payload	Description
<base_URI>/config/running/{interface-type}/{interface-name}/ipv6/vrrp-extended/auth-type/md5-auth	<md5-auth><auth-data>vrrpe</auth-data></md5-auth>	MD5 authentication

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ve/2/ipv6/vrrp-extended

Request Body

None

Response Body

```
<vrrp-extended xmlns="urn:brocade.com:mgmt:brocade-vrrp" y:self="/rest/config/running/interface/ve/2/ipv6/vrrp-extended">
  <auth-type y:self="/rest/config/running/interface/ve/2/ipv6/vrrp-extended/auth-type">
    <md5-auth y:self="/rest/config/running/interface/ve/2/ipv6/vrrp-extended/auth-type/md5-auth">
      </md5-auth>
    </auth-type>
  </vrrp-extended>
```

interface/{interface-type}/{interface-name}/ipv6/vrrp-extended

The following is an example of the PATCH operation to configure MD5 authentication.

URI

http://host:80/rest/config/running/interface/Ve/100/ipv6/vrrp-extended/auth-type/md5-auth

Request Body

```
<md5-auth><auth-data>vrrpe</auth-data></md5-auth>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/isis

Configures IS-IS routing protocol.

Resource URIs

URI	Description
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	Configures IS-IS routing protocol.

GET URI	Description
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	Configures IS-IS routing protocol.
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check	Authenticates incoming PDUs for LSPs, CSNP, and PSNP.
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-1	Authenticate incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-1/disable	Disables authentication of incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-2	Authenticates incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-2/disable	Disables authentication of incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric	Configures IS-IS reverse metric at the router level.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/rev-metric-val	Configures IS-IS reverse metric value.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/whole-lan	Change metric for whole LAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/te-def-metric	Updates TE default metric sub-tlv.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode	Defines authentication mode.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5	HMAC-MD5 authentication
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5/level-1	Authentication mode for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5/level-2	Authentication mode for Level-2 LSPs, CSNP, PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-key/level-1	Auth-key for Level-1 ISIS Router
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-key/level-2	Auth-key for Level-2 ISIS Router
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello	Sets hello mode on this interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello/padding	Pad hello packets on this interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello/padding/disable	Disables padding hello packets on this interface.

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-interval/level-1	Defines interval between hello PDUs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-interval/level-2	Define interval between hello PDUs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-multiplier/level-1	Define neighbor dead interval as multiplier of hello interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-multiplier/level-2	Define neighbor dead interval as multiplier of hello interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/circuit-type	Defines inter-area/intra area operation mode.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ipv6	Interface ipv6 attributes for IS-IS.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ipv6/metric/level-1	Interface ipv6 Metric for IS-IS
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ipv6/metric/level-2	Interface ipv6 Metric for IS-IS.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/metric/level-1	Interface metric
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/point-to-point	Point-to-point interface for ISIS operation.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/passive	Passive interface for ISIS operation.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority	Router priority for ISIS.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority/level-1	Priority for Level-1 ISIS Router.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority/level-2	Priority for Level-2 ISIS Router.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ldp-sync	Sets LDP-SYNC operation mode on this interface.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<reverse-metric />	Configures IS-IS reverse metric at the router level.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<auth-key><interface-auth-key-level>level-1</interface-auth-key-level><interface-auth-key-str>hello</interface-auth-key-str></auth-key>	Auth-key for Level-1 ISIS Router
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<hello-interval><interface-hello-interval-level>level-2</interface-hello-interval-level><interface-hello-interval-val>{unit32}</interface-hello-interval-val></hello-interval>	Defines interval between hello PDUs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<hello-multiplier><interface-hello-multiplier-level>level-2</interface-hello-multiplier-level><interface-hello-multiplier-val>{unit32}</interface-hello-multiplier-val></hello-multiplier>	Defines neighbor dead interval as multiplier of hello interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ipv6	<metric><interface-ipv6-metric-level>level-2</interface-ipv6-metric-level><interface-ipv6-metric-val>{unit32}</interface-ipv6-metric-val></metric>	Interface ipv6 Metric for IS-IS

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<metric><interface-metric-level>level-2</interface-metric-level><interface-metric-val>{unit32}</interface-metric-val></metric>	Interface metric

PUT URIs	Payload	Description
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-1/disable	<disable>{enumeration}</disable>	Disables authentication of incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-2/disable	<disable>{enumeration}</disable>	Disables authentication of incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/rev-metric-val	<rev-metric-val>{unit32}</rev-metric-val>	Configures IS-IS reverse metric value.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/whole-lan	<whole-lan>{enumeration}</whole-lan>	Changes metric for whole LAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/te-def-metric	<te-def-metric>{enumeration}</te-def-metric>	Updates TE default metric sub-tlv.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5/level-1	<level-1>{enumeration}</level-1>	Authentication mode for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/<base_URI>/config/running/interface/{interface-type}/{interface-name}/auth-mode/md5/level-2	<level-2>{enumeration}</level-2>	Authentication mode for Level-2 LSPs, CSNP, PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello/padding/disable	<disable>{enumeration}</disable>	Disables padding hello packets on this interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/circuit-type	<circuit-type>level-1</circuit-type>	Defines inter-area/intra area operation mode.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/point-to-point	<point-to-point>{enumeration}</point-to-point>	Point-to-point interface for ISIS operation.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/passive	<passive>{enumeration}</passive>	Passive interface for ISIS operation.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority/level-1	<level-1>{unit32}</level-1>	Priority for Level-1 ISIS Router.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority/level-2	<level-2>{unit32}</level-2>	Priority for Level-2 ISIS Router.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ldp-sync	<ldp-sync>disable</ldp-sync>	Sets LDP-SYNC operation mode on this interface.

PATCH URIs	Payload	Description
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-1	<level-1><disable>{enumeration}</disable></level-1>	Disables authentication of incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/rest<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-2	<level-2><disable>{enumeration}</disable></level-2>	Disables authentication of incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric	<reverse-metric><rev-metric-val>{string}</rev-metric-val></reverse-metric>	Configures IS-IS reverse metric value.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric	<reverse-metric><whole-lan>{enumeration}</whole-lan></reverse-metric>	Changes metric for whole LAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric	<reverse-metric><te-def-metric>{enumeration}</te-def-metric></reverse-metric>	Updates TE default metric sub-tlv.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5	<md5><level-1>{enumeration}</level-1></md5>	Authentication mode for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5	<md5><level-2>{enumeration}</level-2></md5>	Authentication mode for Level-2 LSPs, CSNP, PSNP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-key/level-1	<auth-key><interface-auth-key-str>hello</interface-auth-key-str></auth-key>	Auth-key for Level-1 ISIS Router
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello/padding	<padding><disable>{enumeration}</disable></padding>	Disables padding hello packets on this interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-interval/level-1	<hello-interval><interface-hello-interval-val>{unit32}</interface-hello-interval-val></hello-interval>	Defines interval between hello PDUs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-multiplier/level-2	<hello-multiplier><interface-hello-multiplier-val>{unit32}</interface-hello-multiplier-val></hello-multiplier>	Defines neighbor dead interval as multiplier of hello interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<isis><circuit-type>level-1</circuit-type></isis>	Defines inter-area/intra area operation mode.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ipv6/metric/level-2	<metric><interface-ipv6-metric-val>{unit32}</interface-ipv6-metric-val></metric>	Interface ipv6 Metric for IS-IS
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<isis><point-to-point>{enumeration}</point-to-point></isis>	Point-to-point interface for ISIS operation.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<isis><passive>{enumeration}</passive></isis>	Passive interface for ISIS operation.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority	<priority><level-1>{unit32}</level-1></priority>	Priority for Level-1 ISIS Router.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority	<priority><level-2>{unit32}</level-2></priority>	Priority for Level-2 ISIS Router.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis	<isis><ldp-sync>enable</ldp-sync></isis>	Sets LDP-SYNC operation mode on this interface.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-1/disable
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-check/level-2/disable
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/rev-metric-val
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/whole-lan
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/reverse-metric/te-def-metric
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5/level-1
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-mode/md5/level-2
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/auth-key/level-1
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello/padding/
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello/padding/disable
<base_URI>/config/running/interface/{interface-type}/{interface-name}/hello-interval/level-1
<base_URI>/config/running/interface/{interface-type}/{interface-name}/hello-interval/level-2
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-multiplier/level-1
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/hello-multiplier/level-2
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/circuit-type
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ipv6/metric/level-1
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ipv6/metric/level-2
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/metric/level-1
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/point-to-point
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/passive
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority/level-1
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/priority/level-2
<base_URI>/config/running/interface/{interface-type}/{interface-name}/isis/ldp-sync

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ve/101/isis

Request Body

None

Response Body

```
<isis xmlns="urn:brocade.com:mgmt:brocade-isis" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/interface/Ethernet/%224/10%22/isis">
  <auth-check y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/auth-check">
    <level-1 y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/auth-check/level-1">
      <disable>true</disable>
    </level-1>
    <level-2 y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/auth-check/level-2">
      <disable>true</disable>
    </level-2>
  </auth-check>
  <reverse-metric y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/reverse-metric">
    <rev-metric-val>2000</rev-metric-val>
    <whole-lan>true</whole-lan>
    <te-def-metric>true</te-def-metric>
  </reverse-metric>
  <auth-mode y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/auth-mode">
    <md5 y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/auth-mode/md5">
      <level-1>true</level-1>
      <level-2>true</level-2>
    </md5>
  </auth-mode>
  <auth-key y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/auth-key/level-1">
    <interface-auth-key-level>level-1</interface-auth-key-level>
  </auth-key>
  <auth-key y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/auth-key/level-2">
    <interface-auth-key-level>level-2</interface-auth-key-level>
  </auth-key>
  <hello y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/hello">
    <padding y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/hello/padding">
      <disable>true</disable>
    </padding>
  </hello>
  <hello-interval y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/hello-interval/
level-1">
    <interface-hello-interval-level>level-1</interface-hello-interval-level>
  </hello-interval>
  <hello-multiplier y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/hello-multiplier/
level-1">
    <interface-hello-multiplier-level>level-1</interface-hello-multiplier-level>
  </hello-multiplier>
  <circuit-type>level-2</circuit-type>
  <ipv6 y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/ipv6">
    <metric y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/ipv6/metric/level-1">
      <interface-ipv6-metric-level>level-1</interface-ipv6-metric-level>
    </metric>
  </ipv6>
  <metric y:self="/rest/config/running/interface/Ethernet/%224/10%22/isis/metric/level-1">
    <interface-metric-level>level-1</interface-metric-level>
  </metric>
  <point-to-point>true</point-to-point>
  <passive>true</passive>
```



```
<priority y:self="/rest/config/running/interface/Ethernet/%24/10%22/isis/priority">
  <level-1>100</level-1>
  <level-2>99</level-2>
</priority>
</isis>
```

The following example uses the POST option to configure auth-key for Level-1 IS-IS router.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/isis

Request Body

```
<auth-key><interface-auth-key-level>level-1</interface-auth-key-level><interface-auth-key-str>hello</interface-auth-key-str></auth-key>
```

Response Body

None

The following example uses the DELETE option to remove authentication of incoming PDUs for LSPs, CSNP, and PSNP.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/3%22/isis/auth-check

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/link-error-disable

Configures port link dampening (PLD).

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-error-disable	Configures port link dampening (PLD).

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-error-disable	Configures port link dampening (PLD).
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-error-disable/wait-time-in-sec	Configures port link dampening (PLD) wait time.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-error-disable	<link-error-disable><link-error-disable-entry>1</link-error-disable-entry><sampling-time-in-sec>(unit32)</sampling-time-in-sec><wait-time-in-sec>(unit32)</wait-time-in-sec></link-error-disable>	Edits port link dampening configuration.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-error-disable	<link-error-disable><link-error-disable-entry>1</link-error-disable-entry><sampling-time-in-sec>(unit32)</sampling-time-in-sec><wait-time-in-sec>(unit32)</wait-time-in-sec></link-error-disable>	Updates port link dampening configuration.

Parameters

link-error-disable-entry

Specifies the link error disable entry.

sampling-time-in-sec

Specifies the sampling time.

wait-time-in-sec

Specifies the wait time.

Usage Guidelines

GET, PUT, PATCH, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/link-error-disable

Request Body

None

Response Body

```
<link-error-disable xmlns="urn:brocade.com:mgmt:brocade-pld" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%221/1%22/link-error-disable">
  <link-error-disable-entry>1</link-error-disable-entry>
  <sampling-time-in-sec>10</sampling-time-in-sec>
  <wait-time-in-sec>10</wait-time-in-sec>
</link-error-disable>
```

The following example uses the PATCH option to update the configuration.

URI

http://host:80/rest/config/running/interface/ethernet/%221/1%22/link-error-disable

Request Body

```
<link-error-disable>
  <link-error-disable-entry>1</link-error-disable-entry>
  <sampling-time-in-sec>10</sampling-time-in-sec>
  <wait-time-in-sec>10</wait-time-in-sec>
</link-error-disable>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/link-fault-signaling

Configures, retrieves, and modifies Link Fault Signaling (LFS).

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling	Configures LFS

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling	Retrieves LFS
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/tx	Retrieves TX LFS
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/rx	Retrieves RX LFS

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/rx	<rx>(enumeration)</rx>	Configures RX LFS
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/tx	<tx>(enumeration)</tx>	Configures TX LFS

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/rx	<rx>(enumeration)</rx>	Configures RX LFS
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/tx	<tx>(enumeration)</tx>	Configures TX LFS

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/tx
<base_URI>/config/running/interface/{interface-type}/{interface-name}/link-fault-signaling/rx

Parameters

rx
Specifies RX LFS

tx
Specifies TX LFS

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%226/57%22/link-fault-signaling

Request Body

None

Response Body

```
<link-fault-signaling xmlns="urn:brocade.com:mgmt:brocade-lfs" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/interface/Ethernet/%226/57%22/link-fault-signaling">
  <rx>on</rx>
  <tx>on</tx>
</link-fault-signaling>
```

The following example uses the PATCH option to configure RX LFS.

URI

http://host:80/rest/config/running/interface/Ethernet/%226/57%22/link-fault-signaling/rx

Request Body

```
<rx>on</rx>
```

Response Body

None

The following example uses the DELETE option to remove TX LFS.

URI

http://host:80/rest/config/running/interface/Ethernet//%226/57%22/link-fault-signaling/tx

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/lldp

Configures LLDP at the interface level/

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp	

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp/disable	Retrieves LLDP information.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp/profile	Retrieves LLDP profile information.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp	<lldp><disable>(string)</disable></lldp>	Enables or disables LLDP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp	<lldp><profile>(string)</profile></lldp>	Configures LLDP profile.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp	disable>(string)</disable>	Enables or disables LLDP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp	<profile>(string)</profile>	Configures LLDP profile.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/lldp/profile

Parameters

profile

Specifies the LLDP profile.

Usage Guidelines

GET, PATCH, PUT, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%222/7%22/lldp/profile

Request Body

None

Response Body

```
<profile>profile1</profile>
```

The following example uses the PATCH option to configure LLDP profile.

URI

http://host:80/rest/config/running/interface/Ethernet/%222/7%22/lldp/profile

Request Body

```
<profile>profile1</profile>
```

Response Body

None

The following example uses the DELETE option to remove LLDP profile.

URI

http://host:80/rest/config/running/interface/Ethernet/%222/7%22/lldp/profile

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/nd/ra-dns-server

Configures, modifies, or retrieves the Domain Name System (DNS) server address and the lifetime multiplier information to IPv6 hosts in the Router Advertisement (RA) message.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-dns-server	Configures the Domain Name System (DNS) server address and the lifetime multiplier information to IPv6 hosts in the Router Advertisement (RA) message.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-dns-server/{ipv6_address_of_name_server}	Retrieves the Domain Name System (DNS) server address to IPv6 hosts in the Router Advertisement (RA) message.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}	<ra-dns-server><dns-server-prefix-global>{dns-server-prefix}</dns-server-prefix-global></ra-dns-server>	Sets global DNS server option and sets the Lifetime multiplier.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-dns-server/{ipv6_address_of_name_server}/lifetime-multiplier	<lifetime-multiplier>decimal</lifetime-multiplier>	Lifetime multiplier for the DNS Server option

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-dns-server/{ipv6_address_of_name_server}/lifetime-multiplier
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-dns-server/{ipv6_address_of_name_server}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details and the lifetime multiplier information.

URI

http://host:80/rest/config/running/interface/Ethernet/%222/25%22/ra-dns-server/3300:36::11/lifetime-multiplier

Request Body

None

Response Body

```
<ra-dns-server xmlns="urn:brocade.com:mgmt:brocade-ipv6-nd-ra" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ipv6/nd/ra-dns-server/2100:21:2134::566">
  <dns-server-prefix-global>2100:21:2134::566</dns-server-prefix-global>
</ra-dns-server>
<ra-dns-server xmlns="urn:brocade.com:mgmt:brocade-ipv6-nd-ra" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ipv6/nd/ra-dns-server/3600:36::1">
  <dns-server-prefix-global>3600:36::1</dns-server-prefix-global>
</ra-dns-server>
<ra-dns-server xmlns="urn:brocade.com:mgmt:brocade-ipv6-nd-ra" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ipv6/nd/ra-dns-server/3600:36::11">
  <dns-server-prefix-global>3600:36::11</dns-server-prefix-global>
</ra-dns-server>
```

The following is an example of the POST operation to set global DNS server option and sets the Lifetime multiplier.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22

Request Body

```
<ra-dns-server><dns-server-prefix-global>3300:36::11</dns-server-prefix-global><lifetime-multiplier>199</
lifetime-multiplier></ra-dns-server>
```

Response Body

None

The following is an example of the DELETE operation to remove DNS server.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ra-dns-server/3400:36::11/lifetime-multiplier

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/ra-domain-name

Configures, modifies, or retrieves the domain name option.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-domain-name/{string}/lifetime-multiplier	Configures domain name option and lifetime multiplier for DNS search list option.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-domain-name/{string}/lifetime-multiplier	Retrieves lifetime multiplier for DNS search list option.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}	<ra-domain-name><domain-name-string-global>{name}</domain-name-string-global><lifetime-multiplier>{decimal}</lifetime-multiplier></ra-domain-name>	Sets global DNS server option and sets the lifetime multiplier.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-domain-name/{name}/lifetime-multiplier	<lifetime-multiplier>decimal</lifetime-multiplier>	Lifetime multiplier for DNS search list option.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-domain-name/{name}/lifetime-multiplier
<base_URI>/config/running/interface/{interface-type}/{interface-name}/ra-domain-name/{name}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ra-domain-name/dhiya.in/lifetime-multiplier

Request Body

None

Response Body

```
<ra-domain-name xmlns="urn:brocade.com:mgmt:brocade-ipv6-nd-ra" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ipv6/nd/ra-domain-name/test.in">
  <domain-name-string-global>test.in</domain-name-string-global>
</ra-domain-name>
```

The following is an example of the POST operation to configure domain name option.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22

Request Body

```
<ra-domain-name><domain-name-string-global>dhiya.in</domain-name-string-global><lifetime-multiplier>199</
lifetime-multiplier></ra-domain-name>
```

Response Body

None

The following is an example of the DELETE operation to remove domain name option.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/ra-domain-name/dhiya.in/lifetime-multiplier

Request Body

None

Response Body

None

interface/{interface-type}/{interface-name}/ra-domain-name

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/rmon/collection

Configures RMON ethernet statistics collection.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection	Configures RMON ethernet collection statistics.

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/stats/{ether-stats-index}/owner	Configures owner identity.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/buckets	Configures owner identity.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/interval	Configures polling interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/owner	Configures owner identity.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection	<stats><ether-stats-index>(int32)</ether-stats-index></stats>	Configures RMON collection statistics.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection	<history><history-control-index>(int32)</history-control-index></history>	Configures RMON collection history.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/stats/{ether-stats-index}/owner	<owner>(string)</owner>	Configures owner identity.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/buckets	<buckets>(unit32)</buckets>	Configures owner identity.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/interval	<interval>(unit32)</interval>	Configures polling interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/owner	<owner>(string)</owner>	Configures owner identity.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/stats/{ether-stats-index}

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/stats/{ether-stats-index}/owner
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/buckets
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/rmon/collection/history/{history-control-index}/owner

Parameters

ether-stats-index

Specifies ethernet statistics index. Valid range is from 1 to 65535.

history-control-index

Specifies history control index. Valid range is from 1 to 65535.

owner

Specifies the owner.

bucket

Specifies the history control buckets. Valid range is from 1 to 65535. The default value is 50.

interval

Specifies the history control interval. Valid range is from 1 to 3600. The default value is 1800.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

```
http://host:80/rest/config/running/rmon/interface/Ethernet/%22/13%22/rmon/collection/stats/65535/owner
```

Request Body

None

Response Body

```
<owner xmlns="urn:brocade.com:mgmt:brocade-rmon" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Ethernet/%22/13%22/rmon/collection/stats/65535/owner">sk</owner>
```


The following example uses the POST option to configure RMON collection history.

URI

http://host:80/rest/config/running/rmon/interface/Ethernet/%222/13%22/rmon/collection

Request Body

```
<history><history-control-index>40</history-control-index></history>
```

Response Body

None

The following example uses the DELETE option to remove owner identity.

URI

http://host:80/rest/config/running/rmon/interface/Ethernet/%222/13%22/rmon/collection/stats/{ether-stats-index}/owner

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/sflow

Configures, modifies, or retrieves sFlow configuration.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	Configures sFlow.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	Configures sFlow.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow/enable	Retrieves information on whether sFlow is enabled on an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow/polling-interval	Retrieves information on sFlow polling interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow/sample-rate	Retrieves information on sFlow sampling rate.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	<sflow><enable>true</enable></sflow>	Enables sFlow.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	<sflow><polling-interval>{uint32}</polling-interval></sflow>	Configures sFlow polling interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	<sflow><sample-rate>{uint32}</sample-rate></sflow>	Configures sFlow sampling rate.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	<sflow><enable>true</enable></sflow>	Enables sFlow.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	<sflow><polling-interval>{uint32}</polling-interval></sflow>	Configures sFlow polling interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow	<sflow><sample-rate>{uint32}</sample-rate></sflow>	Configures sFlow sampling rate.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow/polling-interval
<base_URI>/config/running/interface/{interface-type}/{interface-name}/sflow/sample-rate

Parameters

polling-interval

Specifies polling interval value. The value can range from 1 through 65535. The default value is 20.

sample-rate

Specifies sampling rate value. The value can range from 2 through 16777215. The default value is 32768.

Usage Guidelines

GET, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported. .

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/{interface-type}/{interface-name}/sflow/polling-interval

Request Body

None

Response Body

```
<polling-interval xmlns="urn:brocade.com:mgmt:brocade-sflow" xmlns:y="http://brocade.com/ns/rest"
y:self=""/rest/config/running/interface/Ethernet/%221/42%22/sflow/polling-interval">56</polling-
interval>
```

The following example uses the PATCH option to configure the sampling rate.

URI

http://host:80/rest/config/running/interface/{interface-type}/{interface-name}/sflow/sampling-rate

Request Body

None

Response Body

```
<sample-rate>30</sample-rate>
```

interface/{interface-type}/{interface-name}/sflow

The following example uses the DELETE option to remove polling interval.

URI

http://host:80/rest/config/running/interface/{interface-type}/{interface-name}/sflow/polling-interval

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/spanning-tree

Configures spanning tree.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree	Configures spanning tree at the interface level.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast	Enable an interface to move directly to forwarding on link up.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/guard	Change an interface's spanning tree guard mode. Supported in Ethernet and Port channel interfaces.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree	<instance><id>(unit32)</id><priority>(unit32)</priority></instance>	Configures STP instance.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/autoedge	<autoedge>(empty)</autoedge>	Configures STP auto-edge.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/cost	<cost>(unit32)</cost>	Configures the cost.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/edgeport/edgeportbasic	<edgeportbasic>(empty)</edgeportbasic>	Configures STP edge port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/edgeport/bpdu-guard	<bpdu-guard>(empty)</bpdu-guard>	Configures BPDU guard.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/edgeport/bpdu-filter	<bpdu-filter>(empty)</bpdu-filter>	Configures BPDU filter.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/instance/{instance-id}/cost	<cost>(unit32)</cost>	Configures cost.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/instance/{instance-id}/restricted-role	<restricted-role>(empty)</restricted-role>	Configures restricted role for a particular instance.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/instance/{instance-id}/restricted-tcn	<restricted-tcn>(empty)</restricted-tcn>	Configures restricted TCN for a particular instance.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/restricted-role	<restricted-role>(empty)</restricted-role>	Configures restricted role.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/restricted-tcn	<restricted-tcn>(empty)</restricted-tcn>	Configures restricted TCN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast	<portfastbasic></portfastbasic>	Enables an interface to move directly to forwarding on link up.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast	<bpdu-guard>(empty)</bpdu-guard>	Guards the port against reception of BPDUs.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast	<bpdu-filter>(empty)</bpdu-filter>	Sets the portfast bpdu-filter for the port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree	<link-type>(enumeration)</link-type>	Point-to-point - enable rapid transition.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree	<priority>(unit32)</priority>	Sets the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree	<shutdown>(empty)</shutdown>	Turns off STP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/guard	<root>(empty)</root>	Disables reception of superior BPDUs.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/cost	<cost>(unit32)</cost>	Configures the cost.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast/portfastbasic	<portfastbasic>(string)</portfastbasic>	Enables an interface to move directly to forwarding on link up.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast/bpdu-guard	<bpdu-guard>(empty)</bpdu-guard>	Guards the port against reception of BPDUs.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast/bpdu-filter	<bpdu-filter>(empty)</bpdu-filter>	Sets the portfast bpdu-filter for the port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/link-type	<link-type>(enumeration)</link-type>	Point-to-point - enable rapid transition.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/priority	<priority>(unit32)</priority>	Sets the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/shutdown	<shutdown>(empty)</shutdown>	Turns off STP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/guard/root	<root>(empty)</root>	Disables reception of superior BPDUs.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/cost	<cost>(unit32)</cost>	Configures the cost.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast/portfastbasic	<portfastbasic>(string)</portfastbasic>	Enables an interface to move directly to forwarding on link up.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast/bpdu-guard	<bpdu-guard>(empty)</bpdu-guard>	Guards the port against reception of BPDUs.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast/bpdu-filter	<bpdu-filter>(empty)</bpdu-filter>	Sets the portfast bpdu-filter for the port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/link-type	<link-type>(enumeration)</link-type>	Point-to-point - enable rapid transition.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/priority	<priority>(unit32)</priority>	Sets the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/shutdown	<shutdown>(empty)</shutdown>	Turns off STP.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/guard/root	<root>(empty)</root>	Disables reception of superior BPDUs.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/portfast
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/guard
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/autoedge
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/cost
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/edgeport/edgeportbasic
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/edgeport/bpdu-guard
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/edgeport/bpdu-filter
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/instance/{instance-id}/cost
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/instance/{instance-id}/restricted-role
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/instance/{instance-id}/restricted-tcn
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/restricted-role
<base_URI>/config/running/interface/{interface-type}/{interface-name}/spanning-tree/restricted-tcn

Parameters

priority

Specifies the priority.

cost

Path cost (lower path cost indicates greater likelihood of becoming root port). The range is from 1 to 200000000.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/ethernet/%222/13%22/spanning-tree

Request Body

None

Response Body

```
<spanning-tree xmlns="urn:brocade.com:mgmt:brocade-xstp" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/interface/Ethernet/%222/13%22/spanning-tree">
  <cost>100</cost>
  <portfast y:self="/rest/config/running/interface/Ethernet/%222/13%22/spanning-tree/portfast">
    <portfastbasic>true</portfastbasic>
    <bpdu-guard>true</bpdu-guard>
    <bpdu-filter>true</bpdu-filter>
  </portfast>
  <guard y:self="/rest/config/running/interface/Ethernet/%222/13%22/spanning-tree/guard">
  </guard>
  <priority>32</priority>
</spanning-tree>
```

The following example uses the POST option to configure STP BPDU guard.

URI

http://host:80/rest/config/running/interface/ethernet/%222/13%22/spanning-tree/portfast

Request Body

```
<bpdu-guard> (empty) </bpdu-guard>
```

Response Body

None

The following example uses the DELETE option to remove STP.

URI

http://host:80/rest/config/running/interface/ethernet/%222/13%22/spanning-tree

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/storm-control/ingress

Configures, modifies, or retrieves the BUM Storm Control that limits ingress traffic on a specified interface.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control	Configures BUM Storm Control that limits ingress traffic on a specified interface.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress	Retrieves BUM Storm Control configuration that limits ingress traffic on a specified interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/{protocol-type}	Retrieves BUM Storm Control configuration of specific protocol type (broadcast, multicast, unknown-unicast).
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/{protocol-type}/{rate-bps rate-percent}	Retrieves the amount of traffic allowed, either in bits per second or a percentage of the capacity of the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/{protocol-type}/bum-action	Sets the bum action as monitor (Monitor port for violations) or shutdown (Shut down port in case of violation), or None. If a rate limit is reached within a ten-second sampling period, a log message is sent. A log message is generated upon the first occurrence of such an event. Subsequent log messages are generated only at the end of one complete sample interval in which no rate limits are reached.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control	<ingress><protocol-type>broadcast</protocol-type><rate-format>limit-bps</rate-format><rate-bps>(rate-limit-bps-type)</rate-bps></ingress>	Configures BUM Storm Control that limits ingress traffic on a specified interface.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/broadcast
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/multicast
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/unknown-unicast
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/multicast/rate-percent
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/broadcast/rate-percent
<base_URI>/config/running/interface/{interface-type}/{interface-name}/storm-control/ingress/broadcast/bum-action

Usage Guidelines

GET, POST, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/storm-control/ingress/broadcast

Request Body

None

Response Body

```
<ingress xmlns="urn:brocade.com:mgmt:brocade-qos-mls" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/interface/Ethernet/%221/1%22/storm-control/ingress/broadcast">
  <protocol-type>broadcast</protocol-type>
  <rate-format>limit-percent</rate-format>
  <rate-percent>1</rate-percent>
  <bum-action>monitor</bum-action>
</ingress>
```

The following is an example of the POST operation to configure BUM Storm Control that limits ingress traffic on a specified interface.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/storm-control

Request Body

```
<ingress><protocol-type>broadcast</protocol-type><rate-format>limit-bps</rate-format><rate-bps>(rate-
limit-bps-type)</rate-bps></ingress>
```

Response Body

None

The following is an example of the DELETE operation to remove BUM Storm Control.

URI

http://host:80/rest/config/running/interface/Ethernet/%221/1%22/storm-control/ingress/broadcast

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/switchport

Configures, modifies, or retrieves the switching characteristics of the Layer 2 interface

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport	Sets the switching characteristics of the Layer 2 interface. Supported interface types is Port-Channel.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport	Sets the switching characteristics of the Layer 2 interface. Supported interface types is Port-Channel.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/mode	Sets mode of the Layer 2 interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/mode/vlan-mode	Sets mode of the Layer 2 interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/access	Sets the interface as access.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/access/vlan	Set the default VLAN for the interface
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk	Sets the Layer 2 interface as trunk.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed	Set the VLANs that will Xmit/Rx through Layer2
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan	Allow Dot1Q VLANs to Xmit/Rx through Layer2
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/all	Allow all Dot1Q VLANs to Xmit/Rx through Layer2.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/add	Allow the specified VLANs to Xmit/Rx
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/except	Allow all VLANs except the specified VLAN
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/remove	Remove a VLAN range that Xmit/Rx
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/tag	Enable tagging
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/tag/native-vlan	Set the native VLAN characteristics
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/native-vlan	Set the native VLAN characteristics

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport	<switchport>true</switchport>	Make an interface a switchport.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/mode/vlan-mode	<vlan-mode>trunk</vlan-mode>	Make interface mode to trunk.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/access/vlan	<vlan>101</vlan>	Set the default VLAN for the interface
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/all	<all>{enumeration}</all>	Make interface part of all VLAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/none	<none>{enumeration}</none>	Remove interface membership from all VLAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/add	<add>(unit32)</add>	Allow the specified VLANs to Xmit/Rx
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/except	<except>(unit32)</except>	Allow all VLANs except the specified VLAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan/remove	<remove>(unit32)</remove>	Remove a VLAN range that Xmit/Rx
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/tag	<tag />	Enable tagging
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/tag/native-vlan	<native-vlan>{enumeration}</native-vlan>	Set the native VLAN characteristics
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/native-vlan	<native-vlan>(unit32)</native-vlan>	Set the native VLAN characteristics

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport	<switchport>>true</switchport>	Make an interface a switchport.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/mode	<mode><vlan-mode>trunk</vlan-mode></mode>	Make interface mode to trunk.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/access	<access><vlan>101</vlan></access>	Set the default VLAN for the interface
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan	<vlan><all>true</all></vlan>	Make interface part of all VLAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan	<vlan><none>true</none></vlan>	Remove interface membership from all VLAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan	<vlan><add>601-700</add></vlan>	Allow the specified VLANs to Xmit/Rx
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan	<vlan><except>651-700</except></vlan>	Allow all VLANs except the specified VLAN.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/allowed/vlan	<vlan><remove>601-650</remove></vlan>	Remove a VLAN range that Xmit/Rx
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/tag	<tag><native-vlan>true</native-vlan></tag>	Enable tagging
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk	<trunk><native-vlan>601</native-vlan></trunk>	Set the native VLAN characteristics

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/mode/vlan-mode
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/access/vlan
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/trunk/native-vlan

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Port-channel/{101}/switchport

Request Body

None

Response Body

```
<switchport xmlns="urn:brocade.com:mgmt:brocade-interface" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/interface/Port-channel/101/switchport">true</switchport>
<switchport xmlns="urn:brocade.com:mgmt:brocade-interface" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/interface/Port-channel/101/switchport">
  <mode y:self="/rest/config/running/interface/Port-channel/101/switchport/mode">
    <vlan-mode>access</vlan-mode>
  </mode>
  <access y:self="/rest/config/running/interface/Port-channel/101/switchport/access">
    <vlan>1</vlan>
  </access>
  <trunk y:self="/rest/config/running/interface/Port-channel/101/switchport/trunk">
    <allowed y:self="/rest/config/running/interface/Port-channel/101/switchport/trunk/allowed">
      <vlan y:self="/rest/config/running/interface/Port-channel/101/switchport/trunk/allowed/vlan">
        </vlan>
      </allowed>
    </trunk>
  </switchport>
```

interface/{interface-type}/{interface-name}/switchport

The following is an example of the POST operation to configure the switchport.

URI

http://host:80/rest/config/running/interface/Port-channel/{101}/switchport

Request Body

```
<switchport>true</switchport>
```

Response Body

None

The following is an example of the DELETE operation to remove the switchport configuration.

URI

http://host:80/rest/config/running/interface/Port-channel/{101}/switchport

Request Body

None

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/switchport/port-security

Configures, retrieves, and modifies port security on an interface.

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security	Configures port security on an interface.

GET URIs	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security	Retrieves port security details.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/max	Retrieves the maximum number of secure MAC addresses allowed on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/port-security-mac-address	Retrieves the details of the MAC addresses used for port security on an interface port.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/port-security-mac-address/{mac-address},{vlan}	Retrieves the details of the MAC address-based VLAN classifier rule used to map to a specific VLAN.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky	Retrieves the details of sticky MAC learning.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky/sticky-flag	Retrieves details of sticky MAC learning on the port that converts the dynamically learned MAC addresses to sticky secure MAC addresses.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky/port-security-mac-address	Retrieves details of sticky MAC addresses.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky/port-security-mac-address/{mac-address},{vlan}	Retrieves details of sticky MAC learning on the port that converts the dynamically learned MAC addresses to sticky secure MAC addresses.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/shutdown-time	Retrieves the details of configured auto recovery time for port security violation.

POST URIs	Payload	Description
<base_URI>/config/running/interface/Ethernet/{name}/switchport/port-security	<port-security-mac-address><mac-address>{mac-address-type}</mac-address><vlan>{vlan-type}</vlan></port-security-mac-address>	Configures PMS Static Secure Address
<base_URI>/config/running/interface/Ethernet/{name}/switchport	<port-security />	Configures port security on an interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky	<port-security-mac-address><mac-address>{mac-address-type}</mac-address><vlan>{vlan-type}</vlan></port-security-mac-address>	Configures sticky MAC learning on the port to convert the dynamically learned MAC addresses to sticky secure MAC addresses.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security	<port-security><max>{uint32}</max></port-security>	Configures port security on an interface with the maximum limit for the number of secure MAC addresses allowed on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security /sticky	<sticky><sticky-flag>enumeration</sticky-flag></sticky>	Configures sticky MAC learning.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security	<port-security><shutdown-time>{uint32}</shutdown-time></port-security>	Configures auto recovery time for port security violation.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/max	<max>{uint32}</max>	Configures port security on an interface with the maximum limit for the number of secure MAC addresses allowed on the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky/sticky-flag	<sticky-flag>enumeration</sticky-flag>	Configures sticky MAC learning.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/shutdown-time	<shutdown-time>{uint32}</shutdown-time>	Configures auto recovery time for port security violation.

DELETE URIs
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/max
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky/sticky-flag
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/shutdown-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/port-security-mac-address/{mac-address}/{vlan}
<base_URI>/config/running/interface/{interface-type}/{interface-name}/switchport/port-security/sticky/port-security-mac-address/{mac-address}/{vlan}

Parameters

profile

Specifies the LLDP profile.

Usage Guidelines

GET, PATCH, PUT, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security

Request Body

None

Response Body

```
<port-security-mac-address y:self="/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security/port-security-mac-address/3200.1110.0811%2C250">
  <mac-address>3200.1110.0811</mac-address>
  <vlan>250</vlan>
</port-security-mac-address>
<port-security-mac-address y:self="/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security/port-security-mac-address/3200.1110.0812%2C250">
  <mac-address>3200.1110.0812</mac-address>
  <vlan>250</vlan>
</port-security-mac-address>
<sticky y:self="/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security/sticky">
  <sticky-flag>true</sticky-flag>
  <port-security-mac-address y:self="/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security/sticky/port-security-mac-address/3200.1110.0001%2C250">
    <mac-address>3200.1110.0001</mac-address>
    <vlan>250</vlan>
  </port-security-mac-address>
  <port-security-mac-address y:self="/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security/sticky/port-security-mac-address/3200.1110.0002%2C250">
    <mac-address>3200.1110.0002</mac-address>
    <vlan>250</vlan>
  </port-security-mac-address>
</sticky>
<shutdown-time>5</shutdown-time>
</port-security>
```

The following example uses the POST option to configure port security.

URI

http://host:80/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security

Request Body

```
<port-security-mac-address><mac-address>3200.1110.0812</mac-address><vlan>250</vlan></port-security-mac-address>
```

Response Body

None

interface/{interface-type}/{interface-name}/switchport/port-security

The following example uses the PATCH option to remove port security.

URI

URI - http://host:80/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security

Request Body

Request Body - <port-security><max>5</max></port-security>

Response Body

None

The following example uses the DELETE option to remove port security.

URI

http://host:80/rest/config/running/interface/Ethernet/%223/2%22/switchport/port-security

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/vrrp-extended-group

Configures, retrieves, and modifies VRRPE group

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group	Configures VRRPE group. Supported interface types are: Physical, loopback, or VE interfaces.

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/virtual-mac	Virtual MAC
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track/network/{network-address}/priority	Network to be tracked.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track/interface/port-channel/10/priority	Virtual MAC
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/advertisement-interval	Network to be tracked.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/enable	Trackport Priority
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/hold-time	Hold-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/preempt-mode	Set preempt mode for the session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/arp/unicast-request/receive	Receive unicast ARP requests
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/priority	Configures the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/description	Characters describing the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/advertise-backup	Enable periodic backup advertisement messages
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/backup-advertisement-interval	Enable interval for backup advertisement messages
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/short-path-forwarding/basic	Enable backup router to send traffic.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/short-path-forwarding/revert-priority	Sets the revert priority while enabling backup router to send traffic.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/advertisement-interval-scale	Ipv4 session advertisement interval scale factor

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}	<vrrp-extended-group><vrid>20</vrid></vrrp-extended-group>	Configures VRRPE.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<virtual-ip><virtual-ipaddr>20.1.1.101</virtual-ipaddr></virtual-ip>	Virtual IPv4 address in dotted decimal
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track	<network><network-address>[inet:ipv4-prefix]</network-address></network>	Network to be tracked.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track	<interface><interface-type>port-channel/<interface-type><interface-name>10</interface-name></interface>	Interface to be tracked

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/{20}/virtual-mac	<virtual-mac>02e0.5200.00xx</virtual-mac>	Virtual MAC
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track/network/10.1.1.100/priority	<priority>101</priority>	Track priority for the network to be tracked.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track/interface/{ethernet}/priority	<priority>101</priority>	Track priority for the interface to be tracked.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/advertisement-interval	<advertisement-interval>20</advertisement-interval>	Advertisement interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/enable	<enable>{enumeration}</enable>	Enable Session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/{10}/hold-time	<hold-time>20</hold-time>	Hold-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/preempt-mode	<preempt-mode>{enumeration}</preempt-mode>	Set preempt mode for the session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/arp/unicast-request/receive	<receive>{enumeration}</receive>	Receive unicast ARP requests
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/priority	<priority>110</priority>	Configures the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/description	<description>{vrrpedescription}</description>	Characters describing the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/advertise-backup	<advertise-backup>{enumeration}</advertise-backup>	Enable periodic backup advertisement messages
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/short-path-forwarding/basic	<basic>{enumeration}</basic>	Enable backup router to send traffic.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/short-path-forwarding/revert-priority	<revert-priority>10</revert-priority>	Sets the revert priority while enabling backup router to send traffic.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/advertisement-interval-scale	<advertisement-interval-scale>5</advertisement-interval-scale>	Ipv4 session advertisement interval scale factor

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<vrrp-extended-group><virtual-mac>02e0.5200.00xx</virtual-mac></vrrp-extended-group>	Virtual MAC
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track/network/{network-address}	<network><priority>{uint8}</priority></network>	Track priority for the network to be tracked.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/track/interface/port-channel/10	<interface><priority>90</priority></interface>	Track priority for the interface to be tracked.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<vrrp-extended-group><preempt-mode>{enumeration}</preempt-mode></vrrp-extended-group>	Set preempt mode for the session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/arp/unicast-request	<unicast-request><receive>{enumeration}</receive></unicast-request>	Receive unicast ARP requests
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<vrrp-extended-group><priority>130</priority></vrrp-extended-group>	Configures the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<vrrp-extended-group><description>ve100des</description></vrrp-extended-group>	Characters describing the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<vrrp-extended-group><advertise-backup>{enumeration}</advertise-backup></vrrp-extended-group>	Enable periodic backup advertisement messages
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<vrrp-extended-group><backup-advertisement-interval>100</backup-advertisement-interval></vrrp-extended-group>	Enable interval for backup advertisement messages
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/short-path-forwarding	<short-path-forwarding><basic>{enumeration}</basic></short-path-forwarding>	Enable backup router to send traffic.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20/short-path-forwarding	<short-path-forwarding><revert-priority>50</revert-priority></short-path-forwarding>	Sets the revert priority while enabling backup router to send traffic.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-extended-group/20	<vrrp-extended-group><advertisement-interval-scale>10</advertisement-interval-scale></vrrp-extended-group>	Ipv4 session advertisement interval scale factor

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ve/2/vrrp-extended-group/2

Request Body

None

Response Body

```
<vrrp-extended-group y:self="/rest/config/running/interface/Ve/2/vrrp-extended-group/2">
  <vrid>2</vrid>
  <virtual-ip y:self="/rest/config/running/interface/Ve/2/vrrp-extended-group/2/virtual-ip/20.1.1.101">
    <virtual-ipaddr>20.1.1.101</virtual-ipaddr>
  </virtual-ip>
  <track y:self="/rest/config/running/interface/Ve/2/vrrp-extended-group/2/track">
    </track>
  <enable>true</enable>
  <preempt-mode>true</preempt-mode>
  <arp y:self="/rest/config/running/interface/Ve/2/vrrp-extended-group/2/arp">
    <unicast-request y:self="/rest/config/running/interface/Ve/2/vrrp-extended-group/2/arp/unicast-request">
      </unicast-request>
    </arp>
    <priority>101</priority>
  <short-path-forwarding y:self="/rest/config/running/interface/Ve/2/vrrp-extended-group/2/short-path-forwarding">
    </short-path-forwarding>
  </vrrp-extended-group>
```

The following is an example of the POST operation to configure VRRPE group.

URI

http://host:80/rest/config/running/interface/Ve/100

Request Body

```
<vrrp-extended-group><vrid>20</vrid></vrrp-extended-group>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/{interface-type}/{interface-name}/vrrp-group

Configures, retrieves, and modifies a virtual router group (VRRP)

Resource URIs

URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group	Configures a virtual router group (VRRP). Supported interface types are: Physical, loopback, or VE interfaces.

GET URI	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/track/interface/{interface-type}/{interface-name}/priority	Trackport Priority
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/advertisement-interval	Advertisement interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/enable	Enable Session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/hold-time	Hold-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/preempt-mode	Set preempt mode for the session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/arp/unicast-request/receive	Receive unicast ARP requests
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/priority	Configures the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/description	Characters describing the interface.

POST URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}	<vrrp-group><vrid>10</vrid><version>2</version></vrrp-group>	Configures a virtual router group (VRRP).
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<virtual-ip><virtual-ipaddr>{ip-address}</virtual-ipaddr></virtual-ip>	Virtual IPv4 address in dotted decimal
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/track	<interface><interface-type>ethernet</interface-type><interface-name>{interface-name}</interface-name></interface>	Interface to be tracked

PUT URIs	Payload	Description
<base_URI>/config/running/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/track/interface/{interface-type}/{interface-name}/priority	<priority>10</priority>	Trackport Priority
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/advertisement-interval	<advertisement-interval>20</advertisement-interval>	Advertisement interval.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/enable	<enable>true</enable>	Enable Session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/hold-time	<hold-time>20</hold-time>	Hold-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/preempt-mode	<preempt-mode>true</preempt-mode>	Set preempt mode for the session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/arp/unicast-request/receive	<receive>true</receive>	Receive unicast ARP requests
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/priority	<priority>103</priority>	Configures the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/description	<description>vrrpedescription</description>	Characters describing the interface.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/use-v2-checksum	<use-v2-checksum>true</use-v2-checksum>	Enables v2 checksum computation method for VRRPv3 session

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<vrrp-group><use-v2-checksum>true</use-v2-checksum></vrrp-group>	Enables v2 checksum computation method for VRRPv3 session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/10/2/track/interface/ethernet/%221\42%22	<interface><priority>10</priority></interface>	Trackport Priority
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<vrrp-group><advertisement-interval>100</advertisement-interval></vrrp-group>	Advertisement interval.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<vrrp-group><enable>true</enable></vrrp-group>	Enable Session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<vrrp-group><hold-time>100</hold-time></vrrp-group>	Hold-time
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<vrrp-group><preempt-mode>true</preempt-mode></vrrp-group>	Set preempt mode for the session
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}/arp/unicast-request	<unicast-request><receive>true</receive></unicast-request>	Receive unicast ARP requests
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<vrrp-group><priority>200</priority></vrrp-group>	Configures the priority.
<base_URI>/config/running/interface/{interface-type}/{interface-name}/vrrp-group/{vrid}/{version}	<vrrp-group><description>vrrpeDes</description></vrrp-group>	Characters describing the interface.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Ve/2/vrrp-group/1%2C2

Request Body

None

Response Body

```
<vrrp-group xmlns="urn:brocade.com:mgmt:brocade-vrrp" y:self="/rest/config/running/interface/Ve/2/vrrp-group/1%2C2">
  <vrid>1</vrid>
  <version>2</version>
  <virtual-ip y:self="/rest/config/running/interface/Ve/2/vrrp-group/1%2C2/virtual-ip/20.1.1.100">
    <virtual-ipaddr>20.1.1.100</virtual-ipaddr>
  </virtual-ip>
  <track y:self="/rest/config/running/interface/Ve/2/vrrp-group/1%2C2/track">
  </track>
  <enable>true</enable>
  <preempt-mode>true</preempt-mode>
  <arp y:self="/rest/config/running/interface/Ve/2/vrrp-group/1%2C2/arp">
    <unicast-request y:self="/rest/config/running/interface/Ve/2/vrrp-group/1%2C2/arp/unicast-request">
      </unicast-request>
    </arp>
    <priority>101</priority>
  </vrrp-group>
```

The following is an example of the POST operation to configure virtual IPv4 address in dotted decimal.

URI

http://host:80/rest/config/running/interface/Ethernet/%221%22/vrrp-group/10/2

Request Body

```
<virtual-ip><virtual-ipaddr>10.1.1.100</virtual-ipaddr></virtual-ip>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/Port-channel

Configures Port-channel interface.

Resource URIs

URI	Description
<base_URI>/config/running/interface/Port-channel/{name}	Configures the list of port-channels.

GET URIs	Description
<base_URI>/config/running/interface/Port-channel/{name}	Retrieves the port channel.
<base_URI>/config/running/interface/Port-channel/{name}/speed	Retrieves speed of the port.
<base_URI>/config/running/interface/Port-channel/{name}/description	Retrieves interface specific description.
<base_URI>/config/running/interface/Port-channel/{name}/shutdown	Shutdown the selected interface
<base_URI>/config/running/interface/Port-channel/{name}/minimum-links	Minimum number of links.
<base_URI>/config/running/interface/Port-channel/{name}/mtu	Sets mtu value to interface.
<base_URI>/config/running/interface/Port-channel/{name}/load-balance-type	Hash based load balancing

PUT URIs	Payload	Description
<base_URI>/config/running/interface/Port-channel/{name}/speed	<speed>1000</speed>	Configures speed of the port.
<base_URI>/config/running/interface/Port-channel/{name}/description	<description>R1toR2</description>	Configures interface specific description.
<base_URI>/config/running/interface/Port-channel/{name}/shutdown	<shutdown>>true</shutdown>	Configures the selected interface
<base_URI>/config/running/interface/Port-channel/{name}/minimum-links	<minimum-links>2</minimum-links>	Configures minimum number of links.
<base_URI>/config/running/interface/Port-channel/{name}/mtu	<mtu>5000</mtu>	Sets mtu value to interface.

PATCH URIs	Payload	Description
<base_URI>/config/running/interface/Port-channel/{name}	<Port-channel><speed>1000</speed></Port-channel>	Configures speed of the port.
<base_URI>/config/running/interface/Port-channel/{name}/description	<description>R1toR2</description>	Configures interface specific description.
<base_URI>/config/running/interface/Port-channel/{name}/shutdown	<shutdown>true</shutdown>	Configures the selected interface
<base_URI>/config/running/interface/Port-channel/{name}/minimum-links	<minimum-links>2</minimum-links>	Configures minimum number of links.
<base_URI>/config/running/interface/Port-channel/{name}/mtu	<mtu>5000</mtu>	Sets mtu value to interface.

DELETE URIs
<base_URI>/config/running/interface/Port-channel/{name}
<base_URI>/config/running/interface/Port-channel/{name}/speed
<base_URI>/config/running/interface/Port-channel/{name}/description
<base_URI>/config/running/interface/Port-channel/{name}/shutdown
<base_URI>/config/running/interface/Port-channel/{name}/minimum-links
<base_URI>/config/running/interface/Port-channel/{name}/mtu

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/interface/Port-channel/101/speed

Request Body

None

Response Body

```
<speed xmlns="urn:brocade.com:mgmt:brocade-interface" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/interface/Port-channel/101/speed">1000</speed>
```

The following is an example of the PUT operation to configure interface specific description.

URI

http://host:80/rest/config/running/interface/Port-channel/101/description

Request Body

```
<description>R1toR2</description>
```

Response Body

None

The following is an example of the DELETE operation to remove a port channel.

URI

http://host:80/rest/config/running/interface/Port-channel/101

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

interface/tunnel

Configures a tunnel.

Resource URIs

URI	Description
<base_URI>/config/running/interface/tunnel	Configures a tunnel.

GET URIs	Description
<base_URI>/config/running/interface/tunnel/{identifier}/mode	Retrieves tunnel encapsulation method.
<base_URI>/config/running/interface/tunnel/{identifier}/source	Retrieves source of tunnel.
<base_URI>/config/running/interface/tunnel/{identifier}/destination	Retrieves destination IP address.
<base_URI>/config/running/interface/tunnel/{identifier}/ttl	Retrieves tunnel TTL.
<base_URI>/config/running/interface/tunnel/{identifier}/dscp	Retrieves tunnel DSCP.
<base_URI>/config/running/interface/tunnel/{identifier}/name	Retrieves tunnel name.
<base_URI>/config/running/interface/tunnel/{identifier}/dscp-ttl-mode	Retrieves tunnel DSCP TTL mode.
<base_URI>/config/running/interface/tunnel/{identifier}/statistics	Retrieves tunnel statistics.
<base_URI>/config/running/interface/tunnel/{identifier}/keepalive	Retrieves tunnel keepalive.
<base_URI>/config/running/interface/tunnel/{identifier}/keepalive/retry-count	Retrieves retry count.

POST URIs	Payload	Description
<base_URI>/config/running/interface	<tunnel><identifier>{uint32}</identifier></tunnel>	Creates a tunnel.

PUT URIs	Payload	Description
<base_URI>/config/running/interface/tunnel/{identifier}/mode/gre/ip	<ip>{enumeration}</ip>	Enables generic routing encapsulation (GRE) over a tunnel interface and specifies that the tunneling protocol is IPv4.
<base_URI>/config/running/tunnel/{identifier}/source/source-address	<source-address>{inet:ipv4-address}</source-address>	Configures the source IP address.
<base_URI>/config/running/interface/tunnel/{identifier}/destination	<destination>{inet:ipv4-address}</destination>	Configures the destination IP address.
<base_URI>/config/running/interface/tunnel/{identifier}/router-interface/ve	<ve>{uint32}</ve>	Configures the router interface for a tunnel.
<base_URI>/config/running/interface/tunnel/{identifier}/ttl	<ttl>{uint32}</ttl>	Configures Tunnel TTL.
<base_URI>/config/running/interface/tunnel/{identifier}/dscp	<dscp>{uint32}</dscp>	Configures Tunnel DSCP.
<base_URI>/config/running/interface/tunnel/{identifier}/statistics	<statistics>{enumeration}</statistics>	Configures Tunnel statistics.
<base_URI>/config/running/interface/tunnel/{identifier}/keepalive	<keepalive><time-interval>{uint32}</time-interval><retry-count>{uint32}</retry-count></keepalive>	Configures Tunnel keepalive.

DELETE URIs

```
<base_URI>/config/running/interface/tunnel/{identifier}
```

Parameters

identifier

Specifies the tunnel identifier. Valid values range from 1 through 1024.

ve num

Specifies a virtual router interface number. Valid values range from 1 through 4095.

tll

Specifies the tunnel TTL range. Valid values range from 1 through 255.

dscp

Specifies the tunnel DSCP range. Valid values range from 0 through 63.

time-interval

Specifies the tunnel keepalive time interval. Valid values range from 1 through 32767.

retry-count

Specifies the tunnel keepalive retry count. Valid values range from 1 through 255.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

```
http://host:80/rest/config/running/interface/tunnel/1/mode
```

Request Body

None

Response Body

```
<mode xmlns="urn:brocade.com:mgmt:brocade-gre-vxlan" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/interface/tunnel/1/mode">
  <gre y:self="/rest/config/running/interface/tunnel/1/mode/gre">
    <ip>true</ip>
  </gre>
</mode>
```

The following is an example of the PUT operation to configure GRE over a tunnel interface and specifies that the tunneling protocol is IPv4..

URI

http://host:80/rest/config/running/interface/tunnel/1/mode/gre/ip

Request Body

```
<ip>true</ip>
```

Response Body

None

The following is an example of the DELETE operation to remove a tunnel.

URI

http://host:80/rest/config/running/interface/tunnel/1

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/access-list

Configures, modifies, or retrieves the Internet Protocol (IP) access list configuration.

Resource URIs

URI	Description
<base_URI>/config/running/ip	The Internet Protocol configuration.
<base_URI>/config/running/ip/access-list/standard	Standard IP ACL configuration.
<base_URI>/config/running/ip/access-list/standard/{ACL-name}/seq	Sequence number configuration.
<base_URI>/config/running/ip/access-list/extended	Extended IP ACL configuration.
<base_URI>/config/running/ip/access-list/extended/{ACL-name}/seq	Sequence number configuration.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

History

Release version	History
16r.1.00	This API call was introduced.

ip/as-path

Configures, retrieves, and modifies BGP AS Path filter.

Resource URIs

URI	Description
<base_URI>/config/running/ip/as-path	Configures BGP AS Path filter.

GET URIs	Description
<base_URI>/config/running/ip/as-path	Retrieves BGP AS Path filter.
<base_URI>/config/running/ip/as-path/access-list/{name}/{seq-keyword}/{instance}	Retrieves BGP AS Path Access List.

POST URIs	Payload	Description
<base_URI>/config/running/ip/as-path	<access-list><name>{ip-as-path-name-t}</name><seq-keyword>{enumeration}</seq-keyword><instance>{instance-id-t}</instance><ip-action>{action-t}</ip-action><ip-reg-expr>{ip-as-path-reg-expr-t}</ip-reg-expr></access-list>	Configures BGP AS Path Access List.

PATCH URIs	Payload	Description
<base_URI>/config/running/ip/as-path/access-list/{name}/{seq-keyword}/{instance}	<access-list><ip-action>{action-t}</ip-action><ip-reg-expr>{ip-as-path-reg-expr-t}</ip-reg-expr></access-list>	Configures BGP AS Path Access List.

DELETE URIs
<base_URI>/config/running/ip/as-path/access-list/{name}/{seq-keyword}/{instance}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ip/as-path

Request Body

None

Response Body

```
<as-path xmlns="urn:brocade.com:mgmt:brocade-ip-policy" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/ip/as-path">
</as-path>
```

The following example uses the POST option to configure BGP AS Path filter. .

URI

http://host:80/rest/config/running/config/running/ip/as-path

Request Body

```
<access-list><name>{ip-as-path-name-t}</name><seq-keyword>{key}</seq-keyword><instance>{instance-id-t}</
instance><ip-action>{action-t}</ip-action><ip-reg-expr>{ip-as-path-reg-expr-t}</ip-reg-expr></access-
list>
```

Response Body

None

The following example uses the DELETE option to remove BGP AS Path filter.

URI

http://host:80/rest/config/running/ip/as-path/access-list/aclt/key/1}

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/community-list

Configures, retrieves, and modifies IP community list.

Resource URIs

URI	Description
<base_URI>/config/running/ip/community-list	Configures IP community list.

GET URIs	Description
<base_URI>/config/running/ip/community-list	Retrieves IP community list.
<base_URI>/config/running/ip/community-list/standard/{name}/{seq-keyword}/{instance}	Retrieves standard community list.
<base_URI>/config/running/ip/community-list/extended/{name}/{seq-keyword}/{instance}	Retrieves extended community list.

POST URIs	Payload	Description
<base_URI>/config/running/ip/community-list	<standard><name>{ip-community-list-name-t}</name><seq-keyword>{enumeration}</seq-keyword><instance>{instance-id-t}</instance><ip-action>{action-t}</ip-action><std-community-expr>{ip-std-community-expr-t}</std-community-expr></standard>	Configures standard community list.
<base_URI>/config/running/ip/community-list	<extended><name>{ip-community-list-name-t}</name><seq-keyword>{enumeration}</seq-keyword><instance>{instance-id-t}</instance><ip-action>{action-t}</ip-action><ip-community-reg-expr>{ip-community-reg-expr-t}</ip-community-reg-expr></extended>	Configures extended community list.

PATCH URIs	Payload	Description
<base_URI>/config/running/ip/community-list/standard/{name}/{seq-keyword}/{instance}	<standard><ip-action>{action-t}</ip-action><std-community-expr>{ip-std-community-expr-t}</std-community-expr></standard>	Configures standard community list.
<base_URI>/config/running/ip/community-list/extended/{name}/{seq-keyword}/{instance}	<extended><ip-action>{action-t}</ip-action><ip-community-reg-expr>{ip-community-reg-expr-t}</ip-community-reg-expr></extended>	Configures extended community list.

DELETE URIs
<base_URI>/config/running/ip/community-list/standard/{name}/{seq-keyword}/{instance}
<base_URI>/config/running/ip/community-list/extended/{name}/{seq-keyword}/{instance}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ip/community-list

Request Body

None

Response Body

```
<community-list xmlns="urn:brocade.com:mgmt:brocade-ip-policy" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ip/community-list">
</community-list>
```

The following example uses the POST option to configure IP community list.

URI

http://host:80/rest/config/running/config/running/ip/community-list

Request Body

```
<standard><name>{ip-community-list-name-t}</name><seq-keyword>{key}</seq-keyword><instance>{instance-id-
t}</instance><ip-action>{action-t}</ip-action><std-community-expr>{ip-std-community-expr-t}</std-
community-expr></standard>
```

Response Body

None

The following example uses the DELETE option to remove IP community list.

URI

http://host:80/rest/config/running/ip/community-list/standard/{ip-community-list-name-t}/{key}/{instance-id-t}

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/extcommunity-list

Configures, retrieves, and modifies standard BGP extended community filter.

Resource URIs

URI	Description
<base_URI>/config/running/ip/extcommunity-list	Configures a standard BGP extended community filter.

GET URIs	Description
<base_URI>/config/running/ip/extcommunity-list	Sets a standard BGP extended community filter.
<base_URI>/config/running/ip/extcommunity-list/standard/{extcommunity-list-name}	Sets a standard BGP extended community list filter.

PATCH URIs	Payload	Description
<base_URI>/config/running/ip/extcommunity-list/standard/{extcommunity-list-name}	<standard><ext-community-action>{action-t}</ext-community-action><ext-community-expr>{extcommunity-list-expr-t}</ext-community-expr></standard>	Configures a standard BGP extended community list filter.

POST URIs	Payload	Description
<base_URI>/config/running/ip/extcommunity-list	<standard><extcommunity-list-name>[ip-extcommunity-list-name-t]</extcommunity-list-name><ext-community-action>{action-t}</ext-community-action><ext-community-expr>{extcommunity-list-expr-t}</ext-community-expr></standard>	Sets a standard BGP extended community list filter.

DELETE URIs
<base_URI>/config/running/ip/extcommunity-list/standard/{extcommunity-list-name}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ip/extcommunity-list

Request Body

None

Response Body

```
<extcommunity-list xmlns="urn:brocade.com:mgmt:brocade-ip-policy" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ip/extcommunity-list">
</extcommunity-list>
```

The following example uses the POST option to configure standard BGP extended community filter.

URI

http://host:80/rest/config/running/config/running/ip/extcommunity-list

Request Body

```
<standard><extcommunity-list-name>{ip-extcommunity-list-name-t}</extcommunity-list-name><ext-community-
action>{action-t}</ext-community-action><ext-community-expr>{extcommunity-list-expr-t}</ext-community-
expr></standard>
```

Response Body

None

The following example uses the DELETE option to remove standard BGP extended community filter.

URI

http://host:80/rest/config/running/ip/extcommunity-list/standard/ip-extcommunity-list-name-t

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/dhcp/relay

Configures, modifies, or retrieves IP Dynamic Host Configuration Protocol (DHCP).

Resource URIs

URI	Description
<base_URI>/config/running/ip/dhcp/relay	Configures DHCP relay.

GET URIs	Description
<base_URI>/config/running/ip	Configure Internet Protocol (IP).
<base_URI>/config/running/ip/dhcp	Configures Dynamic Host Configuration Protocol (DHCP).
<base_URI>/config/running/ip/dhcp/relay/information/option	Configures DHCP relay.

POST URIs	Payload	Description
<base_URI>/config/running/ip/dhcp/relay/information	<option> </option>	Configures DHCP relay option.

PATCH URIs	Payload	Description
<base_URI>/config/running/ip/dhcp/relay/information	<option> </option>	Configures DHCP relay option.

PUT URIs	Payload	Description
<base_URI>/config/running/ip/dhcp/relay/information	<option> </option>	Configures DHCP relay option.

DELETE URIs
<base_URI>/config/running/ip/dhcp/relay/information

Parameters

option

Enables DHCP relay information.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ip

Request Body

None

Response Body

```
<dhcp xmlns="urn:brocade.com:mgmt:brocade-dhcp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/ip/dhcp">
  <relay y:self="/rest/config/running/ip/dhcp/relay">
    <information y:self="/rest/config/running/ip/dhcp/relay/information">
      <option>true</option>
    </information>
  </relay>
</dhcp>
```

The following example uses the POST option to configure IP DHCP relay option.

URI

http://host:80/rest/config/running/ip/dhcp/relay/information

Request Body

```
<option>true</option>
```

Response Body

None

The following example uses the DELETE option to remove IP DHCP relay option.

URI

http://host:80/rest/config/running/ip/dhcp/relay/information

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/igmp

Configures the Internet Group Management Protocol (IGMP).

Resource URIs

URI	Description
<base_URI>/config/running/ip/igmp	Configures IGMP.

GET URIs	Description
<base_URI>/config/running/ip/igmp	Retrieves IGMP.
<base_URI>/ip/igmp/router-alert-check-disable	Disables the snooping check for the presence of the router alert option.
<base_URI>/ip/igmp/ssm-map	Retrieves the IGMPv2 Source Specific Multicast mapping.
<base_URI>/ip/igmp/ssm-map/enable	Enables the IGMPv2 Source Specific Multicast mapping.
<base_URI>/ip/igmp/snooping	Retrieves IGMP snooping.
<base_URI>/ip/igmp/snooping/enable	Enables IGMP snooping.

POST URIs	Payload	Description
<base_URI>/config/running/ip/igmp/ssm-map	<igmps-prefix-list><igmps-prefix-list-name>{string}</igmps-prefix-list-name><igmps-prefix-src-addr>{source-address}</igmps-prefix-src-addr></igmps-prefix-list>	Configures prefix list for an SSM map.

PUT URIs	Payload	Description
<base_URI>/config/running/ip/igmp/router-alert-check-disable	<router-alert-check-disable>{enumeration}</router-alert-check-disable>	Disables the snooping check for the presence of the router alert option.
<base_URI>/config/running/ip/igmp/ssm-map/enable	<enable>{enumeration}</enable>	Enables the IGMPv2 Source Specific Multicast mapping.
<base_URI>/config/running/ip/igmp/snooping/enable	<enable>{enumeration}</enable>	Enables IGMP snooping.

PATCH URIs	Payload	Description
<base_URI>/config/running/ip/igmp	<igmp><router-alert-check-disable>{enumeration}</router-alert-check-disable></igmp>	Disables the snooping check for the presence of the router alert option.
<base_URI>/config/running/ip/igmp/ssm-map	<ssm-map><enable>{enumeration}</enable></ssm-map>	Enables the IGMPv2 Source Specific Multicast mapping.
<base_URI>/config/running/ip/igmp/snooping	<snooping><enable>{enumeration}</enable></snooping>	Enables IGMP snooping.

DELETE URIs
<base_URI>/config/running/ip/igmp/router-alert-check-disable
<base_URI>/config/running/ip/igmp/ssm-map/enable
<base_URI>/config/running/ip/igmp/ssm-map/igmps-prefix-list/{igmps-prefix-list-name}/{igmps-prefix-src-addr}
<base_URI>/config/running/ip/igmp/snooping/enable

Parameters

igmps-prefix-list-name

Specifies the prefix list name.

igmps-prefix-src-addr

Specifies the source IP Address.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ip/igmp

Request Body

None

Response Body

```
<igmp xmlns="urn:brocade.com:mgmt:brocade-igmp-snooping" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/ip/igmp">
  <ssm-map y:self="/rest/config/running/ip/igmp/ssm-map">
    <enable>true</enable>
    <igmps-prefix-list y:self="/rest/config/running/ip/igmp/ssm-map/igmps-prefix-list/ssm-map-1%2C203.0.0.10">
      <igmps-prefix-list-name>ssm-map-1</igmps-prefix-list-name>
      <igmps-prefix-src-addr>203.0.0.10</igmps-prefix-src-addr>
    </igmps-prefix-list>
  </ssm-map>
</igmp>
```

The following example uses the POST option to configure prefix list for an SSM map.

URI

http://host:80/rest/config/running/ip/igmp/ssm-map

Request Body

```
<igmps-prefix-list><igmps-prefix-list-name>ssm-map-230-to-239-1</igmps-prefix-list-name><igmps-prefix-src-addr> 203.0.0.10</igmps-prefix-src-addr></igmps-prefix-list>
```

Response Body

None

The following example uses the DELETE option to remove IGMPv2 Source Specific Multicast mapping.

URI

http://host:80/rest/config/running/ip/igmp/ssm-map/enable

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/pim

Configures, modifies, or retrieves IP Protocol Independent Multicast (PIM).

Resource URIs

URI	Description
<base_URI>/config/running/ip/pim	Configures IP PIM.

GET URIs	Description
<base_URI>/config/running/ip/pim	Configures IP PIM.
<base_URI>/config/running/ip/pim/snooping	Configures IP PIM snooping.
<base_URI>/config/running/ip/pim/snooping/enable	Enables IP PIM snooping.

PUT URIs	Payload	Description
<base_URI>/config/running/ip/pim/snooping/enable	<enable>{enumeration}</enable>	Enables IP PIM snooping.

PATCH URIs	Payload	Description
<base_URI>/config/running/ip/pim/snooping	<enable>{enumeration}</enable>	Enables IP PIM snooping.

DELETE URIs
<base_URI>/config/running/ip/pim/snooping/enable

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ip/pim

Request Body

None

Response Body

The following is an example of the PUT operation to enable IP PIM snooping.

URI

http://host:80/rest/config/running/ip/pim/snooping

Request Body

```
<enable>true</enable>
```

Response Body

None

The following is an example of the DELETE operation to remove IP PIM snooping.

URI

http://host:80/rest/config/running/ip/pim/snooping/enable

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/prefix-list

Configures, retrieves, and modifies IP address prefix list.

Resource URIs

URI	Description
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}	Configures IP address prefix list.

GET URIs	Description
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}	Retrieves IP address prefix list.
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}/ge	Retrieves minimum IP prefix length.
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}/le	Retrieves maximum IP prefix length.

PATCH URIs	Payload	Description
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}	<prefix-list><action-ipp>{action-t}</action-ipp><prefix-ipp>{inet:ipv4-prefix}</prefix-ipp></prefix-list>	Configures IP address prefix list.
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}	<prefix-list><ge>{prefix-len-t}</ge></prefix-list>	Configures minimum IP prefix length.
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}	<prefix-list><le>{prefix-len-t}</le></prefix-list>	Configures maximum IP prefix length.

PUT URIs	Payload	Description
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}/ge	<ge>{prefix-len-t}</ge>	Configures minimum IP prefix length.
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}/le	<le>{prefix-len-t}</le>	Configures maximum IP prefix length.

DELETE URIs
<base_URI>/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ip/prefix-list/{PRLIST1}/{seq}/{5}

Request Body

None

Response Body

```
<prefix-list xmlns="urn:brocade.com:mgmt:brocade-ip-policy" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ip/prefix-list/PRLIST1%2Cseq%2C5">
  <name>PRLIST1</name>
  <seq-keyword>seq</seq-keyword>
  <instance>5</instance>
  <action-ipp>permit</action-ipp>
  <prefix-ipp>17.0.0.0/16</prefix-ipp>
  <ge>18</ge>
  <le>24</le>
</prefix-list>
```

The following example uses the PUT option to configure IP address prefix list.

URI

http://host:80/rest/config/running/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}/ge

Request Body

```
<ge>{prefix-len-t}</ge>
```

Response Body

None

The following example uses the DELETE option to remove IP address prefix list.

URI

http://host:80/rest/config/running/ip/prefix-list/{name}/{seq-keyword}/{instance}

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ip/route

Configures, retrieves, and modifies static route to the IP routing table.

Resource URIs

URI	Description
<base_URI>/config/running/ip/route	Configures static route to the IP routing table.

GET URIs	Description
<base_URI>/config/running/ip/route	Retrieves static route to the IP routing table.

POST URIs	Payload	Description
<base_URI>/config/running/ip/route	<static-route-nh><static-route-dest>[ip-address]/<static-route-dest><static-route-next-hop>[ip-address]/<static-route-next-hop></static-route-nh></static-route-nh>	Specifies the destination IPv4 address and mask in the format A.B.C.D/L (where "L" is the prefix length of the mask)
<base_URI>/config/running/ip/route	<static-route-nh><static-route-dest>[ip-address]/<static-route-dest><static-route-next-hop>[ip-address]/<static-route-next-hop></static-route-nh>	Specifies the destination IPv4 address and mask in the format A.B.C.D/L (where "L" is the prefix length of the mask)
<base_URI>/config/running/ip/route	<static-route-oif><static-route-dest>[ip-address]/<static-route-dest><static-route-oif-type>ethernet</static-route-oif-type><InterfaceNumber>3/58</InterfaceNumber></static-route-oif>	Specifies the destination IPv4 address for egress interface.

PUT URIs	Payload	Description
<base_URI>/config/running/ip/route/static-route-nh/%2213.1.1.0/24%22%2C11.1.1.2/metric	<metric>{unit32}</metric>	Configures the cost metric of the route. Valid values range from 1 through 16.
<base_URI>/config/running/ip/route/static-route-nh/%2213.1.1.0/24%22%2C11.1.1.2/distance	<distance>{unit32}</distance>	Configures the administrative distance of the route. When comparing otherwise equal routes to a destination, a Brocade device prefers lower administrative distances over higher ones.
<base_URI>/config/running/ip/route/static-route-nh/%2213.1.1.0/24%22%2C11.1.1.2/tag	<tag>{unit32}</tag>	Configures the tag value of the route to use for route filtering with a route map.
<base_URI>/config/running/ip/route/static-route-oif/%2213.1.1.0/24%22%2Cethernet%2C%223/58%22/metric	<metric>{unit32}</metric>	Configures the cost metric of the route for egress interface. Valid values range from 1 through 16.
<base_URI>/config/running/ip/route/static-route-oif/%2213.1.1.0/24%22%2Cethernet%2C%223/58%22/distance	<distance>{unit32}</distance>	Configures the administrative distance of the route for egress interface. When comparing otherwise equal routes to a destination, a Brocade device prefers lower administrative distances over higher ones.
<base_URI>/config/running/ip/route/static-route-oif/%2213.1.1.0/24%22%2Cethernet%2C%223/58%22/tag	<tag>{unit32}</tag>	Configures the tag value of the route to use for route filtering with a route map for egress interface.

DELETE URIs`<base_URI>/config/running/ip/route/static-route-nh/%2216.1.1.0/24%22%2C14.1.1.2/``<base_URI>/config/running/ip/route/static-route-oif/%2213.1.1.0/24%22%2Cethernet%2C%223/58%22`

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

`http://host:80/rest/config/running/ip/route`

Request Body

None

Response Body

```
<route xmlns="urn:brocade.com:mgmt:brocade-rtm" y:self="/rest/config/running/ip/route">
  </route>
```

The following example uses the POST option to configure static route to the IP routing table.

URI

`http://host:80/rest/config/running/config/running/ip/route`

Request Body

```
<static-route-nh><static-route-dest>13.1.1.0/24</static-route-dest><static-route-next-hop>11.1.1.2</static-route-next-hop></static-route-nh>
```

Response Body

None

The following example uses the DELETE option to remove static route to the IP routing table.

URI

http://host:80/rest/config/running/ip/route/static-route-nh/%2216.1.1.0/24%22%2C14.1.1.2

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ipv6/access-list

Configures, modifies, or retrieves the Internet Protocol version 6 (IPv6) access list configuration.

Resource URIs

URI	Description
<base_URI>/config/running/ipv6	The Internet Protocol configuration.
<base_URI>/config/running/ipv6/access-list/standard	Standard IP ACL configuration.
<base_URI>/config/running/ipv6/access-list/standard/{ACL-name}/seq	Sequence number configuration.
<base_URI>/config/running/ipv6/access-list/extended	Extended IP ACL configuration.
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq	Sequence number configuration.

GET URIs	
<base_URI>/config/running/ipv6/access-list/standard/{ACL-name}/seq/(seq-id)/src-host-ip	Get the source host ip of specific Standard ACL rule with sequence ID.
<base_URI>/config/running/ipv6/access-list/standard/{ACL-name}/seq/(seq-id)/count	Get the information if count is configured in Standard ACL rule with sequence ID.
<base_URI>/config/running/ipv6/access-list/standard/{ACL-name}/seq/(seq-id)/log	Get the info if log is configured in Standard ACL rule with sequence ID.
<base_URI>/config/running/ipv6/access-list/standard/{ACL-name}/seq/(seq-id)/copy-sflow	Get the info if copy-sflow is configured in Standard ACL rule with sequence ID.
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/sport-number-lt-tcp	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/sport-number-gt-tcp	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/sport-numer-eq-neq-tcp	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/sport-number-lt-udp	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/sport-number-gt-udp	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/sport-number-range-higher-tcp	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/count	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/log	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/mirror	
<base_URI>/config/running/ipv6/access-list/extended/{ACL-name}/seq/(seq-id)/copy-sflow	

POST URIs	Payload	Description
<base_URI>/config/running/interface/Port-channel/(name)/ipv6	<access-group><ipv6-access-list>(req_val)</ipv6-access-list><ip-direction>(req_val)</ip-direction></access-group>	Bind an ACL to a Port-channel interface
<base_URI>/config/running/interface/Ve/(name)/ipv6	<access-group><ipv6-access-list>(req_val)</ipv6-access-list><ip-direction>(req_val)</ip-direction></access-group>	Bind an ACL to a VE interface
<base_URI>/config/running/ipv6/access-list	<standard><name>(req_val)</name></standard>	Configure a Standard IPv6 ACL
<base_URI>/config/running/ipv6/access-list	<extended><name>(req_val)</name></extended>	Configure a Extended IPv6 ACL

DELETE URIs
<base_URI>/config/running/ipv6/access-list/standard/(name)
<base_URI>/config/running/ipv6/access-list/extended/(name)
<base_URI>/config/running/ipv6/access-list/extended/(name)/seq/(seq-id)

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

History

Release version	History
16r.1.00	This API call was introduced.

ipv6/nd

Configures, modifies, or retrieves Neighbor Discovery commands at global level.

Resource URIs

URI	Description
<base_URI>/config/running/ipv6/nd	Configures Neighbor Discovery commands.

GET URIs	Description
<base_URI>/config/running/ipv6/nd/global-suppress-ra	Sets globally suppress-ra.
<base_URI>/config/running/ipv6/nd/ra-dns-server/{string}	Sets global DNS server option applied on all ND6 interfaces
<base_URI>/config/running/ipv6/nd/ra-domain-name/{string}/lifetime-multiplier	Set global domain name option that applied on all ND6 interfaces and applies Lifetime multiplier for DNS Search List option.

POST URIs	Payload	Description
<base_URI>/config/running/ipv6/nd	<global-suppress-ra>(enumeration)</global-suppress-ra>	Sets globally suppress-ra.
<base_URI>/config/running/ipv6/nd	<ra-dns-server><dns-server-prefix-global>{dns-server-prefix}</dns-server-prefix-global><lifetime-multiplier>(decimal)</lifetime-multiplier></ra-dns-server>	Set global DNS server option applied on all ND6 interfaces.
<base_URI>/config/running/ipv6/nd	<ra-domain-name><domain-name-string-global>{name}</domain-name-string-global><lifetime-multiplier>(decimal)</lifetime-multiplier></ra-domain-name>	Set global domain name option that applied on all ND6 interfaces.

PUT URIs	Payload	Description
<base_URI>/config/running/ipv6/nd/ra-dns-server/{ipv6_address_of_name_server}/lifetime-multiplier	<lifetime-multiplier>(decimal)</lifetime-multiplier>	Lifetime multiplier for the DNS Server option
<base_URI>/config/running/ipv6/nd/ra-domain-name/{name}/lifetime-multiplier	<lifetime-multiplier>(decimal)</lifetime-multiplier>	Lifetime multiplier for DNS search list option.

DELETE URIs
<base_URI>/config/running/ipv6/nd/global-suppress-ra
<base_URI>/config/running/ipv6/nd/ra-dns-server/{ipv6_address_of_name_server}/lifetime-multiplier
<base_URI>/config/running/ipv6/nd/ra-dns-server/{ipv6_address_of_name_server}
<base_URI>/config/running/ipv6/nd/ra-domain-name/{name}/lifetime-multiplier
<base_URI>/config/running/ipv6/nd/ra-domain-name/{name}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ipv6/nd/global-suppress-ra

Request Body

None

Response Body

```
<nd xmlns="urn:brocade.com:mgmt:brocade-ipv6-nd-ra" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/ipv6/nd">
  <global-suppress-ra>true</global-suppress-ra>
  <ra-dns-server y:self="/rest/config/running/ipv6/nd/ra-dns-server/2100:21:2134::566">
    <dns-server-prefix-global>2100:21:2134::566</dns-server-prefix-global>
  </ra-dns-server>
  <ra-dns-server y:self="/rest/config/running/ipv6/nd/ra-dns-server/3600:36::1">
    <dns-server-prefix-global>3600:36::1</dns-server-prefix-global>
  </ra-dns-server>
  <ra-dns-server y:self="/rest/config/running/ipv6/nd/ra-dns-server/3600:36::11">
    <dns-server-prefix-global>3600:36::11</dns-server-prefix-global>
  </ra-dns-server>
  <ra-domain-name y:self="/rest/config/running/ipv6/nd/ra-domain-name/test.in">
    <domain-name-string-global>test.in</domain-name-string-global>
  </ra-domain-name>
  <ra-domain-name y:self="/rest/config/running/ipv6/nd/ra-domain-name/test.sk">
    <domain-name-string-global>test.sk</domain-name-string-global>
  </ra-domain-name>
  <ra-domain-name y:self="/rest/config/running/ipv6/nd/ra-domain-name/test.uk">
    <domain-name-string-global>test.uk</domain-name-string-global>
  </ra-domain-name>
  <ra-domain-name y:self="/rest/config/running/ipv6/nd/ra-domain-name/test.us">
    <domain-name-string-global>test.us</domain-name-string-global>
  </ra-domain-name>
</nd>
```

The following is an example of the POST operation to set global DNS server option applied on all ND6 interfaces.

URI

http://host:80/rest/config/running/ipv6/nd

Request Body

```
<ra-dns-server><dns-server-prefix-global>3300:36::11</dns-server-prefix-global><lifetime-multiplier>199</lifetime-multiplier></ra-dns-server>
```

Response Body

None

The following is an example of the DELETE operation to remove lifetime multiplier for the DNS Server option.

URI

http://host:80/rest/config/running/ipv6/nd/ra-dns-server/3400:36::11/lifetime-multiplier

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ipv6/prefix-list

Configures, retrieves, and modifies IPv6 address prefix list.

Resource URIs

URI	Description
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}	Configures IPv6 address prefix list.

GET URIs	Description
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}	Retrieves IPv6 address prefix list.
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}/ge	Retrieves minimum IPv6 prefix length.
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}/le	Retrieves maximum IPv6 prefix length.

PATCH URIs	Payload	Description
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}	<prefix-list><action-ipp>{action-t}</action-ipp><ipv6-prefix-ipp>{inet:ipv6-prefix}</ipv6-prefix-ipp></prefix-list>	Configures IPv6 address prefix list.
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}	<prefix-list><ge>{ipv6-prefix-len-t}</ge></prefix-list>	Configures minimum IPv6 prefix length.
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}	<prefix-list><le>{ipv6-prefix-len-t}</le></prefix-list>	Configures maximum IPv6 prefix length.

PUT URIs	Payload	Description
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}/ge	<ge>{ipv6-prefix-len-t}</ge>	Configures minimum IPv6 prefix length.
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}/le	<le>{ipv6-prefix-len-t}</le>	Configures maximum IPv6 prefix length.

DELETE URIs
<base_URI>/config/running/ipv6/prefix-list/{name}/{seq-keyword}/{instance}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ipv6/prefix-list/{PR6LIST4}/{seq}/{5}/

Request Body

```
<prefix-list xmlns="urn:brocade.com:mgmt:brocade-ip-policy" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/ipv6/prefix-list/PR6LIST4%2Cseq%2C5">
  <name>PR6LIST4</name>
  <seq-keyword>seq</seq-keyword>
  <instance>5</instance>
  <action-ipp>permit</action-ipp>
  <ipv6-prefix-ipp>2001:5555:2222:4444::/64</ipv6-prefix-ipp>
  <ge>120</ge>
  <le>128</le>
</prefix-list>
```

Response Body

None

The following example uses the PUT option to configure IPv6 address prefix list.

URI

http://host:80/rest/config/running/config/running/ipv6/prefix-list/{PR6LIST2}/{seq}/{5}/ge

Request Body

```
<ge>{ipv6-prefix-len-t}</ge>
```

Response Body

None

The following example uses the DELETE option to remove IPv6 address prefix list.

URI

http://host:80/rest/config/running/ipv6/prefix-list/PR6LIST4%2Cseq%2C5

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ipv6/router/ospf

Configures, retrieves, and modifies Open Shortest Path First (OSPF) version 3.

Resource URIs

URI	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}	Configures Open Shortest Path First (OSPF) version 3.

GET URIs	Description
<base_URI>/config/running/ipv6/router/ospf	Retrieves Open Shortest Path First (OSPF) version 3 details.
<base_URI>/config/running/ipv6/router/ospf/{vrf}	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}	Displays OSPF router area id.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/normal	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/nssa-area-metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/default-information-originate	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/default-information-originate/metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/default-information-originate/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/no-redistribution	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/no-summary	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/translator-always	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/translator-interval	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/stub	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/stub/no-summary	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/stub/stub-area-metric	Display Stub area's advertised route metric.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/hello-interval	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/dead-interval	

GET URIs	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/hello-jitter	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/retransmit-interval	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/transmit-delay	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/range/{range-address}	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/range/{range-address}/range-effect	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/range/{range-address}/cost	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/auto-cost	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/auto-cost/reference-bandwidth	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/database-overflow-interval	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate/always	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate/metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-passive-interface	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distance/{route-type}	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/route-map	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/route-map/in	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/prefix-list	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/prefix-list/in	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/external-lsdb-limit	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart/helper	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart/helper/disable	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart/helper/strict-lsa-checking	

GET URIs	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/key-add-remove-interval	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/key-rollover-interval	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/adjacency	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/adjacency/dr-only	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/all	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/bad-packet	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/bad-packet/checksum	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/database	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/retransmit	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected/route-map	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected/metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static/route-map	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static/metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/route-map	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp/route-map	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp/metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf/route-map	

GET URIs	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf/metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf/metric-type	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/summary-address/{summary-address-value}	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers/lsa-group-pacing	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers/spf	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers/spf/spf-hold-time	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/nonstop-routing	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/maximum-paths	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/all-lsas	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/external-lsa	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/external-lsa/external-lsa-value	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/summary-lsa	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/summary-lsa/summary-lsa-value	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/include-stub	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/on-startup	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/on-startup/on-startup-time	
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/on-startup/wait-for-bgp	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/area	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/active	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/passive	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/cost	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/instance	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/mtu-ignore	

GET URIs	Description
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/network	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/priority	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/suppress-linklsa	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/authentication	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/authentication/ipsec	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/authentication/ipsec/key-add-remove-interval	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/hello-interval	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/dead-interval	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/hello-jitter	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/retransmit-interval	
<base_URI>/config/running/interface/Ethernet/{name}/ipv6/ospf/transmit-delay	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/area	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/active	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/passive	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/cost	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/instance	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/mtu-ignore	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/network	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/priority	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/suppress-linklsa	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/authentication	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/authentication/ipsec	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/authentication/ipsec/key-add-remove-interval	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/hello-interval	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/dead-interval	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/hello-jitter	
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/retransmit-interval	

GET URIs	Description
<base_URI>/config/running/interface/Ve/{name}/ipv6/ospf/transmit-delay	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/area	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/active	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/passive	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/cost	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/instance	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/mtu-ignore	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/network	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/priority	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/suppress-linklsa	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/authentication	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/authentication/ipsec	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/authentication/ipsec/key-add-remove-interval	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/hello-interval	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/dead-interval	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/hello-jitter	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/retransmit-interval	
<base_URI>/config/running/interface/Loopback/{id}/ipv6/ospf/transmit-delay	

POST URIs	Payload	Description
<base_URI>/config/running/ipv6/router	<ospf><vrf>{common-def:vrf-name}</vrf></ospf>	Configures OSPF instance for the VRF.
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<area><area-id>{ospf:ospf-area-id}</area-id></area>	Sets the OSPF router area id
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}	<nssa />	Specifies an nssa area.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa	<default-information-originate />	Controls distribution of default information
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}	<virtual-link><virtual-link-neighbor>{inet:ipv4-address}</virtual-link-neighbor></virtual-link>	Define a virtual link and its parameters.

POST URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}	<range><range-address>{common-def:ipv6-address-prefix}</range-address></range>	Defines or undefines a type-3 address range (ABR only).
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<default-information-originate />	Controls distribution of default information.
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<distance><route-type>{ospf:route-type-enum}</route-type><distance-value>{uint32}</distance-value></distance>	Defines an administrative distance
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log	<adjacency />	Logging adjacency changes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log	<bad-packet />	Logging Bad packets
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute	<connected />	Connected routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute	<static />	Static routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute	<isis />	ISIS routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute	<bgp />	BGP routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute	<ospf />	OSPF routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<summary-address><summary-address-value>{common-def:ipv6-address-prefix}</summary-address-value></summary-address>	Configure IP address summaries
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric	<router-lsa />	The maximum metric advertisement in Router LSAs
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa	<external-lsa />	Replace Metric in External LSA with max metric value
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa	<summary-lsa />	Replace Metric in Summary LSA with max metric value
<base_URI>/config/running	<spi><ah>{algorithm-type-ah}</ah><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running	<spi><no-encrypt>{enumeration}</no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key and configure ipsec authentication for the interface.
<base_URI>/config/running	<spi><key>{ipsec-authentication-hexkey-string}</key><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index with Key used for ah.
<base_URI>/config/running	<spi><esp>{algorithm-type-esp}</esp><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running	<spi><esp-no-encrypt>{enumeration}</esp-no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running	<spi><esp-key>{ipsec-authentication-hexkey-string}</esp-key><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index with Hexadecimal key string for ESP

POST URIs	Payload	Description
<base_URI>/config/running	<spi><esp-auth>{algorithm-type-ah}</esp-auth><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running	<spi><no-encrypt>{enumeration}</no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running	<spi><key>{ipsec-authentication-hexkey-string}</key><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index with Hexadecimal key string for authentication algorithm
<base_URI>/config/running	<spi><ah>{algorithm-type-ah}</ah><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running	<spi><no-encrypt>{enumeration}</no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running	<spi><key>{ipsec-authentication-hexkey-string}</key><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index with Key used for ah.
<base_URI>/config/running	<spi><esp>{algorithm-type-esp}</esp><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running	<spi><esp-no-encrypt>{enumeration}</esp-no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key.
<base_URI>/config/running	<spi><esp-key>{ipsec-authentication-hexkey-string}</esp-key><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index with Hexadecimal key string for ESP
<base_URI>/config/running	<spi><esp-auth>{algorithm-type-ah}</esp-auth><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running	<spi><no-encrypt>{enumeration}</no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running	<spi><key>{ipsec-authentication-hexkey-string}</key><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index with Hexadecimal key string for authentication algorithm
<base_URI>/config/running	<spi><ah>{algorithm-type-ah}</ah><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running	<spi><no-encrypt>{enumeration}</no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running	<spi><key>{ipsec-authentication-hexkey-string}</key><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index with Key used for ah.
<base_URI>/config/running	<spi><esp>{algorithm-type-esp}</esp><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running	<spi><esp-no-encrypt>{enumeration}</esp-no-encrypt><ipsec><disable>{enumeration}</disable></ipsec></spi>	Security Parameter Index without encrypting the key.

POST URIs	Payload	Description
<base_URI>/config/running	<spi><esp-key>[ipsec-authentication-hexkey-string]</esp-key><ipsec><disable>[enumeration]</disable></ipsec></spi>	Security Parameter Index with Hexadecimal key string for ESP
<base_URI>/config/running	<spi><esp-auth>[algorithm-type-ah]</esp-auth><ipsec><disable>[enumeration]</disable></ipsec></spi>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running	<spi><no-encrypt>[enumeration]</no-encrypt><ipsec><disable>[enumeration]</disable></ipsec></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running	<spi><key>[ipsec-authentication-hexkey-string]</key><ipsec><disable>[enumeration]</disable></ipsec></spi>	Security Parameter Index with Hexadecimal key string for authentication algorithm

PUT URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/normal	<normal>[enumeration]</normal>	Sets the OSPF router area id
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/nssa-area-metric	<nssa-area-metric>[uint32]</nssa-area-metric>	Specifies an nssa area.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/default-information-originate/metric	<metric>[uint32]</metric>	Controls distribution of default information
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/default-information-originate/metric-type	<metric-type>[ospf:metric-type]</metric-type>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/no-redistribution	<no-redistribution>[enumeration]</no-redistribution>	Do not send redistributed LSA into nssa area
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/no-summary	<no-summary>[enumeration]</no-summary>	Do not send summary LSA into nssa area
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/translator-always	<translator-always>[enumeration]</translator-always>	Set nssa translator role
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/translator-interval	<translator-interval>[common-def:time-interval-sec]</translator-interval>	Nssa translator stability interval
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/stub/no-summary	<no-summary>[enumeration]</no-summary>	Do not send summary LSA into stub area
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/stub/stub-area-metric	<stub-area-metric>[uint32]</stub-area-metric>	Stub area's advertised route metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><ah>[algorithm-type-ah]</ah></spi>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><no-encrypt>[enumeration]</no-encrypt></spi>	Security Parameter Index without encrypting the key.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><key>[ipsec-authentication-hexkey-string]</key></spi>	Security Parameter Index with Key used for ah.

PUT URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><esp>{algorithm-type-esp}</esp></spi>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><esp-no-encrypt>{enumeration}</esp-no-encrypt></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><esp-key>{ipsec-authentication-hexkey-string}</esp-key></spi>	Security Parameter Index with Hexadecimal key string for ESP
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><esp-auth>{algorithm-type-ah}</esp-auth></spi>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><no-encrypt>{enumeration}</no-encrypt></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<spi><key>{ipsec-authentication-hexkey-string}</key></spi>	Security Parameter Index with Hexadecimal key string for authentication algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/hello-interval	<hello-interval>{common-def:time-interval-sec}</hello-interval>	Configures the time between hello packets that the router sends on an interface.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/dead-interval	<dead-interval>{common-def:time-interval-sec}</dead-interval>	Configures the time a neighbor router waits for a hello packet from the current router before declaring the router down.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/hello-jitter	<hello-jitter>{uint32}</hello-jitter>	Sets the allowed jitter between hello packets.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/retransmit-interval	<retransmit-interval>{common-def:time-interval-sec}</retransmit-interval>	Time between Link State Advertisement (LSA) retransmissions for adjacencies belonging to the interface.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/transmit-delay	<transmit-delay>{common-def:time-interval-sec}</transmit-delay>	Estimated time required to send an LSA on the interface.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><ah>{algorithm-type-ah}</ah></spi>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><no-encrypt>{enumeration}</no-encrypt></spi>	Security Parameter Index without encrypting the key.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><key>{ipsec-authentication-hexkey-string}</key></spi>	Security Parameter Index with Key used for ah.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><esp>{algorithm-type-esp}</esp></spi>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><esp-no-encrypt>{enumeration}</esp-no-encrypt></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><esp-key>{ipsec-authentication-hexkey-string}</esp-key></spi>	Security Parameter Index with Hexadecimal key string for ESP

PUT URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><esp-auth>{algorithm-type-ah}</esp-auth></spi>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><no-encrypt>{enumeration}</no-encrypt></spi>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<spi><key>{ipsec-authentication-hexkey-string}</key></spi>	Security Parameter Index with Hexadecimal key string for authentication algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/range/{range-address}/range-effect	<range-effect>{enumeration}</range-effect>	Advertise this type-3 summarization
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/range/{range-address}/cost	<cost>{ospf.range-metric}</cost>	Configure area range cost
<base_URI>/config/running/ipv6/router/ospf/{vrf}/auto-cost/reference-bandwidth	<reference-bandwidth>{ospf.band-width}</reference-bandwidth>	Reference-bandwidth in Mbits per second
<base_URI>/config/running/ipv6/router/ospf/{vrf}/database-overflow-interval	<database-overflow-interval>{common-def.time-interval-sec}</database-overflow-interval>	Poll Interval in Seconds
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate/always	<always>{enumeration}</always>	Always advertise default route
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate/metric	<metric>{uint32}</metric>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate/metric-type	<metric-type>{ospf.metric-type}</metric-type>	OSPF metric type for default route
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-metric	<default-metric>{uint32}</default-metric>	Default metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-passive-interface	<default-passive-interface>{enumeration}</default-passive-interface>	Set OSPF interface passive
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/route-map	<route-map><distribute-list-route-map-name>{common-def.name-string63}</distribute-list-route-map-name><in>{enumeration}</in></route-map>	Use route-map to control routes learned by OSPFv3
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/prefix-list	<prefix-list><distribute-list-prefix-list-name>{common-def.name-string63}</distribute-list-prefix-list-name><in>{enumeration}</in></prefix-list>	Use prefix list to control routes learned by OSPFv3
<base_URI>/config/running/ipv6/router/ospf/{vrf}/external-lsdb-limit	<external-lsdb-limit>{uint32}</external-lsdb-limit>	External Link State Database Limit
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart/helper/disable	<disable>{enumeration}</disable>	Disable graceful restart helper capability
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart/helper/strict-lsa-checking	<strict-lsa-checking>{enumeration}</strict-lsa-checking>	Set strict LSA checking
<base_URI>/config/running/ipv6/router/ospf/{vrf}/key-add-remove-interval	<key-add-remove-interval>{common-def.time-interval-sec}</key-add-remove-interval>	Key add or remove interval in seconds
<base_URI>/config/running/ipv6/router/ospf/{vrf}/key-rollover-interval	<key-rollover-interval>{common-def.time-interval-sec}</key-rollover-interval>	New key rollover interval in seconds.

PUT URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/adjacency/dr-only	<dr-only>{enumeration}</dr-only>	Logging only Designated Router interfaces' adjacency changes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/all	<all>{enumeration}</all>	Logging everything
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/bad-packet/checksum	<checksum>{enumeration}</checksum>	Logging bad checksum packets
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/database	<database>{enumeration}</database>	Logging LSA activity
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/retransmit	<retransmit>{enumeration}</retransmit>	Logging retransmit activity
<base_URI>/config/running/ipv6/router/ospf/{vrf}/metric-type	<metric-type>{ospf:metric-type}</metric-type>	OSPFv3 metric type for redistributed routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected/route-map	<route-map>{common-def:name-string63}</route-map>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected/metric	<metric>{uint32}</metric>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected/metric-type	<metric-type>{ospf:metric-type}</metric-type>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static/route-map	<route-map>{common-def:name-string63}</route-map>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static/metric	<metric>{uint32}</metric>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static/metric-type	<metric-type>{ospf:metric-type}</metric-type>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/route-map	<route-map>{common-def:name-string63}</route-map>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/level-1	<level-1>{enumeration}</level-1>	Redistribution of IS-IS Level-1 routes only
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/level-2	<level-2>{enumeration}</level-2>	Redistribution of IS-IS Level-2 routes only
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/level-1-2	<level-1-2>{enumeration}</level-1-2>	Redistribution of IS-IS Level-1 and Level-2 routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/metric	<metric>{uint32}</metric>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/metric-type	<metric-type>{ospf:metric-type}</metric-type>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp/route-map	<route-map>{common-def:name-string63}</route-map>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp/metric	<metric>{uint32}</metric>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp/metric-type	<metric-type>{ospf:metric-type}</metric-type>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf/route-map	<route-map>{common-def:name-string63}</route-map>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf/metric	<metric>{uint32}</metric>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf/metric-type	<metric-type>{ospf:metric-type}</metric-type>	Type of the metric

PUT URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers/lsa-group-pacing	<lsa-group-pacing>{common-def:time-interval-sec}</lsa-group-pacing>	Interval between group of LSA being refreshed or maxaged
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers/spf	<spf><spf-delay>{common-def:time-interval-sec}</spf-delay><spf-hold-time>{common-def:time-interval-sec}</spf-hold-time></spf>	OSPFv3 SPF timers
<base_URI>/config/running/ipv6/router/ospf/{vrf}/nonstop-routing	<nonstop-routing>{enumeration}</nonstop-routing>	Enable nonstop-routing capability
<base_URI>/config/running/ipv6/router/ospf/{vrf}/maximum-paths	<maximum-paths>{uint32}</maximum-paths>	Maximum path.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/all-lsas	<all-lsas>{enumeration}</all-lsas>	Replace Metric in all External and Summary LSAs with default max metric value
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/external-lsa/external-lsa-value	<external-lsa-value>{uint32}</external-lsa-value>	Indicates the metric of all external type 5 and type 7 LSA's
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/summary-lsa/summary-lsa-value	<summary-lsa-value>{uint32}</summary-lsa-value>	Metric of all summary type 3 and type 4 LSAs
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/include-stub	<include-stub>{enumeration}</include-stub>	Configure include-stub for max-metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/on-startup/on-startup-time	<on-startup-time>{uint32}</on-startup-time>	Amount of time to advertise maximum metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/on-startup/wait-for-bgp	<wait-for-bgp>{enumeration}</wait-for-bgp>	Advertise maximum metric until BGP has converged or 600 seconds

PATCH URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}	<area><normal>{enumeration}</normal></area>	Sets the OSPF router area id
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa	<nssa><nssa-area-metric>{uint32}</nssa-area-metric></nssa>	Specifies an nssa area.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/default-information-originate	<default-information-originate><metric>{uint32}</metric></default-information-originate>	Controls distribution of default information
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa/default-information-originate	<default-information-originate><metric-type>{ospf:metric-type}</metric-type></default-information-originate>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa	<nssa><no-redistribution>{enumeration}</no-redistribution></nssa>	Do not send redistributed LSA into nssa area
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa	<nssa><no-summary>{enumeration}</no-summary></nssa>	Do not send summary LSA into nssa area
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa	<nssa><translator-always>{enumeration}</translator-always></nssa>	Set nssa translator role
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/nssa	<nssa><translator-interval>{common-def:time-interval-sec}</translator-interval></nssa>	Nssa translator stability interval
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/stub	<stub><no-summary>{enumeration}</no-summary></stub>	Do not send summary LSA into stub area
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/stub	<stub><stub-area-metric>{uint32}</stub-area-metric></stub>	Stub area's advertised route metric

PATCH URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><ah>{algorithm-type-ah}</ah></authentication>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><no-encrypt>{enumeration}</no-encrypt></authentication>	Security Parameter Index without encrypting the key.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><key>{ipsec-authentication-hexkey-string}</key></authentication>	Security Parameter Index with Key used for ah.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><esp>{algorithm-type-esp}</esp></authentication>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><esp-no-encrypt>{enumeration}</esp-no-encrypt></authentication>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><esp-key>{ipsec-authentication-hexkey-string}</esp-key></authentication>	Security Parameter Index with Hexadecimal key string for ESP
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><esp-auth>{algorithm-type-ah}</esp-auth></authentication>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><no-encrypt>{enumeration}</no-encrypt></authentication>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/authentication/virtual-link	<authentication><spi>{spi-value-type}</spi><key>{ipsec-authentication-hexkey-string}</key></authentication>	Security Parameter Index with Hexadecimal key string for authentication algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}	<virtual-link><hello-interval>{common-def:time-interval-sec}</hello-interval></virtual-link>	Configures the time between hello packets that the router sends on an interface.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}	<virtual-link><dead-interval>{common-def:time-interval-sec}</dead-interval></virtual-link>	Configures the time a neighbor router waits for a hello packet from the current router before declaring the router down.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}	<virtual-link><hello-jitter>{uint32}</hello-jitter></virtual-link>	Sets the allowed jitter between hello packets.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}	<virtual-link><retransmit-interval>{common-def:time-interval-sec}</retransmit-interval></virtual-link>	Time between Link State Advertisement (LSA) retransmissions for adjacencies belonging to the interface.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}	<virtual-link><transmit-delay>{common-def:time-interval-sec}</transmit-delay></virtual-link>	Estimated time required to send an LSA on the interface.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><ah>{algorithm-type-ah}</ah></authentication>	Security Parameter Index specifying the authentication algorithm to use.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><no-encrypt>{enumeration}</no-encrypt></authentication>	Security Parameter Index without encrypting the key.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><key>{ipsec-authentication-hexkey-string}</key></authentication>	Security Parameter Index with Key used for ah.

PATCH URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><esp>{algorithm-type-esp}</esp></authentication>	Security Parameter Index specifying Encapsulating Security Payload (ESP)
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><esp-no-encrypt>{enumeration}</esp-no-encrypt></authentication>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><esp-key>{ipsec-authentication-hexkey-string}</esp-key></authentication>	Security Parameter Index with Hexadecimal key string for ESP
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><esp-auth>{algorithm-type-ah}</esp-auth></authentication>	Security Parameter Index using Authentication Algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><no-encrypt>{enumeration}</no-encrypt></authentication>	Security Parameter Index without encrypting the key
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/virtual-link/{virtual-link-neighbor}/authentication/range	<authentication><spi>{spi-value-type}</spi><key>{ipsec-authentication-hexkey-string}</key></authentication>	Security Parameter Index with Hexadecimal key string for authentication algorithm
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/range/{range-address}	<range><range-effect>{enumeration}</range-effect></range>	Advertise this type-3 summarization
<base_URI>/config/running/ipv6/router/ospf/{vrf}/area/{area-id}/range/{range-address}	<range><cost>{ospf:range-metric}</cost></range>	Configure area range cost
<base_URI>/config/running/ipv6/router/ospf/{vrf}/auto-cost	<auto-cost><reference-bandwidth>{ospf:band-width}</reference-bandwidth></auto-cost>	Reference-bandwidth in Mb/s per second
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><database-overflow-interval>{common-def:time-interval-sec}</database-overflow-interval></ospf>	Poll Interval in Seconds
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate	<default-information-originate><always>{enumeration}</always></default-information-originate>	Always advertise default route
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate	<default-information-originate><metric>{uint32}</metric></default-information-originate>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/default-information-originate	<default-information-originate><metric-type>{ospf:metric-type}</metric-type></default-information-originate>	OSPF metric type for default route
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><default-metric>{uint32}</default-metric></ospf>	Default metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><default-passive-interface>{enumeration}</default-passive-interface></ospf>	Set OSPF interface passive
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distance/{route-type}	<distance><distance-value>{uint32}</distance-value></distance>	Distance for the given type of routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/route-map	<route-map><distribute-list-route-map-name>{common-def:name-string63}</distribute-list-route-map-name><in>{enumeration}</in></route-map>	Use route-map to control routes learned by OSPFv3
<base_URI>/config/running/ipv6/router/ospf/{vrf}/distribute-list/prefix-list	<prefix-list><distribute-list-prefix-list-name>{common-def:name-string63}</	Use prefix list to control routes learned by OSPFv3

PATCH URIs	Payload	Description
	distribute-list-prefix-list-name<in>{enumeration}</in></prefix-list>	
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><external-lsdb-limit>{uint32}</external-lsdb-limit></ospf>	External Link State Database Limit
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart/helper	<helper><disable>{enumeration}</disable></helper>	Disable graceful restart helper capability
<base_URI>/config/running/ipv6/router/ospf/{vrf}/graceful-restart/helper	<helper><strict-lsa-checking>{enumeration}</strict-lsa-checking></helper>	Set strict LSA checking
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><key-add-remove-interval>{common-def:time-interval-sec}</key-add-remove-interval></ospf>	Key add or remove interval in seconds
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><key-rollover-interval>{common-def:time-interval-sec}</key-rollover-interval></ospf>	New key rollover interval in seconds.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/adjacency	<adjacency><dr-only>{enumeration}</dr-only></adjacency>	Logging only Designated Router interfaces' adjacency changes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log	<log><all>{enumeration}</all></log>	Logging everything
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log/bad-packet	<bad-packet><checksum>{enumeration}</checksum></bad-packet>	Logging bad checksum packets
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log	<log><database>{enumeration}</database></log>	Logging LSA activity
<base_URI>/config/running/ipv6/router/ospf/{vrf}/log	<log><retransmit>{enumeration}</retransmit></log>	Logging retransmit activity
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><metric-type>{ospf:metric-type}</metric-type></ospf>	OSPFv3 metric type for redistributed routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected	<connected><route-map>{common-def:name-string63}</route-map></connected>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected	<connected><metric>{uint32}</metric></connected>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/connected	<connected><metric-type>{ospf:metric-type}</metric-type></connected>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static	<static><route-map>{common-def:name-string63}</route-map></static>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static	<static><metric>{uint32}</metric></static>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/static	<static><metric-type>{ospf:metric-type}</metric-type></static>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis	<isis><route-map>{common-def:name-string63}</route-map></isis>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/level-1	<level-1>{enumeration}</level-1>	Redistribution of IS-IS Level-1 routes only
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/level-2	<level-2>{enumeration}</level-2>	Redistribution of IS-IS Level-2 routes only
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis/level-1-2	<level-1-2>{enumeration}</level-1-2>	Redistribution of IS-IS Level-1 and Level-2 routes
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis	<isis><metric>{uint32}</metric></isis>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/isis	<isis><metric-type>{ospf:metric-type}</metric-type></isis>	Type of the metric

PATCH URIs	Payload	Description
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp	<bgp><route-map>{common-def:name-string63}</route-map></bgp>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp	<bgp><metric>{uint32}</metric></bgp>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/bgp	<bgp><metric-type>{ospf:metric-type}</metric-type></bgp>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf	<ospf><route-map>{common-def:name-string63}</route-map></ospf>	Route map reference
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf	<ospf><metric>{uint32}</metric></ospf>	OSPF metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/redistribute/ospf	<ospf><metric-type>{ospf:metric-type}</metric-type></ospf>	Type of the metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers	<timers><lsa-group-pacing>{common-def:time-interval-sec}</lsa-group-pacing></timers>	Interval between group of LSA being refreshed or maxaged
<base_URI>/config/running/ipv6/router/ospf/{vrf}/timers/spf	<spf><spf-delay>{common-def:time-interval-sec}</spf-delay><spf-hold-time>{common-def:time-interval-sec}</spf-hold-time></spf>	OSPFv3 SPF timers
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><nonstop-routing>{enumeration}</nonstop-routing></ospf>	Enable nonstop-routing capability
<base_URI>/config/running/ipv6/router/ospf/{vrf}	<ospf><maximum-paths>{uint32}</maximum-paths></ospf>	Maximum path.
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa	<router-lsa><all-lsas>{enumeration}</all-lsas></router-lsa>	Replace Metric in all External and Summary LSAs with default max metric value
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/external-lsa	<external-lsa><external-lsa-value>{uint32}</external-lsa-value></external-lsa>	Indicates the metric of all external type 5 and type 7 LSA's
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/summary-lsa	<summary-lsa><summary-lsa-value>{uint32}</summary-lsa-value></summary-lsa>	Metric of all summary type 3 and type 4 LSAs
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa	<router-lsa><include-stub>{enumeration}</include-stub></router-lsa>	Configure include-stub for max-metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/on-startup	<on-startup><on-startup-time>{uint32}</on-startup-time></on-startup>	Amount of time to advertise maximum metric
<base_URI>/config/running/ipv6/router/ospf/{vrf}/max-metric/router-lsa/on-startup	<on-startup><wait-for-bgp>{enumeration}</wait-for-bgp></on-startup>	Advertise maximum metric until BGP has converged or 600 seconds

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ipv6/router/ospf/default-vrf

Request Body

None

Response Body

```
<ospf xmlns="urn:brocade.com:mgmt:brocade-ospfv3" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/ipv6/router/ospf/default-vrf">
  <vrf>default-vrf</vrf>
  <area y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/0">
    <area-id>0</area-id>
    <normal>true</normal>
    <stub y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/0/stub">
    </stub>
    <authentication y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/0/authentication">
    </authentication>
  </area>
  <area y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/100">
    <area-id>100</area-id>
    <normal>true</normal>
    <stub y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/100/stub">
    </stub>
    <authentication y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/100/authentication">
    </authentication>
  </area>
  <area y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/200">
    <area-id>200</area-id>
    <nssa y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/200/nssa">
    </nssa>
    <stub y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/200/stub">
    </stub>
    <authentication y:self="/rest/config/running/ipv6/router/ospf/default-vrf/area/200/authentication">
    </authentication>
  </area>
  <auto-cost y:self="/rest/config/running/ipv6/router/ospf/default-vrf/auto-cost">
  </auto-cost>
  <default-information-originate y:self="/rest/config/running/ipv6/router/ospf/default-vrf/default-
information-originate">
  </default-information-originate>
  <distribute-list y:self="/rest/config/running/ipv6/router/ospf/default-vrf/distribute-list">
    <route-map y:self="/rest/config/running/ipv6/router/ospf/default-vrf/distribute-list/route-map">
    </route-map>
    <prefix-list y:self="/rest/config/running/ipv6/router/ospf/default-vrf/distribute-list/prefix-list">
    </prefix-list>
  </distribute-list>
  <external-lsdb-limit>50000</external-lsdb-limit>
  <graceful-restart y:self="/rest/config/running/ipv6/router/ospf/default-vrf/graceful-restart">
    <helper y:self="/rest/config/running/ipv6/router/ospf/default-vrf/graceful-restart/helper">
    </helper>
  </graceful-restart>
  <log y:self="/rest/config/running/ipv6/router/ospf/default-vrf/log">
  </log>
  <redistribute y:self="/rest/config/running/ipv6/router/ospf/default-vrf/redistribute">
  </redistribute>
  <timers y:self="/rest/config/running/ipv6/router/ospf/default-vrf/timers">
    <spf y:self="/rest/config/running/ipv6/router/ospf/default-vrf/timers/spf">
    </spf>
  </timers>
</ospf>
```

```

</timers>
<nonstop-routing>true</nonstop-routing>
<max-metric y:self="/rest/config/running/ipv6/router/ospf/default-vrf/max-metric">
</max-metric>
</ospf>

```

The following example uses the POST option to configure OSPF instance for the VRF.

URI

http://host:80/rest/config/running/config/running/ipv6/router

Request Body

```
<ospf><vrf>vrf1</vrf></ospf>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ldap-server

Configures, modifies, or retrieves LDAP server settings.

Resource URIs

URI	Description
<base_URI>/config/running/ldap-server	LDAP server configuration.
<base_URI>/config/running/ldap-server/host	LDAP Server for AAA. Refer to ldap-server/host for information.
<base_URI>/config/running/ldap-server/maprole	Maps a role to a group. Refer to ldap-server/maprole for information.

Parameters

host

Configures a LDAP server for AAA.

maprole

Maps a role to the group.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ldap-server

Request Body

None

Response Body

```
<ldap-server xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://
brocade.com:rest" y:baseURI="http://host:80/rest/config/running/ldap-server" y:self="/rest/config/
running/ldap-server">
  <host y:self="/rest/config/running/ldap-server/host/inetaddress"/>
  <maprole y:self="/rest/config/running/ldap-server/maprole"/>
</ldap-server>
```

History

Release version	History
16r.1.00	This API call was introduced.

ldap-server/host

Configures, modifies, or retrieves LDAP server for AAA settings.

Resource URIs

URI	Description
<base_URI>/config/running/ldap-server/host	LDAP Server for AAA.

Parameters

hostname

LDAP server host name.

port

TCP authentication port. The number of characters can range from 1 through 255.

retries

Number of retries for this server connection. The number of retries can range from 0 through 100. The default number of retries is 5.

timeout

Number of retries for this server connection. The number of retries can range from 0 through 100. The default number of retries is 5.

use-vrf

Specifies the VRF name.

basedn

Base domain name. The number of characters can range from 1 through 255.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ldap-server/host

Request Body

None

Response Body

```
<host y:self="/rest/config/running/ldap-server/host/inetaddress">
  <hostname>inetaddress</hostname>
  <port>400</port>
  <retries>6</retries>
  <timeout>10</timeout>
  <basedn>test</basedn>
  <use-vrf>mgmt-vrf</use-vrf>
</host>
<host y:self="/rest/config/running/ldap-server/host/test">
  <hostname>test</hostname>
</host>
```

The following is an example of the POST operation to add an LDAP server to the client server list.

URI

http://host:80/rest/config/running/ldap-server

Request Body

```
<host>
  <hostname>test_ACL</hostname>
</host>
```

Response Body

None

The following is an example of the DELETE operation to remove an LDAP server.

URI

http://host:80/rest/config/running/ldap-server/host/test_API

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

ldap-server/maprole

Configures, modifies, or retrieves LDAP server settings for maps.

Resource URIs

URI	Description
<base_URI>/config/running/ldap-server/maprole	Maps a role to a group.

Parameters

ad-group

AD group belongs to user on the AD Server.

role

Specifies the role name.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ldap-server/maprole

Request Body

None

Response Body

```
<maprole y:self="/rest/config/running/ldap-server/maprole">
  <group y:self="/rest/config/running/ldap-server/maprole/group/administrator">
    <ad-group>administrator</ad-group>
    <role>admin</role>
  </group>
</maprole>
```

The following is an example of the POST operation to map a role to a group.

URI

http://host:80/rest/config/running/ldap-server/maprole

Request Body

```
<group>
  <ad-group>administrator</ad-group>
  <role>admin</role>
</group>
```

Response Body

None

The following is an example of the DELETE operation to a maprole configuration.

URI

http://host:80/rest/config/running/ldap-server/maprole/group

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

linecard

Configures, modifies, or retrieves line card configurations for the specified slot.

Resource URIs

URI	Description
<base_URI>/config/running/linecard	Configure line card for the specified slot.
<base_URI>/config/running/linecard/(linecardName)	Configure line card in the specified name.

Parameters

linecardName

Configures the slot number.

linecardType

The following line card types can be set: **LC36X100G** or **LC72X10G**.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/linecard

Request Body

None

Response Body

```
<linecard xmlns="urn:brocade.com:mgmt:brocade-linecard-management" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/linecard">
  <linecards y:self="/rest/config/running/linecard/linecards/1">
    <linecardName>1</linecardName>
    <linecardType>LC36X100G</linecardType>
  </linecards>
</linecard>
```

History

Release version	History
16r.1.00	This API call was introduced.

link-fault-signaling

Configures, retrieves, and modifies Link Fault Signaling (LFS).

Resource URIs

URI	Description
<base_URI>/config/running/link-fault-signaling	Configures LFS

GET URIs	Description
<base_URI>/config/running/link-fault-signaling	Retrieves LFS
<base_URI>/config/running/link-fault-signaling/tx	Retrieves TX LFS
<base_URI>/config/running/link-fault-signaling/rx	Retrieves RX LFS

PATCH URIs	Payload	Description
<base_URI>/config/running/link-fault-signaling/rx	<rx>(enumeration)</rx>	Configures RX LFS
<base_URI>/config/running/link-fault-signaling/tx	<tx>(enumeration)</tx>	Configures TX LFS

PUT URIs	Payload	Description
<base_URI>/config/running/link-fault-signaling/tx	<tx>(enumeration)</tx>	Configures TX LFS
<base_URI>/config/running/link-fault-signaling/rx	<rx>(enumeration)</rx>	Configures RX LFS

DELETE URIs
<base_URI>/config/running/link-fault-signaling/tx
<base_URI>/config/running/link-fault-signaling/rx

Parameters

rx
Specifies RX LFS

tx
Specifies TX LFS

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/link-fault-signaling

Request Body

None

Response Body

```
<link-fault-signaling xmlns="urn:brocade.com:mgmt:brocade-lfs" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/link-fault-signaling">
  <rx>on</rx>
  <tx>on</tx>
</link-fault-signaling>
```

The following example uses the PATCH option to configure RX LFS.

URI

http://host:80/rest/config/running/link-fault-signaling/rx

Request Body

```
<rx>on</rx>
```

Response Body

None

The following example uses the DELETE option to remove TX LFS.

URI

http://host:80/rest/config/running/link-fault-signaling/tx

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

mac

Configures, modifies, or retrieves MAC access list.

Resource URIs

URI	Description
<base_URI>/config/running/mac	MAC access list.
<base_URI>/config/running/mac/access-list/standard	Standard MAC ACL.
<base_URI>/config/running/mac/access-list/standard/{ACL-name}/seq	Sequence number.
<base_URI>/config/running/mac/access-list/extended	Extended IP ACL.
<base_URI>/config/running/mac/access-list/extended/{ACL-name}/seq	Sequence number.

GET URIs	Description
<base_URI>/config/running/mac/access-list/standard/(name)/seq/(seq-id)/srchost	
<base_URI>/config/running/mac/access-list/standard/(name)/seq/(seq-id)/src-mac-addr-mask	
<base_URI>/config/running/mac/access-list/standard/(name)/seq/(seq-id)/count	
<base_URI>/config/running/mac/access-list/standard/(name)/seq/(seq-id)/log	
<base_URI>/config/running/mac/access-list/standard/(name)/seq/(seq-id)/copy-sflow	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/dst	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/dst-mac-addr-mask	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/ethertype	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/vlan	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/pcp	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/pcp-force	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/drop-precedence-force	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/count	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/log	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/mirror	
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)/copy-sflow	

POST URIs	Payload	Description
/config/running/mac/access-list	standard<name>(req_val)</name></standard>	
/config/running/mac/access-list/standard/(name)	<seq><seq-id>(req_val)</seq-id><action>(enumeration)</action><source>(enumeration)</source></seq>	
/config/running/mac/access-list	<extended><name>(req_val)</name></extended>	
/config/running/mac/access-list/extended/(name)	<seq><seq-id>(req_val)</seq-id><action>(enumeration)</action><source>(enumeration)</source><srchost>(mac-address-type)</srchost><src-mac-addr-mask>(src-dst-mac-address-mask-type)</src-mac-addr-mask><dst>(enumeration)</dst></seq>	

DELETE URIs
<base_URI>/config/running/mac/access-list/standard/(name)
<base_URI>/config/running/mac/access-list/standard/(name)/seq/(seq-id)
<base_URI>/config/running/mac/access-list/extended/(name)
<base_URI>/config/running/mac/access-list/extended/(name)/seq/(seq-id)

Parameters

name

Specifies the MAC access list name.

seq

Configure the sequence number.

seq-id

Specifies the sequence ID.

action

Specifies the action to be performed. Supported actions are **deny**, **hard-drop**, and **permit**. Configuring deny drops traffic. Configuring hard-drop force drops traffic. Configuring permit allows traffic

source

Specifies the source details.

dst

Specifies details on the destination.

dsthost

Specifies the destination host.

ethertype

Filters extended ACLs traffic based on ethertype.

vlan

Specifies the VLAN number.

mac

log Enables log.

count Displays the count of forwarding entries.

srchost Specifies the source host.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/mac

Request Body

None

Response Body

```
<mac xmlns="urn:brocade.com:mgmt:brocade-mac-access-list" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/mac">
  <access-list y:self="/rest/config/running/mac/access-list">
    <standard y:self="/rest/config/running/mac/access-list/standard/TEST_ACL">
      <name>TEST_ACL</name>
      <seq y:self="/rest/config/running/mac/access-list/standard/TEST_ACL/seq/3">
        <seq-id>3</seq-id>
        <action>hard-drop</action>
        <source>any</source>
      </seq>
      <seq y:self="/rest/config/running/mac/access-list/standard/TEST_ACL/seq/199">
        <seq-id>199</seq-id>
        <action>deny</action>
        <source>any</source>
      </seq>
    </standard>
    <standard y:self="/rest/config/running/mac/access-list/standard/acl2">
      <name>acl2</name>
    </standard>
    <standard y:self="/rest/config/running/mac/access-list/standard/stdmac">
      <name>stdmac</name>
    </standard>
    <extended y:self="/rest/config/running/mac/access-list/extended/MM">
      <name>MM</name>
    </extended>
    <extended y:self="/rest/config/running/mac/access-list/extended/acl12">
      <name>acl12</name>
      <seq y:self="/rest/config/running/mac/access-list/extended/acl12/seq/10">
        <seq-id>10</seq-id>
        <action>permit</action>
        <source>any</source>
        <dst>host</dst>
        <dsthost>0011.2222.2233</dsthost>
        <ethertype>arp</ethertype>
        <vlan>300</vlan>
        <log>true</log>
      </seq>
    </extended>
    <extended y:self="/rest/config/running/mac/access-list/extended/acl4">
      <name>acl4</name>
      <seq y:self="/rest/config/running/mac/access-list/extended/acl4/seq/10">
        <seq-id>10</seq-id>
        <action>deny</action>
        <source>any</source>
        <dst>any</dst>
        <ethertype>arp</ethertype>
        <count>true</count>
      </seq>
    </extended>
    <extended y:self="/rest/config/running/mac/access-list/extended/acl5">
      <name>acl5</name>
```

```

<seq y:self="/rest/config/running/mac/access-list/extended/acl5/seq/10">
  <seq-id>10</seq-id>
  <action>permit</action>
  <source>any</source>
  <dst>any</dst>
  <vlan>100</vlan>
  <log>>true</log>
</seq>
<seq y:self="/rest/config/running/mac/access-list/extended/acl5/seq/20">
  <seq-id>20</seq-id>
  <action>permit</action>
  <source>host</source>
  <srchost>0011.2222.3333</srchost>
  <dst>any</dst>
  <ethertype>arp</ethertype>
  <vlan>100</vlan>
  <count>true</count>
  <log>true</log>
</seq>
</extended>
<extended y:self="/rest/config/running/mac/access-list/extended/mac-acl-lldp">
  <name>mac-acl-lldp</name>
  <seq y:self="/rest/config/running/mac/access-list/extended/mac-acl-lldp/seq/10">
    <seq-id>10</seq-id>
    <action>permit</action>
    <source>any</source>
    <dst>host</dst>
    <dsthost>0180.c200.000e</dsthost>
    <count>true</count>
  </seq>
</extended>
</access-list>
</mac>

```

The following is an example of the POST operation to add a new access list name to the MAC access list.

URI

http://host:80/rest/config/running/mac/access-list

Request Body

```

<standard>
  <name>test_API</name>
</standard>

```

Response Body

None

The following is an example of the DELETE operation to remove an extended access list from the MAC access list.

URI

http://host:80/rest/config/running/mac/access-list/extended/acl2

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

monitor/session

Configures, modifies, or retrieves complete list of configured mirroring sessions.

Resource URIs

URI	Description
<base_URI>/config/running/monitor/session	Configures complete list of configured mirroring sessions.

GET URIs	Description
<base_URI>/config/running/monitor	Retrieves complete list of configured mirroring sessions.
<base_URI>/config/running/monitor/session/{session-number}	Retrieves mirroring information of particular session.
<base_URI>/config/running/monitor/session/{session-number}/description	Retrieves description of particular mirroring session.
<base_URI>/config/running/monitor/session/{session-number}/direction	Retrieves direction information of particular session.

POST URIs	Payload	Description
<base_URI>/config/running/monitor	<session><session-number>{session-type}</session-number></session>	Configures mirroring session.

PATCH URIs	Payload	Description
<base_URI>/config/running/monitor/session/{session-number}	<session><description>{string}</description></session>	Adds description information to an existing mirroring session.
<base_URI>/config/running/monitor/session/{session-number}	<session><source>source</source><src-ethernet-val>{slot/port}</src-ethernet-val><src-ethernet>ethernet</src-ethernet><destination>destination</destination><dest-ethernet>ethernet</dest-ethernet><dest-ethernet-val>{slot/port}</dest-ethernet-val><direction>{rx tx both}</direction></session>	Adds source interface, destination interface, and direction information to an existing mirroring session created using POST command.
<base_URI>/config/running/monitor/session/{session-number}	<session><source>source</source><src-ethernet-val>{slot/port}</src-ethernet-val><src-ethernet>ethernet</src-ethernet><destination>destination</destination><dest-ethernet>ethernet</dest-ethernet><dest-port-channel-val>{port-channel number}</dest-port-channel-val><direction>{rx tx both}</direction></session>	Adds source interface, destination port-channel number, and direction information to an existing mirroring session created using POST command.

PUT URIs	Payload	Description
<base_URI>/config/running/monitor/session/{session-number}/description	<description>{string}</description>	Adds description information to an existing mirroring session.

DELETE URIs
<base_URI>/config/running/monitor/session/{session-number}

Usage Guidelines

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/monitor/session/3

Request Body

None

Response Body

```
<session xmlns="urn:brocade.com:mgmt:brocade-span" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/monitor/session/3">
  <session-number>3</session-number>
  <source>source</source>
  <src-ethernet>ethernet</src-ethernet>
  <src-ethernet-val>1/3</src-ethernet-val>
  <destination>destination</destination>
  <dest-ethernet>ethernet</dest-ethernet>
  <dest-ethernet-val>1/4</dest-ethernet-val>
  <direction>tx</direction>
</session>
```

The following example uses the POST option to configure mirroring session.

URI

http://host:80/rest/config/running/monitor

Request Body

```
<session><session-number>{session-type}</session-number></session>
```

Response Body

None

The following example uses the DELETE option to remove mirror session.

URI

http://host:80/rest/config/running/monitor/session/3

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

mpls

Configures and manages the MPLS protocol.

Resource URIs

URI	Description
<base_URI>/config/running/router/mpls	MPLS Protocol

Following are the supported URIs.

NOTE

There are separate sections for other MPLS APIs which are not covered in this topic.

GET URIs	Description
<BASE_URI>/config/running/router/mpls	MPLS Protocol
<BASE_URI>/config/running/router/mpls/lsp-xc-traps/enable	Enable the LSP XC up/down logging/traps
<BASE_URI>/config/running/router/mpls/cspf-group/(cspf-group-name)/penalty	Configure cspf group penalty value

POST URIs	Payload	Description
<BASE_URI>/config/running/router	<mpls />	MPLS Protocol
<BASE_URI>/config/running/router/mpls/cspf-group/(cspf-group-name)	<from><cspf-group-ip-address>(req_val)</cspf-group-ip-address></from>	Configure cspf group from ip address
<BASE_URI>/config/running/router/mpls/cspf-group/(cspf-group-name)	<link><cspf-group-link-from>(req_val)</cspf-group-link-from><to>(req_val)</to></link>	Configure cspf group from and to ip address
<BASE_URI>/config/running/router/mpls/cspf-group/(cspf-group-name)	<subnet><cspf-group-subnet-ip>(req_val)</cspf-group-subnet-ip></subnet>	Configure cspf group subnet address
<BASE_URI>/config/running/router/mpls/cspf-group/(cspf-group-name)	<node><cspf-group-node-ip>(req_val)</cspf-group-node-ip></node>	Configure cspf group node ip address
<BASE_URI>/config/running/router/mpls	<path><path-name>(req_val)</path-name></path>	Defines a path
<BASE_URI>/config/running/router/mpls/path/(path-name)	<hop><path-hop-ip>(req_val)</path-hop-ip><path-hop-type>(strict-loose-hop)</path-hop-type></hop>	Configures path strict or loose hops
<BASE_URI>/config/running/router/mpls/path/(path-name)	<insert><path-insert-ip>(req_val)</path-insert-ip><path-insert-type>(strict-loose-hop)</path-insert-type><before>(inet:ipv4-address)</before></insert>	Insert path strict or loose hops

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/lsp-xc-traps/enable	<enable />	Enable the LSP XC up/down logging/traps
<BASE_URI>/config/running/router/mpls/cspf-group	<absolute>(uint32)</absolute>	Configure Max reservable bandwidth as absolute value
<BASE_URI>/config/running/router/mpls/cspf-group	<percentage>(uint32)</percentage>	Configure Max reservable bandwidth as percentage

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/cspf-group/(cspf-group-name)	<cspf-group><penalty>(uint32)</penalty></cspf-group>	Define a CSPF group penalty and configure cspf group penalty value
<BASE_URI>/config/running/router/mpls/path/(path-name)/hop/(path-hop-ip)	<hop><path-hop-type>(strict-loose-hop)</path-hop-type></hop>	Configure path strict or loose hops
<BASE_URI>/config/running/router/mpls/path/(path-name)/insert/(path-insert-ip)	<insert><path-insert-type>(strict-loose-hop)</path-insert-type><before>(inet:ipv4-address)</before></insert>	Insert path strict or loose hops

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/lsp-xc-traps/enable	<enable />	Enable the LSP XC up/down logging/traps
<BASE_URI>/config/running/router/mpls/cspf-group	<absolute>(uint32)</absolute>	Configure cspf-group
<BASE_URI>/config/running/router/mpls/cspf-group	<percentage>(uint32)</percentage>	Bandwidth percentage when bandwidth is decreased or increased
<BASE_URI>/config/running/router/mpls/cspf-group/(cspf-group-name)/penalty	<penalty>(uint32)</penalty>	Configure cspf group penalty value

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

History

Release version	History
16r.1.00	This API call was introduced.

ntp

Configures, modifies, or retrieves NTP commands.

Resource URIs

URI	Description
<base_URI>/config/running/ntp	NTP commands.

GET URIs	Description
<base_URI>/config/running/ntp	NTP commands.
<base_URI>/config/running/ntp/authentication-key	Authentication key. Refer to ntp/authentication-key for information.
<base_URI>/config/running/ntp/server	NTP server. Refer to ntp/server for information.

POST URIs	Payload	Description
<base_URI>/config/running/ntp	<server><ip>(ip-address)</ip><use-vrf>(vrf-name)</use-vrf></server>	
<base_URI>/config/running/ntp	<authentication-key><keyid>(unit32)</keyid><md5>{teesting}</md5></authentication-key>	
<base_URI>/config/running/ntp	<server><ip>(ip-address)</ip><use-vrf>(vrf-name)</use-vrf><key>(unit32)</key></server>	

DELETE URIs
<base_URI>/config/running/ntp
<base_URI>/config/running/ntp/server/(ip)/use-vrf
<base_URI>/config/running/ntp/server/(ip)/user-vrf/(vrf-name)/(keyid)

Parameters

authentication-key

Configures authentication key parameters.

server

Configures NTP server parameters.

ip

Configures the source ip to be used for NTP.

keyid

Specifies authentication key ID. Valid range is from 0 to 65535.

use-vrf

Specifies the VRF to be used.

key

Specifies the key.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/ntp

Request Body

None

Response Body

```
<ntp xmlns="urn:brocade.com:mgmt:brocade-ntp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/ntp">
  <server y:self="/rest/config/running/ntp/server/10.1.1.2%2Cmgmt-vrf">
    <ip>10.1.1.2</ip>
    <use-vrf>mgmt-vrf</use-vrf>
  </server>
</ntp>
```

The following example uses the POST option to configure authentication-key.

URI

http://host:80/rest/config/running/ntp

Request Body

```
<authentication-key>
  <keyid>50</keyid>
  <md5>{teesting}</md5>
</authentication-key>
```

Response Body

The following example uses the DELETE option to remove NTP configuration.

URI

http://host:80/rest/config/running/ntp

Request Body

None

Response Body

History

Release version	History
16r.1.00	This API call was introduced.

overlay

Configures VxLAN visibility.

Resource URIs

URI	Description
<base_URI>/config/running/overlay	Configures VxLAN visibility.

GET URIs	Description
<base_URI>/config/running/overlay	Retrieves VxLAN visibility configuration information.
<base_URI>/config/running/overlay/access-list/type/vxlan/	Retrieves the VXLAN tunnel endpoint (VTEP) IP address and VXLAN Network Identifier (VNI) that match.
<base_URI>/config/running/overlay-transit/	Retrieves an overlay transit.

POST URIs	Payload	Description
<base_URI>/config/running/	<overlay-transit><user-transit-name>(string)</user-transit-name></overlay-transit>	Configures overlay transit.
<base_URI>/config/running/(user-transit-name)	<overlay><access-group>(string)</access-group><in>(enumeration)</in></overlay>	Configures overlay and binding.
<base_URI>/config/running/overlay/access-list/type/vxlan	<extended><ext-user-acl-name>(string)</ext-user-acl-name></extended>	Creates extended ACL.
<base_URI>/config/running/overlay/access-list/type/vxlan/extended/(acl-name)/	<seq><ext-seq-num>(unit32)</ext-seq-num><ext-permit-deny>(enumeration)</ext-permit-deny><dst-vtep-ip-host>(ip-address)</dst-vtep-ip-host><src-vtep-ip-host>(ip-address)</src-vtep-ip-host><vni>(unit32)</vni><vni-mask>(unit32)</vni-mask><redirect>3/6</redirect><sflow>(enumeration)</sflow><native>(enumeration)</native><tag>(string)</tag><dst-ip-host>(ip-address)</dst-ip-host><src-ip-host>(ip-address)</src-ip-host><dst-port-any>(enumeration)</dst-port-any><src-port-any>(enumeration)</src-port-any></seq>	Creates extended ACL rules.
<base_URI>/config/running/overlay/access-list/type/vxlan	<standard><user-acl-name>(string)</user-acl-name></standard>	Creates standard ACL.
<base_URI>/config/running/overlay/access-list/type/vxlan/standard/(acl-name)/	<seq><seq-num>(unit32)</seq-num><permit-deny>(enumeration)</permit-deny><dst-vtep-ip-host>(ip-address)</dst-vtep-ip-host><src-vtep-ip-host>(ip-address)</src-vtep-ip-host><vni>(unit32)</vni><vni-mask>(unit32)</vni-mask></seq>	Creates standard ACL rules.

DELETE URIs
<base_URI>/config/running/overlay/access-list/type/vxlan/extended/(acl-name)/seq/(seq-id)
<base_URI>/config/running/(user-transit-name)

Parameters

acl-name

Specifies the ACL name.

seq-num

Specifies the sequence ID.

dst-vtep-ip-host

Specifies the destination host IP address.

src-vtep-ip-host

Specifies the source host IP address.

vni

Specifies VNI.

vni-mask

Specifies the VNI mask.

Usage Guidelines

GET, POST, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/overlay

Request Body

None

Response Body

```
<overlay xmlns="urn:brocade.com:mgmt:brocade-vxlan-visibility" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/overlay">
  <access-list y:self="/rest/config/running/overlay/access-list">
    <type y:self="/rest/config/running/overlay/access-list/type">
      <vxlan y:self="/rest/config/running/overlay/access-list/type/vxlan">
        <standard y:self="/rest/config/running/overlay/access-list/type/vxlan/standard/abc">
          <user-acl-name>abc</user-acl-name>
          <seq y:self="/rest/config/running/overlay/access-list/type/vxlan/standard/abc/seq/30">
            <seq-num>30</seq-num>
            <permit-deny>permit</permit-deny>
            <dst-vtep-ip-host>10.5.5.10</dst-vtep-ip-host>
            <src-vtep-ip-host>20.5.5.20</src-vtep-ip-host>
            <vni>200</vni>
            <vni-mask>fffff</vni-mask>
          </seq>
        </standard>
      </vxlan>
    </type>
  </access-list>
</overlay>
```

The following example uses the POST option to create extended ACL.

URI

http://host:80/rest/config/running/overlay/access-list/type/vxlan

Request Body

```
<extended>
  <ext-user-acl-name>acl-1</ext-user-acl-name>
</extended>
```

Response Body

None

The following example uses the DELETE option to remove extended ACL.

URI

http://host:80/rest/config/running/overlay/access-list/type/vxlan/extended/acl-1/seq/1

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

password-attributes

Configures, modifies, or retrieves user password attributes.

Resource URIs

URI	Description
<base_URI>/config/running/password-attributes	System-wide user password attributes.
<base_URI>/config/running/password-attributes/character-restriction	Restriction on various types of characters. Refer to password-attributes/character-restriction for information.

Parameters

max-lockout-duration

Specifies the maximum number of minutes after which the user account is unlocked. The value can range from 0 through 99999. The default value is 0.

admin-lockout

Enables lockout for admin role.

min-length

Specifies the minimum length of the password. The value can range from 8 through 32 characters. The default length of the password is 8 characters.

max-retry

Specifies the maximum number of login retries before which the user account is locked. The value can range from 0 to 16. The default number of login retries is 0.

character-restriction

Configures restriction on various types of characters.

Usage Guidelines

GET, PATCH, POST, PUT, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/password-attributes

Request Body

None

Response Body

```
<password-attributes xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/password-attributes">
  <max-lockout-duration>12</max-lockout-duration>
  <min-length>9</min-length>
  <max-retry>3</max-retry>
  <character-restriction y:self="/rest/config/running/password-attributes/character-restriction"/>
  <admin-lockout>true</admin-lockout>
</password-attributes>
```

The following is an example of the PUT operation to configure the password attributes.

URI

http://host:80/rest/config/running/password-attributes

Request Body

```
<password-attributes>
  <max-lockout-duration>10</max-lockout-duration>
  <min-length>11</min-length>
  <max-retry>5</max-retry>
</password-attributes>
```

Response Body

None

The following is an example of the DELETE operation to remove the maximum retry value.

URI

http://host:80/rest/config/running/password-attributes/max-retry

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

password-attributes/character-restriction

Configures, modifies, or retrieves character restriction configurations.

Resource URIs

URI	Description
<base_URI>/config/running/password-attributes/character-restriction	Restriction on various types of characters.

Parameters

lower

Specifies the minimum number of lower-case alphabets. The value can range from 0 through 32. The default value is 8 number of lower-case alphabets.

numeric

Specifies the minimum number of numeric characters. The value can range from 0 through 32. The default value is 0.

special-char

Specifies the minimum number of special characters. The value can range from 0 through 32 characters. The default value is 0 characters.

upper

Sets the number of uppercase alphabetic characters that must occur in the password.

Usage Guidelines

GET, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/password-attributes/character-restriction

Request Body

None

Response Body

```
<character-restriction y:self="/rest/config/running/password-attributes/character-restriction">
  <upper>1</upper>
  <lower>1</lower>
  <numeric>1</numeric>
  <special-char>1</special-char>
</character-restriction>
```

The following is an example of the PATCH operation to modify the character restriction parameters.

URI

http://host:80/rest/config/running/password-attributes

Request Body

```
<password-attributes>
  <character-restriction>
    <upper>2</upper>
    <lower>2</lower>
    <numeric>2</numeric>
    <special-char>1</special-char>
  </character-restriction>
</password-attributes>
```

Response Body

None

The following is an example of the DELETE operation to change to the default setting.

URI

http://host:80/rest/config/running/password-attributes

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/cfm

CFM protocol configuration.

Resource URIs

URI	Description
<base_URI>/config/running/protocol/cfm	Configures CFM protocol.

GET URIs	Description
<base_URI>/config/running/protocol/cfm	Retrieves CFM protocol configuration.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)	Retrieves maintenance domain details.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)	Retrieves maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/ccm-interval	Retrieves CCM interval details.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mip-policy	Retrieves MIP policy details.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)	Retrieves maintenance endpoint details.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)/tlv-type	Retrieves TLV details.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)/remote-mep/(remote-map)	Retrieves remote maintenance endpoint details.

POST URIs	Payload	Description
<base_URI>/config/running/protocol	<cfm />	Configures CFM protocol.
<base_URI>/config/running/protocol/cfm	<domain-name><domain-name>(string)</domain-name><level>(unit32)</level></domain-name>	Configures maintenance domain.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)	<ma-name><ma-name>(string)</ma-name><id>(unit32)</id><vlan>(unit32)</vlan><priority>(unit32)</priority></ma-name>	Configures maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)	<ma-name><ma-name>(string)</ma-name><id>{uint32}</id><bridge-domain>{uint32}</bridge-domain><priority>{uint32}</priority></ma-name>	Configures maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)	<mep><mep-id>(unit32)</mep-id><mep-down-up>(string)</mep-down-up><vlan>(unit32)</vlan><mep-intf-type>(interface-type)</mep-intf-type><mep-intf-name>(interface-name)</mep-intf-name></mep>	Configures maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)	<remote-mep><remote-mep>(unit32)</remote-mep></remote-mep>	Configures maintenance association.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)	<domain-name><level>(uint32)</level></domain-name>	Configures maintenance domain.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)	<ma-name><id>(uint32)</id><vlan>(uint32)</vlan><priority>(uint32)</priority></ma-name>	Configures maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)	<ma-name><id>(uint32)</id><bridge-domain>(uint32)</bridge-domain><priority>(uint32)</priority></ma-name>	Configures maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)	<ma-name><ccm-interval>(enumeration)</ccm-interval></ma-name>	Configures maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)	<ma-name><mip-policy>(enumeration)</mip-policy></ma-name>	Configures maintenance association.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)	<mep><mep-down-up>(enumeration)</mep-down-up><vlan>(uint32)</vlan><mep-intf-type>(interface-type)</mep-intf-type><mep-intf-name>(interface-name)</mep-intf-name></mep>	Configures maintenance policy.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)	<mep><tlv-type>(enumeration)</tlv-type></mep>	Configures TLV.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/ccm-interval	<ccm-interval>(enumeration)</ccm-interval>	Configures CCM interval.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mip-policy	<mip-policy>(enumeration)</mip-policy>	Configures MIP policy.
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)/tlv-type	<tlv-type>(enumeration)</tlv-type>	Configures TLV.

DELETE URIs
<base_URI>/config/running/protocol/cfm
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mip-policy
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)
<base_URI>/config/running/protocol/cfm/domain-name/(domain-name)/ma-name/(ma-name)/mep/(mep-id)/remote-mep/(remote-mep-id)

Parameters

domain-name

Specifies the maintenance domain name.

<i>ma-name</i>	Specifies the maintenance association name.
<i>id</i>	Specifies the MA ID used for short-MAID.
<i>level</i>	Specifies the maintenance domain level.
<i>bridge-domain</i>	Specifies the bridge domain.
<i>priority</i>	Specifies the priority for MA.
<i>mep-id</i>	Specifies maintenance endpoint ID.
<i>mep-down-up</i>	Specifies whether endpoint is up or down.
<i>remote-mep</i>	Specifies remote endpoint.
<i>ccm-interval</i>	Specifies the CCM interval. The default value is 10-seconds.
<i>mip-policy</i>	Specifies the MIP policy.
<i>tlv-type</i>	Specifies the TLV type.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/cfm

Request Body

None

Response Body

```
<cfm xmlns="urn:brocade.com:mgmt:brocade-dotlag" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/protocol/cfm">
  <domain-name y:self="/rest/config/running/protocol/cfm/domain-name/test">
    <domain-name>test</domain-name>
    <level>1</level>
    <ma-name y:self="/rest/config/running/protocol/cfm/domain-name/test/ma-name/name">
      <ma-name>name</ma-name>
      <id>1</id>
      <vlan>120</vlan>
      <priority>1</priority>
      <ccm-interval>1-second</ccm-interval>
      <mep y:self="/rest/config/running/protocol/cfm/domain-name/test/ma-name/name/mep/1">
        <mep-id>1</mep-id>
        <mep-down-up>up</mep-down-up>
        <mep-intf-type>ethernet</mep-intf-type>
        <mep-intf-name>1/15</mep-intf-name>
      </mep>
    </ma-name>
  </domain-name>
</cfm>
```

The following example uses the POST option to configure CFM domain.

URI

http://host:80/rest/config/running/protocol/cfm

Request Body

```
<domain-name>
  <domain-name>test</domain-name>
  <level>5</level>
</domain-name>
```

Response Body

None

The following example uses the DELETE option to remove CFM configuration.

URI

http://host:80/rest/config/running/protocol/cfm

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/lldp

Configures, modifies, or retrieves Link Layer Discovery Protocol (LLDP) configuration.

Resource URIs

URI	Description
<base_URI>/config/running/protocol	Protocol configuration.
<base_URI>/config/running/protocol/lldp	Link Layer Discovery Protocol (LLDP).

GET URIs	Description
<base_URI>/config/running/protocol/lldp	Protocol configuration.
<base_URI>/config/running/protocol/lldp/description	Retrieves the user description.
<base_URI>/config/running/protocol/lldp/hello	Retrieves hello interval.
<base_URI>/config/running/protocol/lldp/mode	Retrieves LLDP Transmit Only Mode information.
<base_URI>/config/running/protocol/lldp/multiplier	Retrieves multiplier details.
<base_URI>/config/running/protocol/lldp/advertise/dot1-tlv	Retrieves advertise IEEE 802.1 Organizationally Specific TLV configuration details.
<base_URI>/config/running/protocol/lldp/advertise/dot3-tlv	Retrieves advertise IEEE 802.3 Organizationally Specific TLV configuration details.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/management-address	Retrieves management address TLV details.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/port-description	Retrieves port description TLV details.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-capabilities	Retrieves system capabilities TLV details.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-description	Retrieves system description TLV details.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-name	Retrieves system name TLV details.
<base_URI>/config/running/protocol/lldp/system-name	Retrieves system name.
<base_URI>/config/running/protocol/lldp/system-description	Retrieves system description.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/description	Retrieves port profile description.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/hello	Retrieves port profile hello interval configuration details.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/mode	Retrieves port profile mode.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/multiplier	Retrieves port profile multiplier.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/dot1-tlv	Retrieves port profile advertisement TLV details.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/dot3-tlv	Retrieves port profile advertisement TLV details.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/management-address	Retrieves advertise IEEE 802.1 Organizationally Specific TLV configuration details.

GET URIs	Description
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/port-description	Retrieves advertise IEEE 802.3 Organizationally Specific TLV configuration details.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-capabilities	Retrieves system capabilities TLV details.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-description	Retrieves system description TLV details.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-name	Retrieves system name TLV details.

POST URIs	Payload	Description
<base_URI>/config/running/protocol/lldp	<profile><profile-name>(profile-name-string)</profile-name></profile>	Configures LLDP profile.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/lldp	<lldp><description>(string)</description></lldp>	Configures LLDP description.
<base_URI>/config/running/protocol/lldp	<lldp><hello>(unit32)</hello></lldp>	Configures LLDP hello interval.
<base_URI>/config/running/protocol/lldp	<lldp><mode>(string)</mode></lldp>	Configures LLDP mode.
<base_URI>/config/running/protocol/lldp	<lldp><multiplier>(unit32)</multiplier></lldp>	Configures LLDP multiplier.
<base_URI>/config/running/protocol/lldp/advertise	<advertise><dot1-tlv>(string)</dot1-tlv></advertise>	Configures LLDP advertisement.
<base_URI>/config/running/protocol/lldp/advertise	<advertise><dot3-tlv>(string)</dot3-tlv></advertise>	Configures LLDP advertisement.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv	<optional-tlv><management-address>(string)</management-address></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv	<optional-tlv><port-description>(string)</port-description></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv	<optional-tlv><system-capabilities>(string)</system-capabilities></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv	<optional-tlv><system-description>(string)</system-description></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv	<optional-tlv><system-name>(string)</system-name></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp	<lldp><system-name>(string)</system-name></lldp>	Configure LLDP system name.
<base_URI>/config/running/protocol/lldp	<lldp><system-description>(string)</system-description></lldp>	Configures LLDP system description.
<base_URI>/config/running/protocol/lldp	<lldp><disable>(string)</disable></lldp>	Disables LLDP.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)	<profile><description>(string)</description></profile>	Configures LLDP profile description.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)	<profile><hello>(unit32)</hello></profile>	Configures LLDP profile hello interval.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)	<profile><multiplier>(nit32)</multiplier></profile>	Configures LLDP profile multiplier.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise	<advertise><dot1-tlv>(string)</dot1-tlv></advertise>	Configures LLDP profile advertisement.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise	<advertise><dot3-tlv>(string)</dot3-tlv></advertise>	Configures LLDP profile advertisement.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv	<optional-tlv><management-address>(string)</management-address></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv	<optional-tlv><port-description>(string)</port-description></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv	<optional-tlv><system-capabilities>(string)</system-capabilities></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv	<optional-tlv><system-description>(string)</system-description></optional-tlv>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv	<optional-tlv><system-name>(string)</system-name></optional-tlv>	Configures LLDP optional TLV parameters.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/lldp/description	<description>(string)</description>	Configures LLDP description.
<base_URI>/config/running/protocol/lldp/hello	<hello>(unit32)</hello>	Configures LLD hello interval.
<base_URI>/config/running/protocol/lldp/mode	<mode>(unit32)</mode>	Configures LLDP mode.
<base_URI>/config/running/protocol/lldp/multiplier	<multiplier>(unit32)</multiplier>	Configures LLDP multiplier.
<base_URI>/config/running/protocol/lldp/advertise/dot1-tlv	<dot1-tlv>(string)</dot1-tlv>	Configures LLDP advertisement.
<base_URI>/config/running/protocol/lldp/advertise/dot3-tlv	<dot3-tlv>(string)</dot3-tlv>	Configures LLDP advertisement.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/management-address	<management-address>(string)</management-address>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/port-description	<port-description>(string)</port-description>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-capabilities	<system-capabilities>(string)</system-capabilities>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-description	<system-description>(string)</system-description>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-name	<system-name>(string)</system-name>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/system-name	<system-name>(string)</system-name>	Configure LLDP system name.
<base_URI>/config/running/protocol/lldp/system-description	<system-description>(string)</system-description>	Configures LLDP system description.
<base_URI>/config/running/protocol/lldp/disable	<disable>(string)</disable>	Disables LLDP.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/description	<description>(string)</description>	Configures LLDP profile description.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/hello	<hello>(unit32)</hello>	Configures LLDP profile hello interval.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/mode	<mode>(unit32)</mode>	Configures LLDP profile mode.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/multiplier	<multiplier>(unit32)</multiplier>	Configures LLDP profile multiplier.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/dot1-tlv	<dot1-tlv>(string)</dot1-tlv>	Configures LLDP profile advertisement.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/dot3-tlv	<dot3-tlv>(string)</dot3-tlv>	Configures LLDP profile advertisement.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/management-address	<management-address>(string)</management-address>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/port-description	<port-description>(string)</port-description>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-capabilities	<system-capabilities>(string)</system-capabilities>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-description	<system-description>(string)</system-description>	Configures LLDP optional TLV parameters.
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-name	<system-name>(string)</system-name>	Configures LLDP optional TLV parameters.

DELETE URIs
<base_URI>/config/running/protocol/lldp/description
<base_URI>/config/running/protocol/lldp/hello
<base_URI>/config/running/protocol/lldp/mode
<base_URI>/config/running/protocol/lldp/multiplier
<base_URI>/config/running/protocol/lldp/advertise/dot1-tlv
<base_URI>/config/running/protocol/lldp/advertise/dot3-tlv
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/management-address
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/port-description
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-capabilities
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-description
<base_URI>/config/running/protocol/lldp/advertise/optional-tlv/system-name
<base_URI>/config/running/protocol/lldp/system-name
<base_URI>/config/running/protocol/lldp/system-description
<base_URI>/config/running/protocol/lldp/disable
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/description
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/hello
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/mode
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/multiplier

DELETE URIs
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/dot1-tlv
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/dot3-tlv
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/management-address
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/port-description
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-capabilities
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-description
<base_URI>/config/running/protocol/lldp/profile/(profile-name-string)/advertise/optional-tlv/system-name

Parameters

mode

Specifies the LLDP mode. Supported modes are **rx** and **tx**. Configuring **rx** enables LLDP receive only mode. Configuring **tx** enables LLDP transmit only mode.

description

Specifies user description for LLDP.

advertise

Sets the Advertise TLV configuration.

system-name

Specifies system name.

system-description

Specifies system description.

profile-name

Specifies the profile name.

dot1-tlv

Enables IEEE 802.1 organizationally specific TLV.

dot3-tlv

Enables IEEE 802.3 organizationally specific TLV.

optional-tlv

Advertises the optional Type, Length, and Values (TLV) values.

description

Configures the user description.

profile

Configures the LLDP profile name.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/lldp

Request Body

None

Response Body

```
<lldp xmlns="urn:brocade.com:mgmt:brocade-lldp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/protocol/lldp">
  <description>rest testing</description>
  <hello>4</hello>
  <mode>tx</mode>
  <multiplier>10</multiplier>
  <advertise y:self="/rest/config/running/protocol/lldp/advertise">
    <dot1-tlv>true</dot1-tlv>
    <dot3-tlv>true</dot3-tlv>
    <optional-tlv y:self="/rest/config/running/protocol/lldp/advertise/optional-tlv">
      <management-address>true</management-address>
      <system-capabilities>true</system-capabilities>
      <system-description>true</system-description>
    </optional-tlv>
  </advertise>
  <system-description>Brocade BR-SLX9850-4 Router</system-description>
</lldp>
```

The following example uses the POST option to configure LLDP profile.

URI

http://host:80/rest/config/running/protocol/lldp

Request Body

```
<profile>
  <profile-name>profile1</profile-name>
</profile>
```

Response Body

None

The following example uses the DELETE option to remove LLDP description.

URI

http://host:80/rest/config/running/protocol/lldp/description

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/spanning-tree/mstp

Configures MSTP.

Resource URIs

URI	Description
<base_URI>/config/running/protocol/spanning-tree/mstp	Configures MSTP.

GET URIs	Description
<base_URI>/config/running/protocol/spanning-tree	Retrieves spanning tree configurations.
<base_URI>/config/running/protocol/spanning-tree/mstp	Retrieves MSTP configuration information.
<base_URI>/config/running/protocol/spanning-tree/mstp/instance/(instance-id)	Retrieves MSTP configuration information for a particular instance.

POST URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/mstp	<instance><id>(unit32)</id><vlan>(unit32)</vlan></instance>	Configures MSTP instance.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/mstp/instance/(instance-id)/priority	<priority>(unit32)</priority>	Configures MSTP priority.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/mstp/description	<description>(string)</description>	Configures MSTP description.
<base_URI>/config/running/protocol/spanning-tree/mstp/bridge-priority	<bridge-priority>(unit32)</bridge-priority>	Configures MSTP bridge priority.
<base_URI>/config/running/protocol/spanning-tree/mstp/cisco-interoperability	<cisco-interoperability>(enumeration)</cisco-interoperability>	Enable MSTP cisco interoperability.
<base_URI>/config/running/protocol/spanning-tree/mstp/error-disable-timeout/enable	<enable></enable>	Enables MSTP error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/mstp/forward-delay	<forward-delay>(unit32)</forward-delay>	Configures MSTP forward delay.
<base_URI>/config/running/protocol/spanning-tree/mstp/hello-time	<hello-time>(unit32)</hello-time>	Configures MSTP hello time.
<base_URI>/config/running/protocol/spanning-tree/mstp/max-age	<max-age>(unit32)</max-age>	Configures MSTP max age.
<base_URI>/config/running/protocol/spanning-tree	max-hops>(unit32)</max-hops>	Configures max hops.
<base_URI>/config/running/protocol/spanning-tree/mstp/port-channel/path-cost	<path-cost>(string)</path-cost>	Configures MSTP port channel path cost.
<base_URI>/config/running/protocol/spanning-tree/mstp/region	<region>(string)</region>	Configures MSTP string.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/mstp/revision	<revision>(unit32)</revision>	Configures MSTP revision.
<base_URI>/config/running/protocol/spanning-tree/mstp/shutdown	<shutdown></shutdown>	Disable MSTP.
<base_URI>/config/running/protocol/spanning-tree/mstp/transmit-holdcount	<transmit-holdcount>(uni32)</transmit-holdcount>	Configures MSTP trasmit holdcount.
<base_URI>/config/running/protocol/spanning-tree/mstp/error-disable-timeout/interval	<interval>(unit32)</interval>	Configures MSTP error disable timeout interval.

DELETE URIs
<base_URI>/config/running/protocol/spanning-tree/mstp/description
<base_URI>/config/running/protocol/spanning-tree/mstp/bridge-priority
<base_URI>/config/running/protocol/spanning-tree/mstp/cisco-interoperability
<base_URI>/config/running/protocol/spanning-tree/mstp/error-disable-timeout/enable
<base_URI>/config/running/protocol/spanning-tree/mstp/forward-delay
<base_URI>/config/running/protocol/spanning-tree/mstp/hello-time
<base_URI>/config/running/protocol/spanning-tree/mstp/max-age
<base_URI>/config/running/protocol/spanning-tree
<base_URI>/config/running/protocol/spanning-tree/mstp/port-channel/path-cost
<base_URI>/config/running/protocol/spanning-tree/mstp/region
<base_URI>/config/running/protocol/spanning-tree/mstp/revision
<base_URI>/config/running/protocol/spanning-tree/mstp/shutdown
<base_URI>/config/running/protocol/spanning-tree/mstp/transmit-holdcount
<base_URI>/config/running/protocol/spanning-tree/mstp/error-disable-timeout/interval

Parameters

description

Specifies description.

bridge-priority

Specifies bridge priority.

interval

Specifies the interval.

forward-delay

Specifies the forward delay.

max-age

Specifies max age.

path-cost

Specifies the path cost.

hello-time

Specifies the hello time.

transmit-holdcount

Specifies transmit hold count.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/spanning-tree/mstp

Request Body

None

Response Body

```
<spanning-tree xmlns="urn:brocade.com:mgmt:brocade-xstp" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/protocol/spanning-tree">\r
  <mstp y:self="/rest/config/running/protocol/spanning-tree/mstp">\r
    <error-disable-timeout y:self="/rest/config/running/protocol/spanning-tree/mstp/error-disable-
timeout">\r
      </error-disable-timeout>\r
    <port-channel y:self="/rest/config/running/protocol/spanning-tree/mstp/port-channel">\r
      </port-channel>\r
    <instance y:self="/rest/config/running/protocol/spanning-tree/mstp/instance/1">\r
      <id>1</id>\r
      <vlan>5-10</vlan>\r
    </instance>\r
  </mstp>\r
</spanning-tree>\r
```

The following example uses the POST option to configure MSTP instance.

URI

http://host:80/rest/config/running/protocol/spanning-tree/mstp

Request Body

```
<instance>
  <id>2</id>
  <vlan>4</vlan>
</instance>
```

Response Body

None

The following example uses the DELETE option to remove MSTP description.

URI

http://host:80/rest/config/running/protocol/spanning-tree/mstp/description

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/spanning-tree/pvst

Configures PVST.

Resource URIs

URI	Description
<base_URI>/config/running/protocol/spanning-tree/pvst	Configures PVST.

GET URIs	Description
<base_URI>/config/running/protocol/spanning-tree/pvst	Retrieves PVST configuration information.
<base_URI>/config/running/protocol/spanning-tree/pvst/description	Retrieves PVST description.
<base_URI>/config/running/protocol/spanning-tree/pvst/bridge-priority	Retrieves bridge priority for the common instance
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/enable	Retrieves error disable timeout information.
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/interval	Retrieves error disable timeout interval details.
<base_URI>/config/running/protocol/spanning-tree/pvst/forward-delay	Retrieves forward delay information.
<base_URI>/config/running/protocol/spanning-tree/pvst/max-age	Retrieves max age information.
<base_URI>/config/running/protocol/spanning-tree/pvst/port-channel/path-cost	Retrieves path cost.
<base_URI>/config/running/protocol/spanning-tree/pvst/shutdown	Disables PVST.
<base_URI>/config/running/protocol/spanning-tree/pvst/hello-time	Retrieves hello time.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/forward-delay	Retrieves forward delay information for a particular VLAN.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/max-age	Retrieves max age information for a particular VLAN.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/hello-time	Retrieves hello time information for a particular VLAN.

POST URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree	<pvst />	Configures PVST.
<base_URI>/config/running/protocol/spanning-tree/pvst	<vlan><id>(req_val)</id><priority>(uint32)</priority></vlan>	Configures PVST priority.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/pvst/description	<description />	Configures PVST description.
<base_URI>/config/running/protocol/spanning-tree/pvst/bridge-priority	<bridge-priority />	Configures bridge priority.
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/enable	<enable />	Enables error disable timeout.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/interval	<interval />	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/pvst/forward-delay	<forward-delay />	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/pvst/max-age	<max-age />	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/pvst/port-channel/path-cost	<path-cost />	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/pvst/shutdown	<shutdown />	Disables PVST.
<base_URI>/config/running/protocol/spanning-tree/pvst/hello-time	<hello-time />	Configures hello time.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)	<vlan><priority>(uint32)</priority></vlan>	Configures priority for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)	<vlan><forward-delay>(uint32)</forward-delay></vlan>	Configures forward delay for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)	<vlan><max-age>(uint32)</max-age></vlan>	Configures max age for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)	<vlan><hello-time>(uint32)</hello-time></vlan>	Configures hello time for a VLAN.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/pvst/description	<description />	Configures PVST description.
<base_URI>/config/running/protocol/spanning-tree/pvst/bridge-priority	<bridge-priority />	Configures bridge priority.
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/enable	<enable />	Enables error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/interval	<interval />	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/pvst/forward-delay	<forward-delay />	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/pvst/max-age	<max-age />	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/pvst/port-channel/path-cost	<path-cost />	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/pvst/shutdown	<shutdown />	Disables PVST.
<base_URI>/config/running/protocol/spanning-tree/pvst/hello-time	<hello-time />	Configures hello time.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/forward-delay	<forward-delay/>	Configures forward delay for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/max-age	<<max-age/>	Configures max age for a VLAN.

DELETE URIs
<base_URI>/config/running/protocol/spanning-tree/pvst
<base_URI>/config/running/protocol/spanning-tree/pvst/description
<base_URI>/config/running/protocol/spanning-tree/pvst/bridge-priority
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/enable
<base_URI>/config/running/protocol/spanning-tree/pvst/error-disable-timeout/interval
<base_URI>/config/running/protocol/spanning-tree/pvst/forward-delay
<base_URI>/config/running/protocol/spanning-tree/pvst/max-age
<base_URI>/config/running/protocol/spanning-tree/pvst/port-channel/path-cost
<base_URI>/config/running/protocol/spanning-tree/pvst/shutdown
<base_URI>/config/running/protocol/spanning-tree/pvst/hello-time
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/forward-delay
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/max-age
<base_URI>/config/running/protocol/spanning-tree/pvst/vlan/(id)/hello-time

Parameters

description

Specifies description.

bridge-priority

Specifies bridge priority.

interval

Specifies the error disable timeout interval.

forward-delay

Specifies the forward delay.

max-age

Specifies max age.

path-cost

Specifies the path cost.

hello-time

Specifies the hello time.

Usage Guidelines

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/spanning-tree/pvst/

Request Body

None

Response Body

```
<pvst xmlns="urn:brocade.com:mgmt:brocade-xstp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/protocol/spanning-tree/pvst">
  <hello-time>3</hello-time>
  <forward-delay>14</forward-delay>
  <max-age>19</max-age>
  <error-disable-timeout y:self="/rest/config/running/protocol/spanning-tree/pvst/error-disable-
timeout">
    <enable>true</enable>
    <interval>100</interval>
  </error-disable-timeout>
  <port-channel y:self="/rest/config/running/protocol/spanning-tree/pvst/port-channel">
  </port-channel>
  <vlan y:self="/rest/config/running/protocol/spanning-tree/pvst/vlan/100">
    <id>100</id>
  </vlan>
  <vlan y:self="/rest/config/running/protocol/spanning-tree/pvst/vlan/102">
    <id>102</id>
  </vlan>
</pvst>
```

The following example uses the POST option to configure PVST.

URI

http://host:80/rest/config/running/protocol

Request Body

```
<pvst/>
```

Response Body

None

The following example uses the DELETE option to remove PVST configuration.

URI

http://host:80/rest/config/running/protocol/pvst

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/spanning-tree/rpvst

Configures RPVST.

Resource URIs

URI	Description
<base_URI>/config/running/protocol/spanning-tree/rpvst	Configures RPVST.

GET URIs	Description
<base_URI>/config/running/protocol/spanning-tree/rpvst	Retrieves RPVST configuration information.
<base_URI>/config/running/protocol/spanning-tree/rpvst/description	Retrieves RPVST description.
<base_URI>/config/running/protocol/spanning-tree/rpvst/bridge-priority	Retrieves bridge priority for the common instance
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/enable	Retrieves error disable timeout information.
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/interval	Retrieves error disable timeout interval details.
<base_URI>/config/running/protocol/spanning-tree/rpvst/forward-delay	Retrieves forward delay information.
<base_URI>/config/running/protocol/spanning-tree/rpvst/max-age	Retrieves max age information.
<base_URI>/config/running/protocol/spanning-tree/rpvst/port-channel/path-cost	Retrieves path cost.
<base_URI>/config/running/protocol/spanning-tree/rpvst/shutdown	Disables RPVST.
<base_URI>/config/running/protocol/spanning-tree/rpvst/hello-time	Retrieves hello time.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/{id}/forward-delay	Retrieves forward delay information for a particular VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/{id}/max-age	Retrieves max age information for a particular VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/{id}/hello-time	Retrieves hello time information for a particular VLAN.

POST URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree	<rpvst />	Configures RPVST.
<base_URI>/config/running/protocol/spanning-tree/rpvst	<vlan>{id}<req_val>{id}<priority>{uint32}</priority></vlan>	Configures RPVST priority.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/rpvst/description	<description />	Configures RPVST description.
<base_URI>/config/running/protocol/spanning-tree/rpvst/bridge-priority	<bridge-priority />	Configures bridge priority.
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/enable	<enable />	Enables error disable timeout.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/interval	<interval />	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/rpvst/forward-delay	<forward-delay />	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/rpvst/max-age	<max-age />	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/rpvst/port-channel/path-cost	<path-cost />	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/rpvst/shutdown	<shutdown />	Disables RPVST.
<base_URI>/config/running/protocol/spanning-tree/rpvst/hello-time	<hello-time />	Configures hello time.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)	<vlan><priority>(uint32)</priority></vlan>	Configures priority for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)	<vlan><forward-delay>(uint32)</forward-delay></vlan>	Configures forward delay for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)	<vlan><max-age>(uint32)</max-age></vlan>	Configures max age for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)	<vlan><hello-time>(uint32)</hello-time></vlan>	Configures hello time for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/transmit-holdcount	<transmit-holdcount />	Configures transmit hold count.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/rpvst/description	<description />	Configures RPVST description.
<base_URI>/config/running/protocol/spanning-tree/rpvst/bridge-priority	<bridge-priority />	Configures bridge priority.
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/enable	<enable />	Enables error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/interval	<interval />	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/rpvst/forward-delay	<forward-delay />	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/rpvst/max-age	<max-age />	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/rpvst/port-channel/path-cost	<path-cost />	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/rpvst/shutdown	<shutdown />	Disables RPVST.
<base_URI>/config/running/protocol/spanning-tree/rpvst/hello-time	<hello-time />	Configures hello time.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)/forward-delay	<forward-delay/>	Configures forward delay for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)/max-age	<max-age/>	Configures max age for a VLAN.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)/hello-time	<hello-time />	Configures hello time for a VLAN.
<base_URI>/config/running/protocol/spanning-tree/rpvst/transmit-holdcount	<transmit-holdcount />	Configures transmit hold count.

DELETE URIs
<base_URI>/config/running/protocol/spanning-tree/rpvst
<base_URI>/config/running/protocol/spanning-tree/rpvst/description
<base_URI>/config/running/protocol/spanning-tree/rpvst/bridge-priority
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/enable
<base_URI>/config/running/protocol/spanning-tree/rpvst/error-disable-timeout/interval
<base_URI>/config/running/protocol/spanning-tree/rpvst/forward-delay
<base_URI>/config/running/protocol/spanning-tree/rpvst/max-age
<base_URI>/config/running/protocol/spanning-tree/rpvst/port-channel/path-cost
<base_URI>/config/running/protocol/spanning-tree/rpvst/shutdown
<base_URI>/config/running/protocol/spanning-tree/rpvst/hello-time
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)/forward-delay
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)/max-age
<base_URI>/config/running/protocol/spanning-tree/rpvst/vlan/(id)/hello-time
<base_URI>/config/running/protocol/spanning-tree/rpvst/transmit-holdcount

Parameters

description

Specifies description.

bridge-priority

Specifies bridge priority.

interval

Specifies the error disable timeout interval.

forward-delay

Specifies the forward delay.

max-age

Specifies max age.

path-cost

Specifies the path cost.

hello-time

Specifies the hello time.

transmit-holdcount

Specifies transmit hold count.

Usage Guidelines

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/spanning-tree/rpvst

Request Body

None

Response Body

```
<rpvst xmlns="urn:brocade.com:mgmt:brocade-xstp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/protocol/spanning-tree/rpvst">
  <hello-time>3</hello-time>
  <forward-delay>14</forward-delay>
  <max-age>19</max-age>
  <error-disable-timeout y:self="/rest/config/running/protocol/spanning-tree/rpvst/error-disable-
timeout">
    <enable>true</enable>
    <interval>100</interval>
  </error-disable-timeout>
  <port-channel y:self="/rest/config/running/protocol/spanning-tree/rpvst/port-channel">
  </port-channel>
  <vlan y:self="/rest/config/running/protocol/spanning-tree/rpvst/vlan/100">
    <id>100</id>
  </vlan>
  <vlan y:self="/rest/config/running/protocol/spanning-tree/rpvst/vlan/102">
    <id>102</id>
  </vlan>
</rpvst>
```

The following example uses the POST option to configure RPVST.

URI

http://host:80/rest/config/running/protocol

Request Body

```
<rpvst/>
```

Response Body

None

The following example uses the DELETE option to remove RPVST configuration.

URI

http://host:80/rest/config/running/protocol/rpvst

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/spanning-tree/rstp

Configures, retrieves, and modifies RSTP.

Resource URIs

URI	Description
<base_URI>/config/running/protocol/spanning-tree/rstp	Configures RSTP.

GET URIs	Description
<base_URI>/config/running/protocol/spanning-tree/rstp	Retrieves RSTP.
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout	Retrieves error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/rstp/port-channel	Retrieves RSTP on port channel.

POST URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree	<rstp></rstp>	Configures RSTP.
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout	<enable></enable>	Enables RSTP error disable.
<base_URI>/config/running/protocol/spanning-tree/rstp/port-channel	<shutdown></shutdown>	Shuts down.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/rstp/description	<description>(string)</description>	Configures RSTP description.
<base_URI>/config/running/protocol/spanning-tree/rstp/bridge-priority	<bridge-priority>(unit32)</bridge-priority>	Configures RSTP bridge priority.
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout/enable	<enable></enable>	Enables error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout/interval	<interval>(unit32)</interval>	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/rstp/forward-delay	<forward-delay>(unit32)</forward-delay>	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/rstp/max-age	<max-age>(unit32)</max-age>	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/rstp/port-channel/path-cost	<path-cost>(string)</path-cost>	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/rstp/shutdown	<shutdown></shutdown>	Shuts down.
<base_URI>/config/running/protocol/spanning-tree/rstp/hello-time	<hello-time>(unit32)</hello-time>	Configures hello time.
<base_URI>/config/running/protocol/spanning-tree/rstp/transmit-holdcount	<transmit-holdcount>(unit32)</transmit-holdcount>	Configures transmit hold count.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/rstp/description	<description>(string)</description>	Configures RSTP description.
<base_URI>/config/running/protocol/spanning-tree/rstp/bridge-priority	<bridge-priority>(unit32)</bridge-priority>	Configures RSTP bridge priority.
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout/enable	<enable></enable>	Enables error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout/interval	<interval>(unit32)</interval>	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/rstp/forward-delay	<forward-delay>(unit32)</forward-delay>	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/rstp/max-age	<max-age>(unit32)</max-age>	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/rstp/port-channel/path-cost	<path-cost>(string)</path-cost>	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/rstp/shutdown	<shutdown></shutdown>	Shuts down.
<base_URI>/config/running/protocol/spanning-tree/rstp/hello-time	<hello-time>(unit32)</hello-time>	Configures hello time.
<base_URI>/config/running/protocol/spanning-tree/rstp/transmit-holdcount	<transmit-holdcount>(unit32)</transmit-holdcount>	Configures transmit hold count.

DELETE URIs
<base_URI>/config/running/protocol/spanning-tree/rstp/description
<base_URI>/config/running/protocol/spanning-tree/rstp/bridge-priority
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout/enable
<base_URI>/config/running/protocol/spanning-tree/rstp/error-disable-timeout/interval
<base_URI>/config/running/protocol/spanning-tree/rstp/forward-delay
<base_URI>/config/running/protocol/spanning-tree/rstp/max-age
<base_URI>/config/running/protocol/spanning-tree/rstp/port-channel/path-cost
<base_URI>/config/running/protocol/spanning-tree/rstp/shutdown
<base_URI>/config/running/protocol/spanning-tree/rstp/hello-time
<base_URI>/config/running/protocol/spanning-tree/rstp/transmit-holdcount

Parameters

description

Specifies description.

bridge-priority

Specifies bridge priority.

interval

Specifies the interval.

forward-delay

Specifies the forward delay.

max-age

Specifies max age.

path-cost

Specifies the path cost.

hello-time

Specifies the hello time.

transmit-holdcount

Specifies transmit hold count.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/spanning-tree

Request Body

None

Response Body

```

<spanning-tree xmlns="urn:brocade.com:mgmt:brocade-xstp" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/protocol/spanning-tree">
  <rstp y:self="/rest/config/running/protocol/spanning-tree/rstp">
    <error-disable-timeout y:self="/rest/config/running/protocol/spanning-tree/rstp/error-disable-
timeout">
      </error-disable-timeout>
    <port-channel y:self="/rest/config/running/protocol/spanning-tree/rstp/port-channel">
      </port-channel>
    </rstp>
  </spanning-tree>

```

The following example uses the POST option to configure RSTP.

URI

http://host:80/rest/config/running/protocol/spanning-tree

Request Body

```
<rstp></rstp>
```

Response Body

None

The following example uses the DELETE option to remove RSTP description.

URI

http://host:80/rest/config/running/protocol/spanning-tree/rstp/description

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/spanning-tree/stp

Configures STP.

Resource URIs

URI	Description
<base_URI>/config/running/protocol/spanning-tree/stp	Configures STP.

GET URIs	Description
<base_URI>/config/running/protocol/spanning-tree/stp	Retrieves STP details.
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout	Retrieves error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/stp/port-channel	Retrieves port channel details.

POST URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout	<enable>(enumeration)</enable>	Enables error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/stp	<shutdown>(enumeration)</shutdown>	Shuts down.

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/stp/description	<description>(string)</description>	Configures STP description.
<base_URI>/config/running/protocol/spanning-tree/stp/bridge-priority	<bridge-priority>(unit32)</bridge-priority>	Configures bridge priority.
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout/enable	<enable>(enumeration)</enable>	Enables error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout/interval	<interval>(unit32)</interval>	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/stp/forward-delay	<forward-delay>(unit32)</forward-delay>	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/stp/max-age	<max-age>(unit32)</max-age>	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/stp/port-channel/path-cost	<path-cost>(enumeration)</path-cost>	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/stp/shutdown	<shutdown>(enumeration)</shutdown>	Shuts down.
<base_URI>/config/running/protocol/spanning-tree/stp/hello-time	<hello-time>(unit32)</hello-time>	Configures hello time.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/stp/description	<description>(string)</description>	Configures STP description.

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/spanning-tree/stp/bridge-priority	<bridge-priority>(unit32)</bridge-priority>	Configures bridge priority.
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout/enable	<enable>(enumeration)</enable>	Enables error disable timeout.
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout/interval	<interval>(unit32)</interval>	Configures error disable timeout interval.
<base_URI>/config/running/protocol/spanning-tree/stp/forward-delay	<forward-delay>(unit32)</forward-delay>	Configures forward delay.
<base_URI>/config/running/protocol/spanning-tree/stp/max-age	<max-age>(unit32)</max-age>	Configures max age.
<base_URI>/config/running/protocol/spanning-tree/stp/port-channel/path-cost	<path-cost>(enumeration)</path-cost>	Configures path cost.
<base_URI>/config/running/protocol/spanning-tree/stp/shutdown	<shutdown>(enumeration)</shutdown>	Shuts down.
<base_URI>/config/running/protocol/spanning-tree/stp/hello-time	<hello-time>(unit32)</hello-time>	Configures hello time.

DELETE URIs
<base_URI>/config/running/protocol/spanning-tree/stp/description
<base_URI>/config/running/protocol/spanning-tree/stp/bridge-priority
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout
<base_URI>/config/running/protocol/spanning-tree/stp/error-disable-timeout/interval
<base_URI>/config/running/protocol/spanning-tree/stp/forward-delay
<base_URI>/config/running/protocol/spanning-tree/stp/max-age
<base_URI>/config/running/protocol/spanning-tree/stp/port-channel/path-cost
<base_URI>/config/running/protocol/spanning-tree/stp/shutdown
<base_URI>/config/running/protocol/spanning-tree/stp/hello-time

Parameters

description

Specifies description.

bridge-priority

Specifies bridge priority.

interval

Specifies the interval.

forward-delay

Specifies the forward delay.

max-age

Specifies max age.

path-cost

Specifies the path cost.

hello-time

Specifies the hello time.

transmit-holdcount

Specifies transmit hold count.

Usage Guidelines

GET, POST, PATCH, PUT, DELETE, HEAD, and OPTIONS operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

`http://host:80/rest/config/running/protocol/spanning-tree/stp`

Request Body

None

Response Body

```
<stp xmlns="urn:brocade.com:mgmt:brocade-xstp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/protocol/spanning-tree/stp">
  <hello-time>3</hello-time>
  <forward-delay>14</forward-delay>
  <max-age>19</max-age>
  <bridge-priority>4096</bridge-priority>
  <error-disable-timeout y:self="/rest/config/running/protocol/spanning-tree/stp/error-disable-timeout">
    <enable>true</enable>
    <interval>100</interval>
  </error-disable-timeout>
  <port-channel y:self="/rest/config/running/protocol/spanning-tree/stp/port-channel">
    <path-cost>custom</path-cost>
  </port-channel>
</stp>
```

The following example uses the POST option to enable error disable timeout.

URI

`http://host:80/rest/config/running/protocol/spanning-tree/stp/error-disable-timeout`

Request Body

`<enable>enable</enable>`

Response Body

None

The following example uses the DELETE option to remove STP description.

URI

http://host:80/rest/config/running/protocol/spanning-tree/stp/description

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/vrrp

Configures, modifies, or retrieves Virtual Router Redundancy Protocol (VRRP)

Resource URIs

URI	Description
<base_URI>/config/running/protocol/vrrp	Configures Virtual Router Redundancy Protocol (VRRP)

GET URIs	Description
<base_URI>/config/running/protocol/vrrp	Retrieves Virtual Router Redundancy Protocol (VRRP)

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/vrrp	<vrrp>{enumeration}</vrrp>	Configures Virtual Router Redundancy Protocol (VRRP)

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/vrrp	<vrrp>{enumeration}</vrrp>	Configures Virtual Router Redundancy Protocol (VRRP)

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/vrrp

Request Body

None

Response Body

The following example uses the PUT option to configure VRRP.

URI

http://host:80/rest/config/running/protocol/vrrp

Request Body

```
<vrrp>true</vrrp>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

protocol/vrrp-extended

Configures, modifies, or retrieves Virtual Router Redundancy Protocol Extended (VRRP-E)

Resource URIs

URI	Description
<base_URI>/config/running/protocol/vrrp-extended	Configures Virtual Router Redundancy Protocol Extended (VRRP-E)

GET URIs	Description
<base_URI>/config/running/protocol/vrrp-extended	Retrieves Virtual Router Redundancy Protocol Extended (VRRP-E)

PATCH URIs	Payload	Description
<base_URI>/config/running/protocol/vrrp-extended	<vrrp-extended>{enumeration}</vrrp-extended>	

PUT URIs	Payload	Description
<base_URI>/config/running/protocol/vrrp-extended	<vrrp-extended>{enumeration}</vrrp-extended>	

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/protocol/vrrp-extended

Request Body

None

Response Body

The following example uses the PUT option to configure VRRP-E.

URI

http://host:80/rest/config/running/protocol/vrrp-extended

Request Body

```
<vrrp-extended>true</vrrp-extended>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

qos-mpls

Configures, retrieves, and modifies MPLS Quality of Service (QoS).

Resource URIs

URI	Description
<base_URI>/config/running/qos-mpls	Configures MPLS Quality of Service (QoS).

GET URIs	Description
<base_URI>/config/running/qos-mpls	Retrieves and displays the information on all configured qos-mpls maps, and the details on applied maps.
<base_URI>/config/running/qos-mpls/map	Retrieves and displays the information on all configured qos-mpls maps.
<base_URI>/config/running/qos-mpls/map/exp-traffic-class/{exp-traffic-class-map-name}	Retrieves and displays the EXP-to-Traffic-Class map information for the map name specified in the URI.
<base_URI>/config/running/qos-mpls/map/exp-traffic-class/{exp-traffic-class-map-name}/exp/{exp-in-values}	Specify the map name and exp value in the URI to retrieve the configured traffic-class and drop-precedence value.
<base_URI>/config/running/qos-mpls/map/exp-traffic-class/{exp-traffic-class-map-name}/exp/{exp-in-values}/to	Specify the map name and exp value in the URI to retrieve the configured traffic-class and drop-precedence value.
<base_URI>/config/running/qos-mpls/map/traffic-class-exp/{traffic-class-exp-map-name}	Retrieves and displays Traffic-Class-to-EXP map information for the map name specified in the URI.
<base_URI>/config/running/qos-mpls/map/traffic-class-exp/{traffic-class-exp-map-name}/traffic-class/{priority-in-values}/{drop-precedence}	Specify the map name, traffic-class and drop-precedence values in the URI to retrieve the configured exp value.
<base_URI>/config/running/qos-mpls/map/dscp-exp/{dscp-exp-map-name}	Retrieves and displays the DSCP-to-EXP map information for the map name specified in the URI.
<base_URI>/config/running/qos-mpls/map/dscp-exp/{dscp-exp-map-name}/dscp/{dscp-in-values}	Specify the map name and DSCP value in the URI to retrieve the configured exp value.
<base_URI>/config/running/qos-mpls/map/dscp-exp/{dscp-exp-map-name}/dscp/{dscp-in-values}/to	Specify the map name and DSCP value in the URI to retrieve the configured exp value.
<base_URI>/config/running/qos-mpls/map/exp-dscp/{exp-dscp-map-name}	Retrieves and displays the EXP-to-DSCP map information for the map name specified in the URI.
<base_URI>/config/running/qos-mpls/map/exp-dscp/{exp-dscp-map-name}/exp/{exp-in-values}	Specify the map name and exp value in the URI to retrieve the configured dscp value.
<base_URI>/config/running/qos-mpls/map/exp-dscp/{exp-dscp-map-name}/exp/{exp-in-values}/to	Specify the map name and exp value in the URI to retrieve the configured dscp value.
<base_URI>/config/running/qos-mpls/map-apply	Retrieves information about the qos-mpls map applied on the device.
<base_URI>/config/running/qos-mpls/map-apply/exp-traffic-class	Retrieves information about the qos-mpls map of type exp-traffic-class applied on the device.
<base_URI>/config/running/qos-mpls/map-apply/exp-traffic-class/All	If the qos-mpls map of type exp-traffic-class is applied, the value of the field "All" will be always true, which indicates that the map is globally applied. If the map is not applied, a "Not found" error will be returned.
<base_URI>/config/running/qos-mpls/map-apply/traffic-class-exp	Retrieves information about the qos-mpls map of type traffic-class-exp applied on the device.
<base_URI>/config/running/qos-mpls/map-apply/traffic-class-exp/All	If the qos-mpls map of type traffic-class-exp is applied. The value of the field "All" will be always true, which indicates that the map is globally applied. If the map is not applied, a "Not found" error will be returned.

GET URIs	Description
<base_URI>/config/running/qos-mpls/map-apply/dscp-exp	Retrieves information about the qos-mpls map of type dscp-exp applied on the device.
<base_URI>/config/running/qos-mpls/map-apply/dscp-exp/All	If the qos-mpls map of type dscp-exp is applied, the value of the field "All" will be always true, which indicates that the map is globally applied. If the map is not applied, a "Not found" error will be returned.
<base_URI>/config/running/qos-mpls/map-apply/exp-dscp	Retrieves information about the qos-mpls map of type exp-dscp applied on the device.
<base_URI>/config/running/qos-mpls/map-apply/exp-dscp/All	If the qos-mpls map of type exp-dscp is applied, the value of the field "All" will be always true, which indicates that the map is globally applied. If the map is not applied, a "Not found" error will be returned.

POST URIs	Payload	Description
<base_URI>/config/running/qos-mpls/map	<exp-traffic-class><exp-traffic-class-map-name>{map-name-type}</exp-traffic-class-map-name></exp-traffic-class>	Configures EXP traffic class
<base_URI>/config/running/qos-mpls/map/exp-traffic-class/{exp-traffic-class-map-name}	<exp><exp-in-values>{uint32}</exp-in-values><to><traffic-class>{uint32}</traffic-class><drop-precedence>{uint32}</drop-precedence></to></exp>	Maps EXP values to Traffic Class Value.
<base_URI>/config/running/qos-mpls/map	<traffic-class-exp><traffic-class-exp-map-name>{map-name-type}</traffic-class-exp-map-name></traffic-class-exp>	Configures Traffic class EXP
<base_URI>/config/running/qos-mpls/map/traffic-class-exp/{traffic-class-exp-map-name}	<traffic-class><priority-in-values>{uint32}</priority-in-values><drop-precedence>{uint32}</drop-precedence><to>{enumeration}</to><exp>{uint32}</exp></traffic-class>	Maps Traffic class value to EXP value
<base_URI>/config/running/qos-mpls/map	<dscp-exp><dscp-exp-map-name>{map-name-type}</dscp-exp-map-name></dscp-exp>	Configures DSCP EXP.
<base_URI>/config/running/qos-mpls/map/dscp-exp/{dscp-exp-map-name}	<dscp><dscp-in-values>{uint32}</dscp-in-values><to><exp>{uint32}</exp></to></dscp>	Maps DSCP value to EXP value.
<base_URI>/config/running/qos-mpls/map	<exp-dscp><exp-dscp-map-name>{map-name-type}</exp-dscp-map-name></exp-dscp>	Configures EXP DSCP.
<base_URI>/config/running/qos-mpls/map/exp-dscp/{exp-dscp-map-name}	<exp><exp-in-values>{uint32}</exp-in-values><to><dscp>{uint32}</dscp></to></exp>	Maps EXP value to DSCP value

PATCH URIs	Payload	Description
<base_URI>/config/running/qos-mpls/map/exp-traffic-class/{exp-traffic-class-map-name}/exp/{exp-in-values}/to	<to><traffic-class>{uint32}</traffic-class><drop-precedence>{uint32}</drop-precedence></to>	Updates the configured traffic-class and drop-precedence value in the exp-traffic-Class map specified.
<base_URI>/config/running/qos-mpls/map/traffic-class-exp/{traffic-class-exp-map-name}/traffic-class/{priority-in-values}/drop-precedence/to	<to><exp>{uint32}</exp></to>	Updates the configured exp value in traffic-class-exp map specified.
<base_URI>/config/running/qos-mpls/map/dscp-exp/{dscp-exp-map-name}/dscp/{dscp-in-values}/to	<to><exp>{uint32}</exp></to>	Updates the configured exp value in the dscp-exp map specified.

PATCH URIs	Payload	Description
<base_URI>/config/running/qos-mpls/map/exp-dscp/{exp-dscp-map-name}/exp/{exp-in-values}/to	<to><dscp>{uint32}</dscp></to>	Updates the configured dscp value in the exp-dscp map specified.

PUT URIs	Payload	Description
<base_URI>/config/running/qos-mpls/map-apply/traffic-class-exp	<traffic-class-exp><map-name-cmd2>{map-name-type}</map-name-cmd2><<All>{enumeration}</All></traffic-class-exp>	Applies the qos-mpls map name provided in payload of type traffic-class-exp globally.
<base_URI>/config/running/qos-mpls/map-apply/traffic-class-exp	<traffic-class-exp><all-zero-map>{enumeration}</all-zero-map><<All>{enumeration}</All></traffic-class-exp>	Applies the qos-mpls all-zero-map of type traffic-class-exp globally.
<base_URI>/config/running/qos-mpls/map-apply/traffic-class-exp	<traffic-class-exp><default-map>{enumeration}</default-map><<All>{enumeration}</All></traffic-class-exp>	Applies the qos-mpls default-map of type traffic-class-exp globally.
<base_URI>/config/running/qos-mpls/map-apply/dscp-exp	<dscp-exp><map-name-cmd3>{map-name-type}</map-name-cmd3><<All>{enumeration}</All></dscp-exp>	Applies the qos-mpls map name provided in payload of type dscp-exp globally.
<base_URI>/config/running/qos-mpls/map-apply/dscp-exp	<dscp-exp><all-zero-map>{enumeration}</all-zero-map><<All>{enumeration}</All></dscp-exp>	Applies the qos-mpls all-zero-map of type traffic-class-exp globally.
<base_URI>/config/running/qos-mpls/map-apply/dscp-exp	<dscp-exp><default-map>{enumeration}</default-map><<All>{enumeration}</All></dscp-exp>	Applies the qos-mpls default-map of type traffic-class-exp globally.
<base_URI>/config/running/qos-mpls/map-apply/exp-dscp	<exp-dscp><map-name-cmd4>{map-name-type}</map-name-cmd4><<All>{enumeration}</All></exp-dscp>	Applies the qos-mpls map name provided in payload of type exp-dscp globally.
<base_URI>/config/running/qos-mpls/map-apply/exp-dscp	<exp-dscp><all-zero-map>{enumeration}</all-zero-map><<All>{enumeration}</All></exp-dscp>	Applies the qos-mpls all-zero-map of type exp-dscp globally.
<base_URI>/config/running/qos-mpls/map-apply/exp-dscp	<exp-dscp><default-map>{enumeration}</default-map><<All>{enumeration}</All></exp-dscp>	Applies the qos-mpls default-map of type exp-dscp globally.
<base_URI>/config/running/qos-mpls/map-apply/exp-traffic-class	<exp-traffic-class><map-name-cmd1>{map-name-type}</map-name-cmd1><<All>true</All></exp-traffic-class>	Applies the qos-mpls map name provided in payload of type exp-traffic-class globally.
<base_URI>/config/running/qos-mpls/map-apply/exp-traffic-class	<exp-traffic-class><all-zero-map>true</all-zero-map><<All>true</All></exp-traffic-class>	Applies the qos-mpls all-zero-map of type exp-traffic-class globally.
<base_URI>/config/running/qos-mpls/map-apply/exp-traffic-class	<exp-traffic-class><default-map>true</default-map><<All>true</All></exp-traffic-class>	Applies the qos-mpls default-map of type exp-traffic-class globally.

DELETE URIs
<base_URI>/config/running/qos-mpls/map/exp-traffic-class/{exp-traffic-class-map-name}
<base_URI>/config/running/qos-mpls/map/exp-traffic-class/{exp-traffic-class-map-name}/exp/{exp-in-values}
<base_URI>/config/running/qos-mpls/map/traffic-class-exp/{traffic-class-exp-map-name}
<base_URI>/config/running/qos-mpls/map-apply
<base_URI>/config/running/qos-mpls/map-apply/exp-traffic-class

DELETE URIs
<base_URI>/config/running/qos-mpls/map-apply/traffic-class-exp
<base_URI>/config/running/qos-mpls/map-apply/dscp-exp
<base_URI>/config/running/qos-mpls/map-apply/exp-dscp

Parameters

<exp-in-values>

Specifies the EXP Traffic Class value. Valid values range from 0 through 7.

<traffic-class>

Specifies the traffic class value. The range is from 0 through 7.

<drop-precedence>

Specifies the drop precedence value. Valid values range from 0 through 3.

<exp>

Specifies the exp value. Valid values range from 0 through 7.

<priority-in-values>

Specifies the traffic class (priority queue) value. Valid values range from 0 through 7.

<dscp-in-values>

Specifies the DSCP value. Valid values range from 0 through 63.

<dscp>

Specifies the DSCP value. Valid values range from 0 through 63.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/qos-mpls

Request Body

None

Response Body

```
<qos-mpls xmlns="urn:brocade.com:mgmt:brocade-qos-mpls" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/qos-mpls">
  <map y:self="/rest/config/running/qos-mpls/map">
    <exp-traffic-class y:self="/rest/config/running/qos-mpls/map/exp-traffic-class/e2tc1">
      <exp-traffic-class-map-name>e2tc1</exp-traffic-class-map-name>
      <exp y:self="/rest/config/running/qos-mpls/map/exp-traffic-class/e2tc1/exp/3">
        <exp-in-values>3</exp-in-values>
        <to y:self="/rest/config/running/qos-mpls/map/exp-traffic-class/e2tc1/exp/3/to">
          <traffic-class>5</traffic-class>
          <drop-precedence>1</drop-precedence>
        </to>
      </exp>
    </exp-traffic-class>
    <traffic-class-exp y:self="/rest/config/running/qos-mpls/map/traffic-class-exp/tc2e1">
      <traffic-class-exp-map-name>tc2e1</traffic-class-exp-map-name>
      <traffic-class y:self="/rest/config/running/qos-mpls/map/traffic-class-exp/tc2e1/traffic-class/5%2C0">
        <priority-in-values>5</priority-in-values>
        <drop-precedence>0</drop-precedence>
        <to y:self="/rest/config/running/qos-mpls/map/traffic-class-exp/tc2e1/traffic-class/5%2C0/to">
          <exp>7</exp>
        </to>
      </traffic-class>
      <traffic-class y:self="/rest/config/running/qos-mpls/map/traffic-class-exp/tc2e1/traffic-class/5%2C2">
        <priority-in-values>5</priority-in-values>
        <drop-precedence>2</drop-precedence>
        <to y:self="/rest/config/running/qos-mpls/map/traffic-class-exp/tc2e1/traffic-class/5%2C2/to">
          <exp>7</exp>
        </to>
      </traffic-class>
    </traffic-class-exp>
    <dscp-exp y:self="/rest/config/running/qos-mpls/map/dscp-exp/d2e1">
      <dscp-exp-map-name>d2e1</dscp-exp-map-name>
      <dscp y:self="/rest/config/running/qos-mpls/map/dscp-exp/d2e1/dscp/1">
        <dscp-in-values>1</dscp-in-values>
        <to y:self="/rest/config/running/qos-mpls/map/dscp-exp/d2e1/dscp/1/to">
          <exp>4</exp>
        </to>
      </dscp>
    </dscp-exp>
    <exp-dscp y:self="/rest/config/running/qos-mpls/map/exp-dscp/e2d1">
      <exp-dscp-map-name>e2d1</exp-dscp-map-name>
      <exp y:self="/rest/config/running/qos-mpls/map/exp-dscp/e2d1/exp/5">
        <exp-in-values>5</exp-in-values>
        <to y:self="/rest/config/running/qos-mpls/map/exp-dscp/e2d1/exp/5/to">
          <dscp>34</dscp>
        </to>
      </exp>
    </exp-dscp>
  </map>
```

```

<map-apply xmlns="urn:brocade.com:mgmt:brocade-apply-qos-mpls" y:self="/rest/config/running/qos-mpls/
map-apply">
  <exp-traffic-class y:self="/rest/config/running/qos-mpls/map-apply/exp-traffic-class">
    <map-name-cmd1>e2tc1</map-name-cmd1>
    <All>true</All>
  </exp-traffic-class>
  <traffic-class-exp y:self="/rest/config/running/qos-mpls/map-apply/traffic-class-exp">
    <map-name-cmd2>tc2e1</map-name-cmd2>
    <All>true</All>
  </traffic-class-exp>
  <dscp-exp y:self="/rest/config/running/qos-mpls/map-apply/dscp-exp">
    <map-name-cmd3>d2e1</map-name-cmd3>
    <All>true</All>
  </dscp-exp>
  <exp-dscp y:self="/rest/config/running/qos-mpls/map-apply/exp-dscp">
    <map-name-cmd4>e2d1</map-name-cmd4>
    <All>true</All>
  </exp-dscp>
</map-apply>
</qos-mpls>

```

The following example uses the POST option to configure EXP traffic class.

URI

http://host:80/rest/config/running/qos-mpls/map

Request Body

```
<exp-traffic-class><exp-traffic-class-map-name>plsmap</exp-traffic-class-map-name></exp-traffic-class>
```

Response Body

None

The following example uses the DELETE option to remove dot1x.

URI

http://host:80/rest/config/running/qos-mpls/map/exp-traffic-class/plsmap

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

radius-server

Configures, retrieves, and modifies Remote Authentication Dial-In User Service (RADIUS) server.

Resource URIs

URI	Description
<base_URI>/config/running/radius-server	Configures RADIUS server.

GET URIs	Description
<base_URI>/config/running/radius-server	Configures RADIUS server.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}	Configures the host name of the RADIUS server and specifies a VRF though which to communicate with the RADIUS server.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/auth-port	Configures UDP port for authentication (default=1812).
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/protocol	Specifies the authentication protocol. Parameters include CHAP, PAP, or PEAP-MSCHAP. The default is CHAP.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/key	Specifies the text string that is used as the shared secret between the device and the RADIUS server. The default is sharedsecret .
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/encryption-level	Designates the encryption level for the shared secret key operation.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/retries	Configures the number of attempts allowed to connect to a RADIUS server. The default is 5 attempts.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/timeout	Configures the time to wait for the RADIUS server to respond, in seconds. The default is 5 seconds.

PATCH URIs	Payload	Description
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}	<host><auth-port>{rad-auth-port}</auth-port></host>	Configures the host name of the RADIUS server and specifies a VRF though which to communicate with the RADIUS server.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}	<host><key>{string}</key></host>	Specifies the text string that is used as the shared secret between the device and the RADIUS server. The default is sharedsecret.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}	<host><encryption-level>{enumeration}</encryption-level></host>	Designates the encryption level for the shared secret key operation.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}	<host><retries>{uint32}</retries></host>	Configures the number of attempts allowed to connect to a RADIUS server.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}	<host><timeout>{uint32}</timeout></host>	Configures the time to wait for the RADIUS server to respond, in seconds.

PUT URIs	Payload	Description
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/auth-port	<auth-port>{rad-auth-port}</auth-port>	Configures UDP port for authentication (default=1812).
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/key	<key>{string}</key>	Specifies the text string that is used as the shared secret between the device and the RADIUS server. The default is sharedsecret.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/encryption-level	<encryption-level>{enumeration}</encryption-level>	Designates the encryption level for the shared secret key operation.

PUT URIs	Payload	Description
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/retries	<retries>{uint32}</retries>	Configures the number of attempts allowed to connect to a RADIUS server.
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/timeout	<timeout>{uint32}</timeout>	Configures the time to wait for the RADIUS server to respond, in seconds.

DELETE URIs
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/auth-port
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/protocol
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/key
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/encryption-level
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/retries
<base_URI>/config/running/radius-server/host/{hostname}/{use-vrf}/timeout

Parameters

auth-port

Specifies the UDP port for authentication (default=1812).

key

Specifies the text string that is used as the shared secret between the device and the RADIUS server. The default is sharedsecret.

encryption-level

Designates the encryption level for the shared secret key operation. The valid values are 0 and 7, with 0 being clear text and 7 being the most heavily encrypted. The default value is 7.

auth-port

Specifies the readiness test interval value in seconds. Valid values range from 1 through 65535. The default readiness test interval is 10 seconds.

retries

Specifies the number of attempts allowed to connect to a RADIUS server. The default is 5 attempts.

timeout

Specifies the time to wait for the RADIUS server to respond, in seconds. The default is 5 seconds.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/radius-server

Request Body

None

Response Body

```
<radius-server xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/radius-server">
  <host y:self="/rest/config/running/radius-server/host/50.50.50.50%2Cdata-vrf-1">
    <hostname>50.50.50.50</hostname>
    <use-vrf>data-vrf-1</use-vrf>
  </host>
  <host y:self="/rest/config/running/radius-server/host/10.20.106.145%2Cdata-vrf">
    <hostname>10.20.106.145</hostname>
    <use-vrf>data-vrf</use-vrf>
  </host>
</radius-server>
```

The following example uses the PUT option to configure RADIUS server.

URI

http://host:80/rest/config/running/config/running/radius-server/host/10.20.106.145/data-vrf/auth-port

Request Body

```
<auth-port>11111</auth-port>
```

Response Body

None

The following example uses the DELETE option to remove RADIUS server.

URI

http://host:80/rest/config/running/radius-server/host/10.20.106.145/data-vrf

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

role

Configures, modifies, or retrieves role configurations.

Resource URIs

URI	Description
<base_URI>/config/running/role	Role configuration.
<base_URI>/config/running/role/name	Name of the role.

Parameters

name

Specifies the name of the role.

desc

Specifies the description of the role.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/role

Request Body

None

Response Body

```
<role xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/role">
  <name y:self="/rest/config/running/role/name/admin">
    <name>admin</name>
    <desc>Administrator</desc>
  </name>
  <name y:self="/rest/config/running/role/name/admin2">
    <name>admin2</name>
  </name>
  <name y:self="/rest/config/running/role/name/trial">
    <name>trial</name>
  </name>
  <name y:self="/rest/config/running/role/name/user">
    <name>user</name>
    <desc>User</desc>
  </name>
</role>
```

The following is an example of the POST operation to add a role name and description.

URI

http://host:80/rest/config/running/role

Request Body

```
<name>
  <name>user3</name>
  <desc>user</desc>
</name>
```

Response Body

None

The following is an example of the DELETE operation to remove a user.

URI

http://host:80/rest/config/running/role/name/user3

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

route-map

Configures, retrieves, and modifies route-map instance.

Resource URIs

URI	Description
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}	Configures route-map instance.

GET URIs	Description
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}	Configures a route-map instance.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match	Matches conditions.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/vrf	Match condition specified as a non-default VRF. Valid values range from 0 through 4294967295.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface	Matches interface conditions in a route-map instance.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface/ethernet	Specifies an ethernet interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface/loopback	Specifies a loopback interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface/ve	Specifies a virtual Ethernet VLAN interface
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6	Matches Internet Protocol (IPv6).
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6/address	Matches an IPv6 address in a route-map instance.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6/address/acl	Matches an IP address in a route-map instance and specifies access list.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ip	Internet Protocol (IP).
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ap/address	Matches an IP address in a route-map instance
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ip/address/acl	Specifies the name of the access list .
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ip/next-hop	Matches IP next-hop match conditions in a route-map instance
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set	Set values.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip	Internet Protocol (IP).
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/dscp	DSCP
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/dscp/dscp-rms	DSCP

GET URIs	Description
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/interface	Interface
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/interface/null0	Sends traffic to a Null0 Interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/next-hop	Sets the IPv4 address of the next hop in a route-map instance.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/next-hop/peer-address	BGP peer IP address
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/next-hop/next-hop-list/{next-hop-addr}	Sets the IPv4 address of the next hop in a route-map instance.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/global	Global
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/global/next-global-hop/{next-hop}	Sets next global hop.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/next-vrf-list/{vrf}/{next-hop}	Sets next VRF list.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6	Internet Protocol (IPv6).
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/interface	IPv6 interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/interface/null0	Sends traffic to a Null0 Interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/global	Global
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/global/next-global-hop/{next-hop}	Sets next global hop.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/next-hop/{next-hop}	Sets the IPv6 address of the next hop in a route-map instance.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/next-vrf-list/{vrf}/{next-hop}	Sets next VRF list.

POST URIs	Payload	Description
<base_URI>/config/running	<route-map><name>{common-def.name-string63}</name><action-rm>{action-t}</action-rm><instance>{instance-id-t}</instance></route-map>	Configures a route-map instance.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/next-hop	<next-hop-list><next-hop-addr>{inet:ipv4-address}</next-hop-addr></next-hop-list>	Configure a IPv4 next hop address.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/global	<next-global-hop><next-hop>{inet:ipv4-address}</next-hop></next-global-hop>	Sets next global hop.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip	<next-vrf-list><vrf>{string}</vrf><next-hop>{inet:ipv4-address}</next-hop></next-vrf-list>	Sets next VRF list.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/global	<next-global-hop><next-hop>{inet:ipv6-address}</next-hop></next-global-hop>	Sets next global hop.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6	<next-hop><next-hop>{inet:ipv6-address}</next-hop></next-hop>	Sets the IPv6 address of the next hop in a route-map instance.

POST URIs	Payload	Description
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6	<next-vrf-list><vrf>{string}</vrf><next-hop>{inet:ipv6-address}</next-hop></next-vrf-list>	Sets next VRF list.

PATCH URIs	Payload	Description
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match	<match><vrf>{common-def:vrf-name}</vrf></match>	Match condition specified as a non-default VRF. Valid values range from 0 through 4294967295.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface	<interface><ethernet>{interface:interface-type}</ethernet></interface>	Specifies an ethernet interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface	<interface><loopback>{loopback-intf:intf-loopback-port-type}</loopback></interface>	Specifies a loopback interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface	<interface><ve>{interface:ve-type}</ve></interface>	Specifies a virtual Ethernet VLAN interface
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6/address	<address><acl>{ipv6-access-list:ipv6-l3-acl-policy-name}</acl></address>	Route address IPv6 ACL
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6/next-hop	<next-hop><prefix-list>{ipv6-prefix-name-t}</prefix-list></next-hop>	Route next hop address IPv6 prefix-list
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ip/address	<address><acl>{ip-access-list:l3-acl-policy-name}</acl></address>	Route address IP ACL.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/interface	<interface><null0>{enumeration}</null0></interface>	Sends traffic to a Null0 Interface
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/interface	<interface><null0>{enumeration}</null0></interface>	Sends traffic to a Null0 Interface

PUT URIs	Payload	Description
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/vrf	<vrf>{common-def:vrf-name}</vrf>	Match condition specified as a non-default VRF. Valid values range from 0 through 4294967295.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface/ethernet	<ethernet>{interface:interface-type}</ethernet>	Specifies an ethernet interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface/loopback	<loopback>{loopback-intf:intf-loopback-port-type}</loopback>	Specifies a loopback interface.
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/interface/ve	<ve>{interface:ve-type}</ve>	Specifies a virtual Ethernet VLAN interface
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6/address/acl	<acl>{ipv6-access-list:ipv6-l3-acl-policy-name}</acl>	Route address IPv6 ACL
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ip/address/acl	<acl>{ip-access-list:l3-acl-policy-name}</acl>	Route address IP ACL.

PUT URIs	Payload	Description
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/interface/null0	<null0>true</null0>	Sends traffic to a Null0 Interface
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/interface/null0	<null0>true</null0>	Sends traffic to a Null0 Interface

DELETE URIs
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6/address/acl
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ipv6/next-hop/prefix-list
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/match/ip/address/acl
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/interface/null0
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/next-hop/next-hop-list/{next-hop-addr}
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/global/next-global-hop/{next-hop}
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ip/next-vrf-list/{vrf}/{next-hop}
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/interface/null0
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/global/next-global-hop/{next-hop}
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/next-hop/{next-hop}
<base_URI>/config/running/route-map/{name}/{action-rm}/{instance}/set/ipv6/next-vrf-list/{vrf}/{next-hop}

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/route-map/rm1/permit/1

Request Body

None

Response Body

```
<route-map xmlns="urn:brocade.com:mgmt:brocade-ip-policy" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1">
  <name>rm1</name>
  <action-rm>permit</action-rm>
  <instance>1</instance>
  <match y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match">
    <interface y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/interface">
      </interface>
    <ipv6 y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ipv6">
      <address y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ipv6/address">
        </address>
      <next-hop y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ipv6/next-hop">
        </next-hop>
      <route-source y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ipv6/route-source">
        </route-source>
      </ipv6>
    <ip y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ip">
      <address y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ip/address">
        <acl>acl2</acl>
        </address>
      <next-hop y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ip/next-hop">
        </next-hop>
      <route-source y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/ip/route-source">
        </route-source>
      </ip>
    <extcommunity y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/extcommunity">
      </extcommunity>
    <metric y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/metric">
      </metric>
    <route-type y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/route-type">
      </route-type>
    <tag y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/tag">
      </tag>
    <as-path y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/as-path">
      </as-path>
    <community y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/community">
      </community>
    <protocol y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/match/protocol">
      </protocol>
    </match>
  <set y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set">
    <ip y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ip">
      <dscp y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ip/dscp">
        </dscp>
      <interface y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ip/interface">
        </interface>
      <next-hop y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ip/next-hop">
        <next-hop-list y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ip/next-hop/next-hop-list/24.24.24.2">
          <next-hop-addr>24.24.24.2</next-hop-addr>
        </next-hop-list>
      </next-hop>
    </ip>
  </set>
</route-map>
```



```

    </next-hop>
    <global y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ip/global">
  </global>
</ip>
<ipv6 y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ipv6">
  <interface y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ipv6/interface">
    </interface>
    <global y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/ipv6/global">
      </global>
    </global>
  </ipv6>
  <extcommunity y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/extcommunity">
    <rt y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/extcommunity/rt">
      </rt>
      <soo y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/extcommunity/soo">
        </soo>
      </extcommunity>
    <community y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/community">
      </community>
    <metric y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/metric">
      </metric>
    <distance y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/distance">
      </distance>
    <tag y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/tag">
      </tag>
    <weight y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/weight">
      </weight>
    <as-path y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/as-path">
      </as-path>
    <automatic-tag y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/automatic-tag">
      </automatic-tag>
    <comm-list y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/comm-list">
      </comm-list>
    <dampening y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/dampening">
      </dampening>
    <local-preference y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/local-preference">
      </local-preference>
    <origin y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/origin">
      </origin>
    <metric-type y:self="/rest/config/running/route-map/rm1%2Cpermit%2C1/set/metric-type">
      </metric-type>
    </set>
  </route-map>

```

The following example uses the POST option to configure an IPv4 next hop address.

URI

http://host:80/rest/config/running/config/running/route-map/rm1/permit/1/set/ip/next-hop

Request Body

```
<next-hop-list><next-hop-addr>{24.24.24.2}</next-hop-addr></next-hop-list>
```

Response Body

None

The following example uses the DELETE option to remove a route map instance.

URI

http://host:80/rest/config/running/route-map/rm1/permit/1

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

router/bgp

Configures, modifies, or retrieves Border Gateway Protocol (BGP) configurations.

Resource URIs

URI	Description
<base_URI>/config/running/router/bgp	Border Gateway Protocol (BGP).

GET URIs	Description
<base_URI>/config/running/router/bgp	Border Gateway Protocol (BGP).

POST URIs	Payload	Description
<base_URI>/config/running/router	<bgp></bgp>	Enters router BGP configuration mode.
<base_URI>/config/running/router/bgp	<local-as>(unit32)</local-as>	Configures Local AS.
<base_URI>/config/running/router/bgp/neighbor	<neighbor-peer-grp><address>(string)</address><peer-group>(enumeration)</peer-group></neighbor-peer-grp>	Configures neighbor peer group.
<base_URI>/config/running/router/bgp/neighbor	<neighbor-peer-grp><address>(string)</address><peer-group>true</peer-group><remote-as>(unit32)</remote-as></neighbor-peer-grp>	Configures Remote AS for neighbor peer group.
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp/(group-name)	<remote-as>(unit32)</remote-as>	Configures Remote AS.
<base_URI>/config/running/router/bgp/neighbor	<neighbor-addr><address>(ip-address)</address><remote-as>(unit32)</remote-as><peer-group>(group-name)</peer-group></neighbor-addr>	Configures neighbor address, remote AS, and peer group.
<base_URI>/config/running/router/bgp/neighbor	<neighbor-addr><address>(ip-address)</address><remote-as>(unit32)</remote-as></neighbor-addr>	Configures neighbor address and remote AS.
<base_URI>/config/running/router/bgp/neighbor/neighbor-addr/(ip-address)	<peer-group>(group-name)</peer-group>	Configures peer group.
<base_URI>/config/running/router/bgp/neighbor/neighbor-addr/(ip-address)/update-source	<loopback>(unit32)</loopback>	Configures loopback.
<base_URI>/config/running/router/bgp/neighbor/neighbor-addr/(ip-address)/next-hop-self	<next-hop-self-status>(enumeration)</next-hop-self-status>	Configures next hop self status.
<base_URI>/config/running/router/bgp/neighbor/neighbor-addr/(ip-address)/ebgp-multihop	<ebgp-multihop-count>(unit32)</ebgp-multihop-count>	Configures EBGP multi-hop count.
<base_URI>/config/running/router/bgp/neighbor/neighbor-addr/(ip-address)/update-source	<loopback>(unit32)</loopback>	Configures loopback.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute/ospf	<redistribute-ospf>(enumeration)</redistribute-ospf>	Configures OSPF redistribution.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute	<isis></isis>	Configures ISIS redistribution.

POST URIs	Payload	Description
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute/static	<redistribute-static>(enumeration)</redistribute-static>	Configures static redistribution.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute/connected	<redistribute-connected>(enumeration)</redistribute-connected>	Configures connected redistribution.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast	<vrf><vrf-name>(string)</vrf-name></vrf>	Configures VRF for address-family unicast.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/neighbor	<af-ipv4-neighbor-addr><address>(ip-address)</address><remote-as>(unit32)</remote-as><peer-group>(group-name)</peer-group></af-ipv4-neighbor-addr>	Configures neighbor.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/neighbor/af-ipv4-neighbor-addr/(ip-address)/update-source	<loopback>(unit32)</loopback>	Configures loopback.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/neighbor/af-ipv4-neighbor-addr/(ip-address)/next-hop-self	<next-hop-self-status>(enumeration)</next-hop-self-status>	Configures next hop self status.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/neighbor/af-ipv4-neighbor-addr/(ip-address)/ebgp-multihop	<ebgp-multihop-count>(unit32)</ebgp-multihop-count>	Configures EBGp multi-hop count.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/redistribute/ospf	<redistribute-ospf>(enumeration)</redistribute-ospf>	Configures OSPF redistribution.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/redistribute/connected	<redistribute-connected>(enumeration)</redistribute-connected>	Configures connected redistribution.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/redistribute/static	<redistribute-static>(enumeration)</redistribute-static>	Configures static redistribution.
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp/(group-name)	<description>(string)</description>	Configures description.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast	<network><network-ipv4-address>(ip-address/mask)</network-ipv4-address></network>	Configures IPv4 unicast address family.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast	<network><network-ipv4-address>(ip-address/mask)</network-ipv4-address><weight>(unit32)</weight></network>	Configures network weight.
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp/(group-name)/shutdown	<shutdown-status>(enumeration)</shutdown-status>	Shuts down the peer group.
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/neighbor/af-ipv4-neighbor-address/(ip-address)/route-map/in	<neighbor-route-map-name-direction-in>(string)</neighbor-route-map-name-direction-in>	Configures route map direction.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/bgp	<bgp></bgp>	Configures Router BGP.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/bgp/local-as	<local-as>(unit32)</local-as>	Configures local AS.
<base_URI>/config/running/router/bgp/local-as	<bgp><local-as>(unit32)</local-as></bgp>	Configures local AS.
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp	<neighbor-peer-grp><address>(group-name)</address><peer-group>(enumeration)</peer-group></neighbor-peer-grp>	Configures peer group.
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp/(group-name)	<peerGroup1><remote-as>(enumeration)</remote-as></peerGroup1>	Configures peer group Remote AS.

PUT URIs	Payload	Description
<base_URI>/config/running/router/bgp	<bgp></bgp>	Configures Router BGP.
<base_URI>/config/running/router/bgp/local-as	<local-as>(unit32)</local-as>	Configures local AS.
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp/(group-name)/remote-as	<remote-as>(unit32)</remote-as>	Configures remote AS.

DELETE URIs
<base_URI>/config/running/router/bgp
<base_URI>/config/running/router/bgp/local-as
<base_URI>/config/running/router/bgp/neighbor
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp
<base_URI>/config/running/router/bgp/neighbor/peer-grps/neighbor-peer-grp/address
<base_URI>/config/running/router/bgp/neighbor/neighbor-peer-grp/(group-name)/shutdown
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/network/(ip-address)
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/network/(ip-address)
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/network
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute/ospf
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute/isis
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute/connected
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/redistribute/static
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/redistribute/ospf
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/redistribute/connected
<base_URI>/config/running/router/bgp/address-family/ipv4/unicast/vrf/(vrf-name)/redistribute/static

Parameters

local-as

Specifies the local ASN. The value can range from 1 through 4294967295.

always-compare-med

Enables the device to always compare the Multi-Exit Discriminators (MEDs).

compare-med-empty-aspsth

Enables comparison of Multi-Exit Discriminators (MEDs) for internal routes.

med-missing-as-worst

Considers routes missing MED attributes as least desirable.

as-path-ignore

Disables the comparison of the autonomous system (AS) path lengths of otherwise equal paths.

compare-routerid

Enables comparison of device IDs.

install-igp-cost

Enables the device to use the IGP cost instead of the default BGP4 or BGP4+ Multi-Exit Discriminator (MED) value.

id

Configures Route-Reflector Cluster-ID.

default-local-preference

Specifies the local preference value. The value can range from 0 through 65535.

ext-route-distance

Specifies the EBGP distance. The value can range from 1 through 255.

int-route-distance

Specifies the IBGP distance. The value can range from 1 through 255.

lcl-route-distance

Specifies the local BGP4 and BGP4+ distance. The value can range from 1 through 255.

as4-enable

Enables 4-byte autonomous system number (ASN) capability.

ebgp-btsh

Enables BGP time to live (TTL) security hack protection (BTSH) for eBGP.

num-as-in-path

Configures the number of autonomous systems in the AS-PATH attribute.

enforce-first-as

Enforces the use of the first autonomous system (AS) path for external BGP (EBGP) routes.

fast-external-fallover

Resets the session if a link to an EBGP peer goes down.

keep-alive

Specifies the frequency in seconds with which a device sends keepalive messages to a peer. The value can range from 0 through 65535 seconds. The default value is 60 seconds.

hold-time

Specifies the interval in seconds that a device waits to receive a keepalive message from a peer before declaring that peer dead. The value can range from 0 through 65535 seconds. The default value is 180 seconds.

log-dampening-debug

Logs dampening debug messages.

identifier

Specifies an autonomous system number (ASN). The value can range from 1 through 4294967295.

peers

Specifies the autonomous system (AS) numbers for BGP peers that will belong to the confederation. The value can range from 1 through 4294967295.

holdover-interval

Specifies the BFD holdover-time interval in seconds. The values can range from 1 through 30. The default value is 0.

min-tx

Specifies the interval a device waits to send a control packet to BFD peers. The value can range from 50 through 30000 milliseconds.

min-rx

Specifies the interval a device waits to receive a control packet from BFD peers. The value can range from 50 through 30000 milliseconds.

multiplier

Specifies the number of consecutive BFD control packets that must be missed from a BFD peer before BFD determines that the connection to that peer is not operational. The values can range from 3 through 50. The default value is 3.

address

Configures neighbor address.

bgp-redistribute-internal

Enables BGP4 route redistribution.

redistribute-connected

Redistributes directly connected routes.

metric

Configures metric for redistributed routes.

redistribute-ospf

Enables Open Shortest Path First (OSPF).

redistribute-static

Enables Static routes.

ebgp

Specifies the number of EBGp paths. The value can range from 1 through 32. The default value is **all**.

lbgp

Specifies the number of IBGP paths for load sharing. The value can range from 1 through 32. The default value is **all**.

use-load-sharing

Uses the maximum IP ECMP path value.

always-propagate

Configures the device to reflect BGP routes that are not installed in the RTM.

default-information-originate

Sets the device to originate and advertise a default BGP4 or BGP4+ route.

activate

Allows exchange of route in the current family mode.

enable-peer-as-check

Disables routes advertise between peers in same AS.

rib-route-limit

Configures limit BGP rib count in routing table.

half-time

Specifies the number of minutes after which the route penalty becomes half its value. The value can range from 1 through 45 minutes. The default time is 15 minutes.

reuse-value

Specifies the minimum penalty below which the route becomes usable again. The value can range from 1 through 20000. The default value is 750.

start-suppress-time

Specifies the maximum penalty above which the route is suppressed by the device. The value can range from 1 through 20000. The default value is 2000.

max-suppress-time

Specifies the maximum number of minutes a route can be suppressed by the device. The default value is 40.

default-metric

Specifies the metric value. The value can range from 0 through 4294967295. The default value is 1.

update-time

Configures IGP route update interval.

metric

Configures metric for redistributed routes.

route-map

Route map reference.

bgp-redistribute-internal

Allows redistribution of IBGP routes into IGP.

route-map

Specifies the route map name.

aggregate-ip-prefix

Specifies the IPv4 address.

network-ipv6-address

Specifies the IPv6 address.

advertise-map

Specifies a route map to be consulted.

as-set

Sets the device to aggregate AS-path information.

attribute-map

Specifies a route map to be consulted.

summary-only

Prevents the device from advertising more-specific routes contained within the aggregate route.

suppress-map

Specifies a route map to be consulted.

ibgp

Configures the IBGP distance.

multi-as

Enables load sharing of paths from different neighboring autonomous systems.

network-ipv4-address

Configures the IP address.

weight

Configures the weight to be added to routes in this network.

backdoor

Changes administrative distance of the route to this network from the EBGP administrative distance.

allowas-in

Disables the AS_PATH check function for routes learned from a specified neighbor location so that BGP does not reject routes that contain the recipient BGP speaker's AS number.

static-network-address

Configures the static network address.

auto-shutdown-new-neighbors

Automatically shuts down new neighbors.

activate

Allows exchange of routes in the current family mode.

additional-paths

Enables the advertisement of additional paths for BGP neighbors. Possible configurations are:

receive

Enables the BGP to receive additional paths from BGP neighbors.

send

Enable the BGP to send additional paths to BGP neighbors.

advertise

Applies filters for the advertisement of additional paths for BGP neighbors. Possible configurations are:

all

Advertises all BGP additional paths with a unique next hop.

best

Advertises the additional paths that the device selects as best paths. You can specify the number of best paths advertised. The value can range from 1 through 5.

all

Configures a route reflector (RR) to accept all route targets (RTs).

route-reflector-client

Enables a neighbor to be a route-reflector client.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/router/bgp

Request Body

None

Response Body

```
<bgp xmlns="urn:brocade.com:mgmt:brocade-bgp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/router/bgp/default">
  <local-as>124</local-as>
  <always-compare-med>true</always-compare-med>
  <compare-med-empty-aspath>true</compare-med-empty-aspath>
  <med-missing-as-worst>true</med-missing-as-worst>
  <as-path-ignore>true</as-path-ignore>
  <compare-routerid>true</compare-routerid>
  <install-igp-cost>true</install-igp-cost>
  <cluster-id y:self="/rest/config/running/router/bgp/default/cluster-id">
    <id>122</id>
  </cluster-id>
  <default-local-preference>100</default-local-preference>
  <distance y:self="/rest/config/running/router/bgp/default/distance">
    <ext-route-distance>20</ext-route-distance>
    <int-route-distance>25</int-route-distance>
    <lcl-route-distance>22</lcl-route-distance>
  </distance>
  <capability y:self="/rest/config/running/router/bgp/default/capability">
    <as4-enable>true</as4-enable>
  </capability>
  <maxas-limit y:self="/rest/config/running/router/bgp/default/maxas-limit">
    <in y:self="/rest/config/running/router/bgp/default/maxas-limit/in">
      <num-as-in-path>250</num-as-in-path>
    </in>
  </maxas-limit>
  <enforce-first-as>true</enforce-first-as>
  <fast-external-fallover>true</fast-external-fallover>
  <timers y:self="/rest/config/running/router/bgp/default/timers">
    <keep-alive>65</keep-alive>
    <hold-time>170</hold-time>
  </timers>
  <log-dampening-debug>true</log-dampening-debug>
  <auto-shutdown-new-neighbors>true</auto-shutdown-new-neighbors>
  <confederation y:self="/rest/config/running/router/bgp/default/confederation">
    <identifier>20000</identifier>
    <peers>100 120 130 140 1200 2300 5600 40000</peers>
  </confederation>
  <bfd xmlns="urn:brocade.com:mgmt:brocade-bgp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/router/bgp/bfd">
    <holdover-interval>10</holdover-interval>
    <interval xmlns="urn:brocade.com:mgmt:brocade-bfd" y:self="/rest/config/running/router/bgp/bfd/interval">
      <min-tx>75</min-tx>
      <min-rx>80</min-rx>
      <multiplier>3</multiplier>
    </interval>
  </bfd>
  <neighbor y:self="/rest/config/running/router/bgp/default/neighbor/INTERNAL">
    <address>INTERNAL</address>
  </neighbor>
```

```

<neighbor y:self="/rest/config/running/router/bgp/default/neighbor/PeerGroup1">
  <address>PeerGroup1</address>
</neighbor>
<neighbor xmlns="urn:brocade.com:mgmt:brocade-bgp" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/router/bgp/neighbor">
  <neighbor-peer-grp y:self="/rest/config/running/router/bgp/neighbor/neighbor-peer-grp/peer1">
    <address>peer1</address>
    <bfd y:self="/rest/config/running/router/bgp/neighbor/neighbor-peer-grp/peer1/bfd">
      <holdover-interval>10</holdover-interval>
      <interval xmlns="urn:brocade.com:mgmt:brocade-bfd" y:self="/rest/config/running/router/bgp/
neighbor/neighbor-peer-grp/peer1/bfd/interval">
        <min-tx>70</min-tx>
        <min-rx>60</min-rx>
        <multiplier>10</multiplier>
      </interval>
    </bfd>
  </neighbor-peer-grp>
  <neighbor-ipv6-addr y:self="/rest/config/running/router/bgp/neighbor/neighbor-ipv6-addr/2004:384d::
21:22">
    <address>2004:384d::21:22</address>
    <bfd y:self="/rest/config/running/router/bgp/neighbor/neighbor-ipv6-addr/2004:384d::21:22/bfd">
      <holdover-interval>25</holdover-interval>
      <interval xmlns="urn:brocade.com:mgmt:brocade-bfd" y:self="/rest/config/running/router/bgp/
neighbor/neighbor-ipv6-addr/2004:384d::21:22/bfd/interval">
        <min-tx>60</min-tx>
        <min-rx>60</min-rx>
        <multiplier>40</multiplier>
      </interval>
    </bfd>
  </neighbor-ipv6-addr>
  <neighbor-addr xmlns="urn:brocade.com:mgmt:brocade-bgp" y:self="/rest/config/running/router/bgp/
neighbor/neighbor-addr/1.1.1.1">
    <address>1.1.1.1</address>
    <ebgp-btsh></ebgp-btsh>
    <bfd y:self="/rest/config/running/router/bgp/neighbor/neighbor-addr/1.1.1.1/bfd">
      <holdover-interval>20</holdover-interval>
      <interval xmlns="urn:brocade.com:mgmt:brocade-bfd" y:self="/rest/config/running/router/bgp/
neighbor/neighbor-addr/1.1.1.1/bfd/interval">
        <min-tx>5000</min-tx>
        <min-rx>3000</min-rx>
        <multiplier>4</multiplier>
      </interval>
    </bfd>
  </neighbor-addr>
</neighbor>
<neighbor y:self="/rest/config/running/router/bgp/default/neighbor/VCS_8192">
  <address>VCS_8192</address>
</neighbor>
<address-family y:self="/rest/config/running/router/bgp/default/address-family">
  <ipv4 y:self="/rest/config/running/router/bgp/default/address-family/ipv4">
    <unicast y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast">
      <bgp-redistribute-internal>true</bgp-redistribute-internal>
      <redistribute y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
redistribute">
        <connected y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
redistribute/connected">
          <redistribute-connected>true</redistribute-connected>
          <metric>23</metric>
          <route-map>routel</route-map>
        </connected>
        <ospf y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
redistribute/ospf">
          <redistribute-ospf>true</redistribute-ospf>
          <match y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
redistribute/ospf/match"/>
            <metric>26</metric>
          </ospf>
          <static y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
redistribute/static">
            <redistribute-static>true</redistribute-static>
            <metric>30</metric>
            <route-map>routel</route-map>
          </static>
        </redistribute>
      </unicast>
    </ipv4>
  </address-family>

```

```

    </static>
  </redistribute>
  <aggregate-address y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
aggregate-address/%2210.11.12.0/24%22">
    <aggregate-ip-prefix>10.11.12.0/24</aggregate-ip-prefix>
    <advertise-map>map2</advertise-map>
    <as-set>true</as-set>
    <attribute-map>map2</attribute-map>
    <summary-only>true</summary-only>
    <suppress-map>map1</suppress-map>
  </aggregate-address>
  <neighbor y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/neighbor/
INTERNAL">
    <address>INTERNAL</address>
  </neighbor>
  <neighbor y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/neighbor/
10.11.132.7">
    <address>10.11.132.7</address>
  </neighbor>
  <neighbor xmlns="urn:brocade.com:mgmt:brocade-bgp" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/neighbor">
    <af-ipv4-neighbor-address y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/
neighbor/af-ipv4-neighbor-address/1.1.1.1">
      <address>1.1.1.1</address>
      <activate>true</activate>
    </af-ipv4-neighbor-address>
  </neighbor>
  <neighbor xmlns="urn:brocade.com:mgmt:brocade-bgp" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/neighbor">
    <af-ipv4-neighbor-address xmlns="urn:brocade.com:mgmt:brocade-bgp" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/neighbor/af-
ipv4-neighbor-address/10.10.10.1">
      <address>10.10.10.1</address>
      <route-reflector-client>true</route-reflector-client>
      <additional-paths y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/
neighbor/af-ipv4-neighbor-address/10.10.10.1/additional-paths">
        <advertise y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/
neighbor/af-ipv4-neighbor-address/10.10.10.1/additional-paths/advertise">
          <best>1</best>
        </advertise>
      </additional-paths>
      <capability y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/neighbor/af-
ipv4-neighbor-address/10.10.10.1/capability">
        <additional-paths y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/
neighbor/af-ipv4-neighbor-address/10.10.10.1/capability/additional-paths">
          <add-path-both>true</add-path-both>
          <receive>true</receive>
        </additional-paths>
      </capability>
    </af-ipv4-neighbor-address>
  </neighbor>
  <network y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/network/
%2210.11.12.0/24%22">
    <network-ipv4-address>10.11.12.0/24</network-ipv4-address>
    <weight>100</weight>
    <backdoor>true</backdoor>
    <route-map>map1</route-map>
  </network>
  <static-network y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
static-network/%2210.10.12.0/24%22">
    <static-network-address>10.10.12.0/24</static-network-address>
    <distance>10</distance>
  </static-network>
  <maximum-paths y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
maximum-paths">
    <ebgp>2</ebgp>
    <ibgp>3</ibgp>
    <use-load-sharing>true</use-load-sharing>
  </maximum-paths>
  <multipath y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
multipath">
    <ibgp>true</ibgp>

```

```

    <multi-as>true</multi-as>
  </multipath>
  <always-propagate>true</always-propagate>
  <default-information-originate>true</default-information-originate>
  <rib-route-limit>2000</rib-route-limit>
  <dampening y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
dampening">
    <half-time>20</half-time>
    <reuse-value>755</reuse-value>
    <start-suppress-time>2100</start-suppress-time>
    <max-suppress-time>45</max-suppress-time>
  </dampening>
  <default-metric>1</default-metric>
  <table-map y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/table-
map"/>
  <update-time>10</update-time>
  <graceful-restart y:self="/rest/config/running/router/bgp/default/address-family/ipv4/unicast/
graceful-restart">
    <restart-time>250</restart-time>
    <purge-time>200</purge-time>
    <stale-routes-time>300</stale-routes-time>
  </graceful-restart>
  <vrf y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/vrf/red">
    <vrf-name>red</vrf-name>
    <redistribute y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/vrf/red/
redistribute">
      <bgp y:self="/rest/config/running/router/bgp/address-family/ipv4/unicast/vrf/red/
redistribute/bgp">
        <metric>250</metric>
        <route-map>map1</route-map>
      </bgp>
    </redistribute>
  </vrf>
</unicast>
</ipv4>
<ipv6 y:self="/rest/config/running/router/bgp/default/address-family/ipv6">
  <unicast y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast">
    <bgp-redistribute-internal>true</bgp-redistribute-internal>
    <redistribute y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
redistribute">
      <connected y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
redistribute/connected">
        <redistribute-connected>true</redistribute-connected>
        <metric>23</metric>
      </connected>
      <ospf y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
redistribute/ospf">
        <redistribute-ospf>true</redistribute-ospf>
        <match y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
redistribute/ospf/match"/>
          <metric>34</metric>
        </ospf>
        <static y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
redistribute/static">
          <redistribute-static>true</redistribute-static>
          <metric>45</metric>
          <route-map>redist107_1</route-map>
        </static>
      </redistribute>
      <aggregate-address y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
aggregate-address/%22fd80:122:122:122::/64%22">
        <aggregate-ip-prefix>fd80:122:122:122::/64</aggregate-ip-prefix>
      </aggregate-address>
      <network y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/network/
%22131::1/128%22">
        <network-ipv6-address>131::1/128</network-ipv6-address>
      </network>
      <network y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/network/
%22fd80:122:122:122:105:105:0:122/128%22">
        <network-ipv6-
address>fd80:122:122:122:105:105:0:122/128</network-ipv6-address>
      </network>
      <neighbor y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/neighbor/

```

```

vcs_2122">
  <address>vcs_2122</address>
</neighbor>
  <neighbor y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/neighbor/
VCS_8192_rr">
  <address>VCS_8192_rr</address>
</neighbor>
  <neighbor y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/neighbor/
fd80:2001:2040::40">
  <address>fd80:2001:2040::40</address>
</neighbor>
  <neighbor xmlns="urn:brocade.com:mgmt:brocade-bgp" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/neighbor">
  <af-ipv6-neighbor-address y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124">
  <address>2001:2018:8192::124</address>
  <send-community y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/send-community">
  </send-community>
  <capability y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/neighbor/af-
ipv6-neighbor-address/2001:2018:8192::124/capability">
  <orf y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/neighbor/af-ipv6-
neighbor-address/2001:2018:8192::124/capability/orf">
  <prefixlist y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/capability/orf/prefixlist">
  </prefixlist>
  </orf>
  <additional-paths y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/capability/additional-paths">
  </additional-paths>
  </capability>
  <additional-paths y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/additional-paths">
  <advertise y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/additional-paths/advertise">
  </advertise>
  </additional-paths>
  <activate>true</activate>
  <allowas-in>3</allowas-in>
  <enable-peer-as-check>true</enable-peer-as-check>
  <filter-list y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/filter-list">
  </filter-list>
  <maximum-prefix y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/maximum-prefix">
  </maximum-prefix>
  <default-originate y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/default-originate">
  </default-originate>
  <prefix-list y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/prefix-list">
  </prefix-list>
  <route-map y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/neighbor/af-
ipv6-neighbor-address/2001:2018:8192::124/route-map">
  <in y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/neighbor/af-ipv6-
neighbor-address/2001:2018:8192::124/route-map/in">
  </in>
  <out y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/neighbor/af-ipv6-
neighbor-address/2001:2018:8192::124/route-map/out">
  </out>
  </route-map>
  <unsuppress-map y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/
neighbor/af-ipv6-neighbor-address/2001:2018:8192::124/unsuppress-map">
  </unsuppress-map>
  </af-ipv6-neighbor-address>
</neighbor>
  <maximum-paths y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
maximum-paths">
  <ebgp>2</ebgp>
  <ibgp>2</ibgp>
  <use-load-sharing>true</use-load-sharing>
</maximum-paths>

```

```

    <multipath y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
multipath"/>
    <always-propagate>true</always-propagate>
    <default-information-originate>true</default-information-originate>
    <rib-route-limit>1000</rib-route-limit>
    <dampening y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
dampening"/>
    <half-time>30</half-time>
    <reuse-value>1100</reuse-value>
    <start-suppress-time>2100</start-suppress-time>
    <max-suppress-time>45</max-suppress-time>
    </dampening>
    <default-metric>2</default-metric>
    <table-map y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/table-
map"/>
    <update-time>10</update-time>
    <graceful-restart y:self="/rest/config/running/router/bgp/default/address-family/ipv6/unicast/
graceful-restart"/>
    <restart-time>1400</restart-time>
    <purge-time>1200</purge-time>
    <stale-routes-time>1600</stale-routes-time>
    </graceful-restart>
    <vrf y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/vrf/vrf1"/>
    <vrf-name>vrf1</vrf-name>
    <redistribute y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/vrf/vrf1/
redistribute"/>
    <bgp y:self="/rest/config/running/router/bgp/address-family/ipv6/unicast/vrf/vrf1/
redistribute/bgp"/>
    <metric>500</metric>
    <route-map>map2</route-map>
    </bgp>
    </redistribute>
    </vrf>
    </unicast>
  </ipv6>
</address-family>
</bgp>

```

The following is an example of the POST operation to configure neighbor.

URI

http://host:80/rest/config/running/router/bgp/neighbor

Request Body

```

<neighbor-peer-grp>
  <address>peerGroup1</address>
  <peer-group>true</peer-group>
</neighbor-peer-grp>

```

Response Body

None

The following is an example of the DELETE to remove router BGP configuration.

URI

http://host:80/rest/config/running/router/bgp

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

router/isis

Configures IS-IS protocol.

Resource URIs

URI	Description
<base_URI>/config/running/router/isis	Configures IS-IS protocol.

GET URIs	Description
<base_URI>/config/running/router/isis	Enables IS-IS.
<base_URI>/config/running/router/isis/net/{net-cmd}	Defines NSAP address.
<base_URI>/config/running/router/isis/auth-check	Authenticate incoming PDUs for LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-check/level-1	Authenticate incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-check/level-1/disable	Disables authentication of incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-check/level-2	Authenticate incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-check/level-2/disable	Disables the authenticate incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-mode	Define authentication mode.
<base_URI>/config/running/router/isis/auth-mode/md5	HMAC-MD5 authentication.
<base_URI>/config/running/router/isis/auth-mode/md5/level-1	Authentication mode for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-mode/md5/level-2	Authentication mode for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-key	Define authentication key
<base_URI>/config/running/router/isis/auth-key/level-1	Auth-key for Level-1 ISIS Router
<base_URI>/config/running/router/isis/auth-key/level-2	Auth-key for Level-2 ISIS Router
<base_URI>/config/running/router/isis/csnp-interval	Rate of transmission of CSNPs
<base_URI>/config/running/router/isis/disable-inc-stct-spf-opt	Disables Incremental Shortcut SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis/disable-incremental-spf-opt	Disables Incremental SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis/disable-partial-spf-opt	Disables Partial SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis/fast-flood	Defines the number of LSPs to be flooded before SPF Run
<base_URI>/config/running/router/isis/fast-flood/fast-flood-value	The number of LSPs to be flooded before SPF Run. Range is 1-15; default is 4
<base_URI>/config/running/router/isis/graceful-restart	Enables the ISIS graceful restart capability
<base_URI>/config/running/router/isis/graceful-restart/helper-disable	Disables Helper Mode
<base_URI>/config/running/router/isis/hostname	Integrated IS-IS dynamic hostname
<base_URI>/config/running/router/isis/hostname/disable	Disables integrated IS-IS dynamic hostname
<base_URI>/config/running/router/isis/is-type	Define inter-area/intra area operation mode
<base_URI>/config/running/router/isis/log	Enable Logging IS-IS activities
<base_URI>/config/running/router/isis/log/adjacency	Logging Adjacency Changes
<base_URI>/config/running/router/isis/log/invalid-lsp-packets	Logging Invalid LSP Packets
<base_URI>/config/running/router/isis/lsp-gen-interval	Minimum interval between regenerating same LSP

GET URIs	Description
<base_URI>/config/running/router/isis/lsp-interval	Rate of transmission of LSPs
<base_URI>/config/running/router/isis/lsp-refresh-interval	LSP refresh interval
<base_URI>/config/running/router/isis/max-lsp-lifetime	Maximum LSP lifetime
<base_URI>/config/running/router/isis/nonstop-routing	Enables the ISIS nonstop routing capability
<base_URI>/config/running/router/isis/partial-spf-interval	Partial SPF Calculation Timers
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-max-hold-time	Max hold time (msec) between two PSPF calculations. Range is 0-120000. Default is 5000.
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-init-delay	Initial delay (msec) between receiving a LSP change to PSPF calculation. Range is 0-120000. Default is 2000.
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-hold-time	Hold time (msec) between two PSPF calculations. 0-120000. Default is 5000
<base_URI>/config/running/router/isis/retransmit-interval	Time between retransmission of LSP.
<base_URI>/config/running/router/isis/set-debug	Enabling isis debug configuration.
<base_URI>/config/running/router/isis/set-debug/nsr	Sets nsr debug.
<base_URI>/config/running/router/isis/set-overload-bit	Configures a device to signal other devices not to use it as an intermediate hop in their shortest path first (SPF) calculations if an IS's resources are overloaded and are preventing the IS from properly performing IS-IS routing.
<base_URI>/config/running/router/isis/set-overload-bit/on-startup	Set overload-bit only temporarily on reboot.
<base_URI>/config/running/router/isis/spf-interval/level-1	SPF calculation Timers
<base_URI>/config/running/router/isis/reverse-metric	Configure IS-IS reverse metric at the router level.
<base_URI>/config/running/router/isis/reverse-metric/reverse_metric_tlv	Configure reverse metric TLV.
<base_URI>/config/running/router/isis/reverse-metric/tlv-type	Configure reverse metric TLV type.
<base_URI>/config/running/router/isis/reverse-metric/rev-metric-val	Configure IS-IS reverse metric value.
<base_URI>/config/running/router/isis/reverse-metric/whole-lan	Change metric for whole LAN.
<base_URI>/config/running/router/isis/reverse-metric/te-def-metric	Update TE default metric sub-tlv.
<base_URI>/config/running/router/isis/address-family	Enter Address Family command mode.
<base_URI>/config/running/router/isis/address-family/ipv4	IPv4 address Family.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast	IPv4 unicast address Family.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style	Use narrow or wide metric type.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide	Use new style of TLVs to carry wider metric.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide/level-1	Level-1 only.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide/level-2	Level-2 only.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/summary-address/{summary-ip}/{summary-ip-mask}	Configure Integrated IS-IS address summaries
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/summary-address/{summary-ip}/{summary-ip-mask}/level-1	Configure Integrated IS-IS address summaries.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/ldp-sync	Enable LDP-SYNC on all eligible ISIS interfaces.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/ldp-sync/hold-down	Length (in seconds) of hold-down timer. Range is 1-65535.

GET URIs	Description
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric	Default Link Metric.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric/level-1	Default Link Metric for Level-1.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric/level-2	Default Link Metric for Level-2.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate	Controls origination of default route.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/route-map	Uses route map.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/default-information-originate-cr	Controls origination of default route.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-metric	Metric for route redistribution.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/distance	Defines an administrative distance.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/maximum-paths	Calculates multiple paths.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute	Redistributes information from another routing protocol.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected	Redistributes information from connected routing protocol.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/metric	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/route-map	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/metric-type	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf	Specifies the OSPF protocol.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match	Redistribution of OSPF routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/internal	Internal routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/external1	External type 1 routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/external2	External type 2 routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/metric	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/route-map	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/metric-type	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static	Static routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/metric	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/route-map	Route map reference.

GET URIs	Description
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/metric-type	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp	BGP routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/metric	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/route-map	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/metric-type	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis	ISIS routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-1	Level-1 routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-1/into	Level-1 routes information.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-1/into/level-2	Level-1 routes into Level-2
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2	Level-2 routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into	Level-2 routes into level-1.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into/level-1	Level-2 routes into Level-1
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into/level-1/prefix-list	Select routes using prefix-list.
<base_URI>/config/running/router/isis/address-family/ipv6	IPv6 address Family.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast	IPv6 unicast address Family.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/disable-adjacency-check	Disables IPv6 Support consistency check.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/summary-prefix/{summary-prefix-ipv6}	Configure Integrated IS-IS address summaries
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/summary-prefix/{summary-prefix-ipv6}/level-2	Configure Integrated IS-IS address summaries for Level-2.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-link-metric	Default Link Metric.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-link-metric/level-1	Default Link Metric for Level-1.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-link-metric/level-2	Default Link Metric for Level-2.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/multi-topology	Enable/disable ISIS multi-topology extension for this address family.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/multi-topology/transition	Accept and generate both ISIS IPv6 and Multi-topology IPv6 TLVs.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/spf-interval/level-1	SPF calculation Timers
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval	Partial SPF Calculation Timers.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-max-hold-time	Max hold time (msec) between two PSPF calculations. Range is 0-120000. Default is 5000.

GET URIs	Description
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-init-delay	Initial delay (msec) between receiving a LSP change to PSPF calculation. Range is 0-120000. Default is 2000.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-hold-time	Hold time (msec) between two PSPF calculations. Range is 0-120000. Default is 5000.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate	Control origination of default route.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate/route-map	Use route map.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate/default-information-originate-cr	Control origination of default route.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-metric	Metric for route redistribution.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/distance	Define an administrative distance.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/maximum-paths	Calculate multiple paths.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute	Redistribute information from another routing protocol.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected	Connected.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/metric	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/route-map	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/metric-type	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf	Open Shortest Path First.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match	Redistribution of OSPF routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/internal	Internal routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/external1	External type 1 routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/external2	External type 2 routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/metric	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/route-map	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/metric-type	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static	Static routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/metric	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/route-map	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/metric-type	IS-IS metric type for redistributed routes.

GET URIs	Description
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp	Bgp routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/metric	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/route-map	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/metric-type	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis	ISIS routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-1	Level-1 routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-1/into	Level-1 routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-1/into/level-2	Level-1 routes into Level-2.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2	Level-2 routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into	Level-2 routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into/level-1	Level-2 routes into Level-1.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into/level-1/prefix-list	Select routes using prefix-list.

POST URIs	Payload	Description
<base_URI>/config/running/router	<isis />	Configures IS-IS Protocol (ISIS).
<base_URI>/config/running/router/isis	<net><net-cmd>{net-cmd}</net-cmd></net>	Define NSAP address
<base_URI>/config/running/router/isis/fast-flood/	<fast-flood-value> {unit32} < /fast-flood-value >	Define number of LSPs to be flooded before SPF Run
<base_URI>/config/running/router/isis	<set-overload-bit></set-overload-bit>	Configures a device to signal other devices not to use it as an intermediate hop in their shortest path first (SPF) calculations if an IS's resources are overloaded and are preventing the IS from properly performing IS-IS routing.
<base_URI>/config/running/router/isis	<spf-interval><spf-interval-level>level-1</spf-interval-level><spf-interval-max-hold-time>{unit32}</spf-interval-max-hold-time><spf-interval-initial-delay>{unit32}</spf-interval-initial-delay><spf-interval-hold-time>{unit32}</spf-interval-hold-time></spf-interval>	SPF calculation Timers.
<base_URI>/config/running/router/isis	<reverse-metric></reverse-metric>	Configure IS-IS reverse metric at the router level.
<base_URI>/config/running/router/isis/address-family/ipv4	<unicast />	IPv4 unicast address Family
<base_URI>/config/running/router/isis/address-family/ipv4/unicast	<summary-address><summary-ip>{inet:ipv4-address}</summary-ip><summary-ip-mask>{inet:ipv4-address}</summary-ip->	Configures Integrated IS-IS address summaries.

POST URIs	Payload	Description
	mask<Level-1>{enumeration}</Level-1></summary-address>	
<base_URI>/config/running/router/isis/address-family/ipv4/unicast	<ldp-sync></ldp-sync>	Enable LDP-SYNC on all eligible ISIS interfaces
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute	<connected></connected>	Redistributes information from connected routing protocol.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute	<ospf></ospf>	Specifies the OSPF protocol.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute	<static></static>	Specifies the source protocol (static) from which routes are being redistributed.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute	<bgp></bgp>	Specifies the source protocol (BGP) from which routes are being redistributed.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into	<level-1 />	Redistributes Level 2 routes into Level 1.
<base_URI>/config/running/router/isis/address-family/ipv6	<unicast />	IPv6 unicast address Family
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/	<summary-prefix><summary-prefix-ipv6>{common-def:ipv6-address-prefix}</summary-prefix-ipv6><Level-1>true</Level-1></summary-prefix>	Configure Integrated IS-IS address summaries
<base_URI>/config/running/router/isis/address-family/ipv6/unicast	<multi-topology></multi-topology>	Enables ISIS multi-topology extension for the address family
<base_URI>/config/running/router/isis/address-family/ipv6/unicast	<spf-interval><spf6-interval-level>{enumeration}</spf6-interval-level><spf6-interval-max-hold-time>{unit32}</spf6-interval-max-hold-time><spf6-interval-initial-delay>{unit32}</spf6-interval-initial-delay><spf6-interval-hold-time>{unit32}</spf6-interval-hold-time></spf-interval>	SPF calculation Timers
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/	<connected></connected>	Redistributes information from connected routing protocol.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute	<ospf></ospf>	Specifies the OSPF protocol.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static	<static></static>	Specifies the source protocol (static) from which routes are being redistributed.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/	<bgp></bgp>	Specifies the source protocol (BGP) from which routes are being redistributed.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into/	<level-1></level-1>	Redistributes Level 2 routes into Level 1.

PUT URIs	Payload	Description
<base_URI>/config/running/router/isis/auth-check/level-1/disable	<disable>{enumeration}</disable>	Disables authentication of incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-check/level-2/disable	<disable>{enumeration}</disable>	Disables the authentication of incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-mode/md5/level-1	<level-1>{enumeration}</level-1>	Authentication mode for Level-1 LSPs, CSNP, and PSNP.

PUT URIs	Payload	Description
<base_URI>/config/running/router/isis/auth-mode/md5/level-2	<level-2>{enumeration}</level-2>	Authentication mode for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-key/level-1	<level-1>string</level-1>	Auth-key for Level-1 ISIS Router
<base_URI>/config/running/router/isis/auth-key/level-2	<level-2>string</level-2>	Auth-key for Level-2 ISIS Router
<base_URI>/config/running/router/isis/csnp-interval	<csnp-interval>{unit32}</csnp-interval>	Rate of transmission of CSNPs
<base_URI>/config/running/router/isis/disable-incremental-spf-opt	<disable-incremental-spf-opt>{enumeration}</disable-incremental-spf-opt>	Disables Incremental SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis/disable-inc-stct-spf-opt	<disable-inc-stct-spf-opt>{enumeration}</disable-inc-stct-spf-opt>	Disables Incremental Shortcut SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis/disable-partial-spf-opt	<disable-partial-spf-opt>{enumeration}</disable-partial-spf-opt>	Disables Partial SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis/fast-flood/fast-flood-value	<fast-flood-value>{unit32}</fast-flood-value>	Defines the number of LSPs to be flooded before SPF Run
<base_URI>/config/running/router/isis/graceful-restart/helper-disable	<helper-disable>{enumeration}</helper-disable>	Disables Helper Mode
<base_URI>/config/running/router/isis/hostname/disable	<disable>{enumeration}</disable>	Disables integrated IS-IS dynamic hostname
<base_URI>/config/running/router/isis/is-type	<is-type>level-1</is-type>	Define inter-area/intra area operation mode
<base_URI>/config/running/router/isis/log/adjacency	<adjacency>{enumeration}</adjacency>	Logging Adjacency Changes
<base_URI>/config/running/router/isis/log/invalid-lsp-packets	<invalid-lsp-packets>{enumeration}</invalid-lsp-packets>	Logging Invalid LSP Packets
<base_URI>/config/running/router/isis/lsp-gen-interval	<lsp-gen-interval >{unit32}</lsp-gen-interval >	Minimum interval between regenerating same LSP
<base_URI>/config/running/router/isis/lsp-interval	<lsp-interval>{unit32}</lsp-interval>	Rate of transmission of LSPs
<base_URI>/config/running/router/isis/lsp-refresh-interval	<lsp-refresh-interval>{unit32}</lsp-refresh-interval>	LSP refresh interval
<base_URI>/config/running/router/isis/max-lsp-lifetime	<max-lsp-lifetime>{unit32}</max-lsp-lifetime>	Maximum LSP lifetime
<base_URI>/config/running/router/isis/nonstop-routing	<nonstop-routing>{enumeration}</nonstop-routing>	Enables the ISIS nonstop routing capability
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-max-hold-time	<pspf-max-hold-time>{unit32}</pspf-max-hold-time>	Max hold time (msec) between two PSPF calculations. Range is 0-120000. Default is 5000.
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-init-delay	<pspf-init-delay>{unit32}</pspf-init-delay>	Initial delay (msec) between receiving a LSP change to PSPF calculation. Range is 0-120000. Default is 2000.
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-hold-time	<pspf-hold-time>{unit32}</pspf-hold-time>	Hold time (msec) between two PSPF calculations. 0-120000. Default is 5000
<base_URI>/config/running/router/isis/retransmit-interval	<retransmit-interval>{unit32}</retransmit-interval>	Time between retransmission of LSP.
<base_URI>/config/running/router/isis/set-debug/nsr	<nsr>{enumeration}</nsr>	Sets nsr debug.

PUT URIs	Payload	Description
<base_URI>/config/running/router/isis/set-overload-bit/on-startup/on-startup-overloadtime	<on-startup-overloadtime>{unit32}</on-startup-overloadtime>	Time in seconds to stay in overloaded state on reboot
<base_URI>/config/running/router/isis/reverse-metric/tlv-type	<tlv-type>{unit32}</tlv-type>	Configure reverse metric TLV type.
<base_URI>/config/running/router/isis/reverse-metric/rev-metric-val	<rev-metric-val>{unit32}</rev-metric-val>	Configure IS-IS reverse metric value.
<base_URI>/config/running/router/isis/reverse-metric/whole-lan	<whole-lan>{enumeration}</whole-lan>	Change metric for whole LAN.
<base_URI>/config/running/router/isis/reverse-metric/te-def-metric	<te-def-metric>{enumeration}</te-def-metric>	Update TE default metric sub-tlv
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide/level-1	<level-1>{enumeration}</level-1>	Level-1 only.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide/level-2	<level-2>{enumeration}</level-2>	Level-2 only.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/summary-address/{summary-ip}/{summary-ip-mask}/Level-1	<Level-1>{enumeration}</Level-1>	Configure Integrated IS-IS address summaries.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/ldp-sync/hold-down	<hold-down>{unit32}</hold-down>	Length (in seconds) of hold-down timer. Range is 1-65535.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric/level-1	<level-1>{unit32}</level-1>	Default Link Metric for Level-1.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric/level-2	<level-2>{unit32}</level-2>	Default Link Metric for Level-2.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/default-information-originate-cr	<default-information-originate-cr>{enumeration}</default-information-originate-cr>	Controls origination of default route.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/route-map	<route-map>{name}</routemap>	Uses route map.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-metric	<default-metric>{unit32}</default-metric>	Metric for route redistribution.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/distance	<distance>{unit32}</distance>	Defines an administrative distance.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/maximum-paths	<maximum-paths>{unit32}</maximum-paths>	Calculates multiple paths.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/metric	<metric>{unit32}</metric>	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/metric-type	<metric-type>internal</metric-type>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/route-map	<route-map>{string}</route-map>	Route map reference.

PUT URIs	Payload	Description
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/internal	<internal>{enumeration}</internal>	Internal routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/external1	<external1>{enumeration}</external1>	External type 1 routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/external2	<external2>{enumeration}</external2>	External type 2 routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/metric	<metric>{unit32}</metric>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/route-map	<route-map>route-map-static</route-map>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/metric-type	<metric-type>external</metric-type>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/metric	<metric>{unit32}</metric>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/metric-type	<metric-type>external</metric-type>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/route-map	<route-map>{string}</route-map>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only

PUT URIs	Payload	Description
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/static/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/metric	<metric>{unit32}</metric>	Metric for redistributed routes
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/metric-type	<metric-type>external</metric-type>	IS-IS metric type for redistributed routes.
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/route-map	<route-map>{string}</route-map>	Route map reference
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into/level-1/prefix-list	<prefix-list>isis-route-l2tol1</prefix-list>	Selects routes using prefix-list
<base_URI>config/running/router/isis/address-family/ipv6/unicast/disable-adjacency-check	<disable-adjacency-check >{enumeration}< / disable-adjacency-check >	Disables IPv6 Support consistency check
<base_URI>config/running/router/isis/address-family/ipv6/unicast/summary-prefix/{summary-prefix-ipv6}/Level-2	<Level-2>{enumeration}</Level-2>	Configures Integrated IS-IS address summaries for Level-2.
<base_URI>config/running/router/isis/address-family/ipv6/unicast/default-link-metric/level-1	<level-1>{unit32}</level-1>	IS-IS Level-1 routes only
<base_URI>config/running/router/isis/address-family/ipv6/unicast/default-link-metric/level-2	<level-2>{unit32}</level-2>	IS-IS Level-2 routes only
<base_URI>config/running/router/isis/address-family/ipv6/unicast/multi-topology/transition	<transition>{enumeration}</transition>	Accept and generate both ISIS IPv6 and Multi-topology IPv6 TLVs
<base_URI>config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-max-hold-time	<pspf-max-hold-time>{unit32}</pspf-max-hold-time>	Maximum hold time (msec) between two PSPF calculations
<base_URI>config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-init-delay	<pspf-init-delay>{unit32}</pspf-init-delay>	Initial delay (msec) between receiving a LSP change to PSPF calculation
<base_URI>config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-hold-time	<pspf-hold-time>{unit32}</pspf-hold-time>	Hold time (msec) between two PSPF calculations
<base_URI>config/running/router/isis/address-family/ipv6/unicast/default-information-originate-cr	<default-information-originate-cr>{enumeration}</default-information-originate-cr>	Controls origination of default route.

PUT URIs	Payload	Description
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate/route-map	<route-map>route-map-static</route-map>	Uses route map.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-metric	<default-metric>{unit32}</default-metric>	Metric for route redistribution.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/distance	<distance>{unit32}</distance>	Defines an administrative distance.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/maximum-paths	<maximum-paths>{unit32}</maximum-paths>	Calculates multiple paths.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/metric	<metric>{unit32}</metric>	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/route-map	<route-map>route-map-static</route-map>	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/metric-type	<metric-type>external</metric-type>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/internal	<internal>{enumeration}</internal>	Internal routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/external1	<external1>{enumeration}</external1>	External type 1 routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/external2	<external2>{enumeration}</external2>	External type 2 routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/metric	<metric>{unit32}</metric>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/route-map	<route-map>ipv6-restapi</route-map>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/metric-type	<ospf><metric-type>external</metric-type></ospf>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only

PUT URIs	Payload	Description
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/metric	<metric>{unit32}</metric>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/route-map	<route-map>route-map-static</route-map>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/metric-type	<metric-type>external</metric-type>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/metric	<metric>{unit32}</metric>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/route-map	<route-map>route-map-static</route-map>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/metric-type	<metric-type>external</metric-type>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into/level-1/prefix-list	<prefix-list>isiv6-route-l2to1</prefix-list>	Selects routes using prefix-list.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/isis/auth-check/level-1	<level-1><disable>{enumeration}</disable></level-1>	Disables authentication of incoming PDUs for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-check/level-2	<level-2><disable>{enumeration}</disable></level-2>	Disables the authentication of incoming PDUs for Level-2 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-mode/md5	<md5><level-1>{enumeration}</level-1></md5>	Authentication mode for Level-1 LSPs, CSNP, and PSNP.
<base_URI>/config/running/router/isis/auth-mode/md5	<md5><level-2>{enumeration}</level-2></md5>	Authentication mode for Level-2 LSPs, CSNP, and PSNP.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/isis/auth-key	<auth-key><level-1>{string}</level-1></auth-key>	Auth-key for Level-1 ISIS Router
<base_URI>/config/running/router/isis/auth-key	<auth-key><level-2>{string}</level-2></auth-key>	Auth-key for Level-2 ISIS Router
<base_URI>/config/running/router/isis	<isis><csnp-interval>{unit32}</csnp-interval></isis>	Rate of transmission of CSNPs
<base_URI>/config/running/router/isis	<isis><disable-inc-stct-spf-opt>{enumeration}</disable-inc-stct-spf-opt></isis>	Disables Incremental Shortcut SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis	<isis><disable-incremental-spf-opt>{enumeration}</disable-incremental-spf-opt></isis>	Disables Incremental SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis	<isis><disable-partial-spf-opt>{enumeration}</disable-partial-spf-opt></isis>	Disables Partial SPF Optimizations; resorts to Full SPF
<base_URI>/config/running/router/isis/fast-flood	<fast-flood><fast-flood-value>{unit32}< /fast-flood-value > </fast-flood>	Defines the number of LSPs to be flooded before SPF Run
<base_URI>/config/running/router/isis/graceful-restart	<graceful-restart><helper-disable>{enumeration}</helper-disable></ graceful-restart>	Disables Helper Mode
<base_URI>/config/running/router/isis/hostname	<hostname><disable>{enumeration}</ disable></hostname>	Disables integrated IS-IS dynamic hostname
<base_URI>/config/running/router/isis	<isis><is-type>level-1</is-type></isis>	Define inter-area/intra area operation mode
<base_URI>/config/running/router/isis/log/	<log><adjacency>{enumeration}</ adjacency></log>	Logging Adjacency Changes
<base_URI>/config/running/router/isis/log/	<log><invalid-lsp-packets>{enumeration}</ invalid-lsp-packets></log>	Logging Invalid LSP Packets
<base_URI>/config/running/router/isis	<isis><lsp-gen-interval>{unit32}</lsp-gen-interval></isis>	Minimum interval between regenerating same LSP
<base_URI>/config/running/router/isis	<isis><lsp-interval>{unit32}</lsp-interval></ isis>	Rate of transmission of LSPs
<base_URI>/config/running/router/isis	<isis><lsp-refresh-interval>{unit32}</lsp-refresh-interval></isis>	LSP refresh interval
<base_URI>/config/running/router/isis	<isis><max-lsp-lifetime>{unit32}</max-lsp-lifetime></isis>	Maximum LSP lifetime
<base_URI>/config/running/router/isis	<isis><nonstop-routing>{enumeration}</ nonstop-routing></isis>	Enables the ISIS nonstop routing capability
<base_URI>/config/running/router/isis/partial-spf-interval	<partial-spf-interval><pspf-max-hold-time>{unit32}</pspf-max-hold-time></ partial-spf-interval>	Max hold time (msec) between two PSPF calculations. Range is 0-120000. Default is 5000.
<base_URI>/config/running/router/isis/partial-spf-interval	<partial-spf-interval><pspf-init-delay>{unit32}</pspf-init-delay></partial-spf-interval>	Initial delay (msec) between receiving a LSP change to PSPF calculation. Range is 0-120000. Default is 2000.
<base_URI>/config/running/router/isis/partial-spf-interval	<partial-spf-interval><pspf-hold-time>{unit32}</pspf-hold-time></partial-spf-interval>	Hold time (msec) between two PSPF calculations. 0-120000. Default is 5000
<base_URI>/config/running/router/isis	<isis><retransmit-interval>{unit32}</ retransmit-interval></isis>	Time between retransmission of LSP.
<base_URI>/config/running/router/isis/set-debug	<set-debug><nsr>{enumeration}</nsr></set-debug>	Sets nsr debug.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/isis/spf-interval/level-1	<spf-interval><spf-interval-max-hold-time>{unit32}</spf-interval-max-hold-time><spf-interval-initial-delay>{unit32}</spf-interval-initial-delay><spf-interval-hold-time>{unit32}</spf-interval-hold-time></spf-interval>	Time in seconds to stay in overloaded state on reboot
<base_URI>/config/running/router/isis/reverse-metric	"<reverse-metric><tlv-type>{unit32}</tlv-type></reverse-metric>	Configure reverse metric TLV type.
<base_URI>/config/running/router/isis/reverse-metric	<reverse-metric><rev-metric-val><reverse-metric><te-def-metric>true</te-def-metric></reverse-metric></rev-metric-val></reverse-metric>	Configure IS-IS reverse metric value.
<base_URI>/config/running/router/isis/reverse-metric	<reverse-metric><whole-lan>{enumeration}</whole-lan></reverse-metric>	Change metric for whole LAN.
<base_URI>/config/running/router/isis/reverse-metric/	<reverse-metric><te-def-metric>{enumeration}</te-def-metric></reverse-metric>	Update TE default metric sub-tlv
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style	<metric-style><wide><level-1>{enumeration}</level-1></wide></metric-style>	Level-1 only.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/	<metric-style><wide><level-2>{enumeration}</level-2></wide></metric-style>	Level-2 only.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/summary-address/{summary-ip}/{summary-ip-mask}	<summary-address><Level-1>{enumeration}</Level-1></summary-address>	Configure Integrated IS-IS address summaries.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/ldp-sync/	<ldp-sync><hold-down>{unit32}</hold-down></ldp-sync>	Length (in seconds) of hold-down timer. Range is 1-65535.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric	<default-link-metric><level-1>{unit32}</level-1></default-link-metric>	Default Link Metric for Level-1.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric	<default-link-metric><level-2>{unit32}</level-2></default-link-metric>	Default Link Metric for Level-2.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/	<default-information-originate><default-information-originate-cr>{enumeration}</default-information-originate-cr></default-information-originate>	Controls origination of default route.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/	<default-information-originate><route-map>restapi</route-map></default-information-originate>	Uses route map.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast	<unicast><default-metric>{unit32}</default-metric></unicast>	Metric for route redistribution.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast	<unicast><distance>{unit32}</distance></unicast>	Defines an administrative distance.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast	<unicast><maximum-paths>{unit32}</maximum-paths></unicast>	Calculates multiple paths.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/	<connected><metric>{unit32}</metric></connected>	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/	<connected><metric-type>internal</metric-type></connected>	IS-IS metric type for redistributed routes.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/	<connected><route-map>restapi</route-map></connected>	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match	<match><internal>{enumeration}</internal></match>	Internal routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match	<match><external1>{enumeration}</external1></match>	External type 1 routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match	<match><external2>{enumeration}</external2></match>	External type 2 routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/	<ospf><metric>{unit32}</metric></ospf>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/	<ospf><route-map>restapi</route-map></ospf>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/	<ospf><metric-type>external</metric-type></ospf>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/	<static><metric>{unit32}</metric></static>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/	<static><metric-type>external</metric-type></static>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/	<static><route-map>restapi</route-map></static>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only

PATCH URIs	Payload	Description
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/	<bgp><metric>{unit32}</metric></bgp>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/	<bgp><metric-type>external</metric-type></bgp>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/	<route-map>{string}</route-map>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into/level-1	<level-1><prefix-list>hello</prefix-list></level-1>	Selects routes using prefix-list
<base_URI>/config/running/router/isis/address-family/ipv6/unicast	<unicast><disable-adjacency-check>true</disable-adjacency-check></unicast>	Disables IPv6 Support consistency check
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/summary-prefix/{summary-prefix-ipv6}	<summary-prefix><Level-1>{enumeration}</Level-1></summary-prefix>	Configures Integrated IS-IS address summaries for Level-1.
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric	<default-link-metric><level-1>{unit32}</level-1></default-link-metric>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric	<default-link-metric><level-2>{unit32}</level-2></default-link-metric>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/multi-topology	<multi-topology><transition>{enumeration}</transition></multi-topology>	Accept and generate both ISIS IPv6 and Multi-topology IPv6 TLVs
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/spf-interval/level-2	<spf-interval><spf6-interval-max-hold-time>{unit32}</spf6-interval-max-hold-time><spf6-interval-initial-delay>{unit32}</spf6-interval-initial-delay><spf6-interval-hold-time>{unit32}</spf6-interval-hold-time></spf-interval>	SPF calculation Timers.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval	<partial-spf-interval><pspf-max-hold-time>{unit32}</pspf-max-hold-time></partial-spf-interval>	Maximum hold time (msec) between two PSPF calculations
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval	<partial-spf-interval><pspf-init-delay>{unit32}</pspf-init-delay></partial-spf-interval>	Initial delay (msec) between receiving a LSP change to PSPF calculation

PATCH URIs	Payload	Description
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval	<partial-spf-interval><pspf-hold-time>{unit32}</pspf-hold-time></partial-spf-interval>	Hold time (msec) between two PSPF calculations
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate	<default-information-originate><default-information-originate-cr>{enumeration}</default-information-originate-cr></default-information-originate>	Controls origination of default route.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate	<default-information-originate><route-map>ipv6-restapi</route-map></default-information-originate>	Uses route map.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast	<unicast><default-metric>{unit32}</default-metric></unicast>	Metric for route redistribution.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast	<unicast><distance>{unit32}</distance></unicast>	Defines an administrative distance.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast	<unicast><maximum-paths>{unit32}</maximum-paths></unicast>	Calculates multiple paths.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected	<connected><metric>{unit32}</metric></connected>	Metric for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected	<connected><route-map>ipv6-restapi</route-map></connected>	Route map reference.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected	<connected><metric-type>external</metric-type></connected>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match	<match><internal>{enumeration}</internal></match>	Internal routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match	<match><external1>{enumeration}</external1></match>	External type 1 routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match	<match><external2>{enumeration}</external2></match>	External type 2 routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/	<ospf><metric>{unit32}</metric></ospf>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/	<ospf><route-map>ipv6-restapi</route-map></ospf>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf	<ospf><metric-type>external</metric-type></ospf>	IS-IS metric type for redistributed routes.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/	<static><metric>{unit32}</metric></static>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static	<route-map>route-map-static</route-map>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/metric-type	<static><metric-type>external</metric-type></static>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp	<bgp><metric>{unit32}</metric></bgp>	Metric for redistributed routes
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp	<bgp><route-map>ipv6-restapi</route-map></bgp>	Route map reference
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp	<bgp><metric-type>external</metric-type></bgp>	IS-IS metric type for redistributed routes.
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/level-1	<level-1>{enumeration}</level-1>	IS-IS Level-1 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/level-2	<level-2>{enumeration}</level-2>	IS-IS Level-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/level-1-2	<level-1-2>{enumeration}</level-1-2>	IS-IS Level-1-2 routes only
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into/level-1	<level-1><prefix-list>{string}</prefix-list></level-1>	Selects routes using prefix-list.

DELETE URIs
<base_URI>/config/running/router/isis
<base_URI>/config/running/router/isis/net/{net-cmd}
<base_URI>/config/running/router/isis/auth-mode/md5/level-1
<base_URI>/config/running/router/isis/auth-mode/md5/level-2

DELETE URIs
<base_URI>/config/running/router/isis/csnp-interval
<base_URI>/config/running/router/isis/disable-incremental-spf-opt
<base_URI>/config/running/router/isis/disable-inc-stct-spf-opt
<base_URI>/config/running/router/isis/disable-partial-spf-opt
<base_URI>/config/running/router/isis/fast-flood
<base_URI>/config/running/router/isis/fast-flood/fast-flood-value
<base_URI>/config/running/router/isis/graceful-restart/helper-disable
<base_URI>/config/running/router/isis/hostname/disable
<base_URI>/config/running/router/isis/isis-type
<base_URI>/config/running/router/isis/log/adjacency
<base_URI>/config/running/router/isis/log/invalid-lsp-packets
<base_URI>/config/running/router/isis/lsp-gen-interval
<base_URI>/config/running/router/isis/lsp-interval
<base_URI>/config/running/router/isis/lsp-refresh-interval
<base_URI>/config/running/router/isis/max-lsp-lifetime
<base_URI>/config/running/router/isis/nonstop-routing
<base_URI>/config/running/router/isis/partial-spf-interval
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-max-hold-time
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-init-delay
<base_URI>/config/running/router/isis/partial-spf-interval/pspf-hold-time
<base_URI>/config/running/router/isis/retransmit-interval
<base_URI>/config/running/router/isis/set-debug/nsr
<base_URI>/config/running/router/isis/set-overload-bit
<base_URI>/config/running/router/isis/set-overload-bit/on-startup
<base_URI>/config/running/router/isis/spf-interval/level-1
<base_URI>/config/running/router/isis/reverse-metric
<base_URI>/config/running/router/isis/reverse-metric/tlv-type
<base_URI>/config/running/router/isis/reverse-metric/rev-metric-val
<base_URI>/config/running/router/isis/reverse-metric/whole-lan
<base_URI>/config/running/router/isis/reverse-metric/te-def-metric
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide/level-1
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide/level-2
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/ldp-sync
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/ldp-sync/hold-down
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric/level-1
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-link-metric/level-2
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/route-map
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-information-originate/default-information-originate-cr
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/default-metric
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/distance
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/maximum-paths
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected

DELETE URIs
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/metric
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/route-map
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/connected/metric-type
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/internal
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/external1
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/match/external2
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/metric
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/route-map
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf/metric-type
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/metric
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/route-map
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/static/metric-type
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/metric
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/route-map
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp/metric-type
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-1
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-1/into
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-1/into/level-2
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into/level-1
<base_URI>/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis/level-2/into/level-1/prefix-list
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/summary-prefix/{summary-prefix-ipv6}
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/summary-prefix/{summary-prefix-ipv6}/level-2
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-link-metric/level-1
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-link-metric/level-2
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/multi-topology
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/multi-topology/transition
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/spf-interval/level-1
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-max-hold-time
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-init-delay
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/partial-spf-interval/pspf-hold-time
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate/route-map
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-information-originate/default-information-originate-cr
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/default-metric
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/distance

DELETE URIs
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/maximum-paths
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/metric
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/route-map
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/connected/metric-type
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/internal
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/external1
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/match/external2
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/metric
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/route-map
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf/metric-type
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/metric
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/route-map
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/static/metric-type
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/metric
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/route-map
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp/metric-type
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-1
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-1/into
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-1/into/level-2
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into/level-1
<base_URI>/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis/level-2/into/level-1/prefix-list

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/router/isis

Request Body

None

Response Body

```
isis xmlns="urn:brocade.com:mgmt:brocade-isis" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/router/isis">
  <net y:self="/rest/config/running/router/isis/net/01.1111.1111.1111.00">
    <net-cmd>01.1111.1111.1111.00</net-cmd>
  </net>
  <auth-check y:self="/rest/config/running/router/isis/auth-check">
    <level-1 y:self="/rest/config/running/router/isis/auth-check/level-1">
      </level-1>
    <level-2 y:self="/rest/config/running/router/isis/auth-check/level-2">
      </level-2>
    </auth-check>
  <auth-mode y:self="/rest/config/running/router/isis/auth-mode">
    <md5 y:self="/rest/config/running/router/isis/auth-mode/md5">
      </md5>
    </auth-mode>
  <auth-key y:self="/rest/config/running/router/isis/auth-key">
    </auth-key>
  <fast-flood y:self="/rest/config/running/router/isis/fast-flood">
    <fast-flood-value>10</fast-flood-value>
  </fast-flood>
  <graceful-restart y:self="/rest/config/running/router/isis/graceful-restart">
    </graceful-restart>
  <hello y:self="/rest/config/running/router/isis/hello">
    <padding y:self="/rest/config/running/router/isis/hello/padding">
      <point-to-point y:self="/rest/config/running/router/isis/hello/padding/point-to-point">
        </point-to-point>
      </padding>
    </hello>
  <hostname y:self="/rest/config/running/router/isis/hostname">
    </hostname>
  <is-type>level-2</is-type>
  <log y:self="/rest/config/running/router/isis/log">
    <adjacency>true</adjacency>
    <invalid-lsp-packets>true</invalid-lsp-packets>
  </log>
  <nonstop-routing>true</nonstop-routing>
  <partial-spf-interval y:self="/rest/config/running/router/isis/partial-spf-interval">
    </partial-spf-interval>
  <set-debug y:self="/rest/config/running/router/isis/set-debug">
    <nsr>true</nsr>
  </set-debug>
  <address-family y:self="/rest/config/running/router/isis/address-family">
    <ipv4 y:self="/rest/config/running/router/isis/address-family/ipv4">
      <unicast y:self="/rest/config/running/router/isis/address-family/ipv4/unicast">
        <metric-style y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/metric-
style">
          <wide y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/metric-style/wide">
            <level-1>true</level-1>
            <level-2>true</level-2>
          </wide>
        </metric-style>
      </unicast>
    </ipv4>
  </address-family>
</isis>
```

```

    <default-link-metric y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/
default-link-metric">
    </default-link-metric>
    <default-information-originate y:self="/rest/config/running/router/isis/address-family/ipv4/
unicast/default-information-originate">
    <route-map>restapi</route-map>
    <default-information-originate-cr>true</default-information-originate-cr>
    </default-information-originate>
    <default-metric>5000</default-metric>
    <distance>110</distance>
    <redistribute y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/
redistribute">
    <connected y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/
connected">
    <metric>3000</metric>
    <route-map>rm-connected</route-map>
    <level-1-2>true</level-1-2>
    </connected>
    <ospf y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/ospf">
    <match y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/
ospf/match">
    <internal>true</internal>
    </match>
    <metric>2000</metric>
    <route-map>rm-ospf</route-map>
    <level-1-2>true</level-1-2>
    </ospf>
    <static y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/
static">
    <metric>4000</metric>
    <route-map>rm-static</route-map>
    <level-1-2>true</level-1-2>
    </static>
    <bgp y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/bgp">
    <metric>1000</metric>
    <route-map>rm-bgp</route-map>
    <level-1-2>true</level-1-2>
    </bgp>
    <isis y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/isis">
    <level-1 y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/
isis/level-1">
    <into y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/
isis/level-1/into">
    <level-2 y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/
redistribute/isis/level-1/into/level-2">
    </level-2>
    </into>
    </level-1>
    <level-2 y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/
isis/level-2">
    <into y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/redistribute/
isis/level-2/into">
    <level-1 y:self="/rest/config/running/router/isis/address-family/ipv4/unicast/
redistribute/isis/level-2/into/level-1">
    </level-1>
    </into>
    </level-2>
    </isis>
    </redistribute>
    </unicast>
  </ipv4>
  <ipv6 y:self="/rest/config/running/router/isis/address-family/ipv6">
    <unicast y:self="/rest/config/running/router/isis/address-family/ipv6/unicast">
    <disable-adjacency-check>true</disable-adjacency-check>
    <summary-prefix y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/summary-
prefix/%22100:100:100::0/64%22">
    <summary-prefix-ipv6>100:100:100::0/64</summary-prefix-ipv6>
    </summary-prefix>
    <summary-prefix y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/summary-
prefix/%2280:80:80::0/64%22">
    <summary-prefix-ipv6>80:80:80::0/64</summary-prefix-ipv6>
    </summary-prefix>
  </ipv6>

```



```

    <summary-prefix y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/summary-
prefix/%2290:90:90::0/64%22">
      <summary-prefix-ipv6>90:90:90::0/64</summary-prefix-ipv6>
    </summary-prefix>
    <default-link-metric y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/
default-link-metric">
      <level-1>500</level-1>
      <level-2>1100</level-2>
    </default-link-metric>
    <partial-spf-interval y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/
partial-spf-interval">
    </partial-spf-interval>
    <default-information-originate y:self="/rest/config/running/router/isis/address-family/ipv6/
unicast/default-information-originate">
      <route-map>ipv6-restapi</route-map>
      <default-information-originate-cr>true</default-information-originate-cr>
    </default-information-originate>
    <default-metric>60535</default-metric>
    <distance>100</distance>
    <maximum-paths>64</maximum-paths>
    <redistribute y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/
redistribute">
      <connected y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/
connected">
        <metric>3500</metric>
        <route-map>rm-connectedv6</route-map>
        <level-1-2>true</level-1-2>
      </connected>
      <ospf y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/ospf">
        <match y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/
ospf/match">
          </match>
          <metric>2500</metric>
          <route-map>rm-ospfv6</route-map>
          <level-1-2>true</level-1-2>
        </ospf>
      <static y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/
static">
        <metric>4500</metric>
        <route-map>rm-staticv6</route-map>
        <level-1-2>true</level-1-2>
      </static>
      <bgp y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/bgp">
        <metric>1500</metric>
        <route-map>rm-bgpv6</route-map>
        <level-1-2>true</level-1-2>
      </bgp>
      <isis y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/isis">
        <level-1 y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/
isis/level-1">
          <into y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/
isis/level-1/into">
            <level-2 y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/
redistribute/isis/level-1/into/level-2">
              </level-2>
            </into>
          </level-1>
          <level-2 y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/
isis/level-2">
            <into y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/redistribute/
isis/level-2/into">
              <level-1 y:self="/rest/config/running/router/isis/address-family/ipv6/unicast/
redistribute/isis/level-2/into/level-1">
                </level-1>
              </into>
            </level-2>
          </level-2>
        </isis>
      </redistribute>
    </unicast>
  </ipv6>
</address-family>
</isis>

```

The following is an example of the POST operation to configure an IS-IS network entity title (NET) for the routing process.

URI

http://host:80/rest/config/running/router/isis

Request Body

```
<net><net-cmd>01.1111.1111.1111.00</net-cmd></net>
```

Response Body

None

The following is an example of the DELETE operation to remove IS-IS configuration.

URI

http://host:80/rest/config/running/router/isis

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

router/mpls/policy

Configures MPLS policy.

Resource URIs

URI	Description
<BASE_URI>/config/running/router/mpls/policy	Enters MPLS Policy configuration mode.

Following are the supported URIs.

GET URI	Description
<BASE_URI>/config/running/router/mpls/policy/backup-retry-time	Configures Backup retry time.
<BASE_URI>/config/running/router/mpls/policy/cspf-computation-mode/ignore-overload-bit	Ignores overload bit during CSPF computation.
<BASE_URI>/config/running/router/mpls/policy/cspf-computation-mode/metric-type	Selects metric type for CSPF computation.
<BASE_URI>/config/running/router/mpls/policy/cspf-group-computation/add-penalty	Adds penalty of all matching CSPF-groups to TE metric of TE link.
<BASE_URI>/config/running/router/mpls/policy/cspf-interface-constraint	Uses interface IP address for CSPF computation.
<BASE_URI>/config/running/router/mpls/policy/handle-isis-neighbor-down	Configures MPLS to handle ISIS neighbor down event.
<BASE_URI>/config/running/router/mpls/policy/handle-ospf-neighbor-down	Configures MPLS to handle OSPF neighbor down event.
<BASE_URI>/config/running/router/mpls/policy/retry-time	Configures LSP retry time.
<BASE_URI>/config/running/router/mpls/policy/retry-limit	Configures LSP retry limit.
<BASE_URI>/config/running/router/mpls/policy/rapid-retry	Configures Rapid retry.
<BASE_URI>/config/running/router/mpls/policy/rsvp-periodic-flooding-time	Set the interval for RSVP TE periodic flooding.
<BASE_URI>/config/running/router/mpls/policy/up	Bandwidth percentage when bandwidth is increased.
<BASE_URI>/config/running/router/mpls/policy/soft-preemption/cleanup-timer	Defines timer value for soft preemption to happen.
<BASE_URI>/config/running/router/mpls/policy/traffic-engineering/isis	IS-IS traffic engineering parameters.
<BASE_URI>/config/running/router/mpls/policy/qos-ttl-mode	Configures MPLS TTL and QOS propagation model.
<BASE_URI>/config/running/router/mpls/policy/ingress-tunnel-accounting	Enables Traffic Statistics for Tunnels.
<BASE_URI>/config/running/router/mpls/policy/transit-session-accounting	Enables Traffic Statistics for transit sessions.

POST URIs	Payload	Description
<BASE_URI>/config/running/router/mpls	<policy />	Enters MPLS Policy configuration mode.
<BASE_URI>/config/running/router/mpls/policy	<admin-group> <admin-group-name>(req_val)</admin-group-name> <admin-group-number>(req_val)</admin-group-number> </admin-group>	Sets administrative group names.

POST URIs	Payload	Description
<BASE_URI>/config/running/router/mps/policy	<up />	Sets bandwidth percentage when bandwidth is increased.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mps/policy/backup-retry-time	<backup-retry-time>(uint32)</backup-retry-time>	Configures Backup retry time.
<BASE_URI>/config/running/router/mps/policy/cspf-computation-mode/ignore-overload-bit	<ignore-overload-bit />	Ignores overload bit during CSPF computation.
<BASE_URI>/config/running/router/mps/policy/cspf-computation-mode/metric-type	<metric-type>(cspf-computation-mode)</metric-type>	Selects metric type for CSPF computation.
<BASE_URI>/config/running/router/mps/policy/cspf-group-computation/add-penalty	<add-penalty />	Adds penalty of all matching CSPF-groups to TE metric of TE link.
<BASE_URI>/config/running/router/mps/policy/cspf-interface-constraint	<cspf-interface-constraint />	Uses interface IP address for CSPF computation.
<BASE_URI>/config/running/router/mps/policy/handle-isis-neighbor-down	<handle-isis-neighbor-down />	Configures MPLS to handle ISIS neighbor down event.
<BASE_URI>/config/running/router/mps/policy/handle-ospf-neighbor-down	<handle-ospf-neighbor-down />	Configures MPLS to handle OSPF neighbor down event.
<BASE_URI>/config/running/router/mps/policy/retry-time	<retry-time>(uint32)</retry-time>	Configures LSP retry time.
<BASE_URI>/config/running/router/mps/policy/retry-limit	<retry-limit>(uint32)</retry-limit>	Configures LSP retry limit.
<BASE_URI>/config/running/router/mps/policy/rapid-retry	<rapid-retry>(enable-disable)</rapid-retry>	Configures Rapid retry.
<BASE_URI>/config/running/router/mps/policy/rsvp-periodic-flooding-time	<rsvp-periodic-flooding-time>(uint32)</rsvp-periodic-flooding-time>	Sets the interval for RSVP TE periodic flooding.
<BASE_URI>/config/running/router/mps/policy/soft-preemption/cleanup-timer	<cleanup-timer>(uint32)</cleanup-timer>	Defines timer value for soft preemption to happen.
<BASE_URI>/config/running/router/mps/policy/traffic-engineering/isis	<all><isis>(enumeration)</isis></all>	Enables implicit commit for all triggers and advertises via IS-IS.
<BASE_URI>/config/running/router/mps/policy/traffic-engineering/isis	<lsp-reoptimize-timer><isis>(enumeration)</isis></lsp-reoptimize-timer>	Enables implicit commit for reoptimizations and advertises via IS-IS.
<BASE_URI>/config/running/router/mps/policy/qos-ttl-mode	<ospf-area-as-ip-address><qos-ttl-mode>(enumeration)</qos-ttl-mode></ospf-area-as-ip-address>	MPLS TTL and QoS propagation model.
<BASE_URI>/config/running/router/mps/policy/qos-ttl-mode	<all><qos-ttl-mode>(enumeration)</qos-ttl-mode></all>	MPLS TTL and QoS propagation model.
<BASE_URI>/config/running/router/mps/policy/ingress-tunnel-accounting	<ingress-tunnel-accounting />	Enables Traffic Statistics for Tunnels.
<BASE_URI>/config/running/router/mps/policy/transit-session-accounting	<transit-session-accounting />	Enables Traffic Statistics for transit sessions.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mps/policy/backup-retry-time	<backup-retry-time>(uint32)</backup-retry-time>	Configures Backup retry time.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/policy/cspf-computation-mode/ignore-overload-bit	<ignore-overload-bit />	Ignores overload bit during CSPF computation.
<BASE_URI>/config/running/router/mpls/policy/cspf-computation-mode/metric-type	<metric-type>(cspf-computation-mode)</metric-type>	Selects metric type for CSPF computation.
<BASE_URI>/config/running/router/mpls/policy/cspf-group-computation/add-penalty	<add-penalty />	Adds penalty of all matching CSPF-groups to TE metric of TE link.
<BASE_URI>/config/running/router/mpls/policy/cspf-interface-constraint	<cspf-interface-constraint />	Uses interface IP address for CSPF computation.
<BASE_URI>/config/running/router/mpls/policy/handle-isis-neighbor-down	<handle-isis-neighbor-down />	Configures MPLS to handle ISIS neighbor down event.
<BASE_URI>/config/running/router/mpls/policy/handle-ospf-neighbor-down	<handle-ospf-neighbor-down />	Configures MPLS to handle OSPF neighbor down event.
<BASE_URI>/config/running/router/mpls/policy/retry-time	<retry-time>(uint32)</retry-time>	Configures LSP retry time.
<BASE_URI>/config/running/router/mpls/policy/retry-limit	<retry-limit>(uint32)</retry-limit>	Configures LSP retry limit.
<BASE_URI>/config/running/router/mpls/policy/rapid-retry	<rapid-retry>(enable-disable)</rapid-retry>	Configures Rapid retry.
<BASE_URI>/config/running/router/mpls/policy/rsvp-periodic-flooding-time	<rsvp-periodic-flooding-time>(uint32)</rsvp-periodic-flooding-time>	Sets the interval for RSVP TE periodic flooding.
<BASE_URI>/config/running/router/mpls/policy/soft-preemption/cleanup-time	<cleanup-timer>(uint32)</cleanup-timer>	Defines timer value for soft preemption to happen.
<BASE_URI>/config/running/router/mpls/policy/traffic-engineering/isis	<all><isis>(enumeration)</isis></all>	Configures traffic engineering parameters.
<BASE_URI>/config/running/router/mpls/policy/traffic-engineering/isis	<auto-bandwidth-adjustment><isis>(enumeration)</isis></auto-bandwidth-adjustment>	Configures auto-bandwidth-adjustment parameters.
<BASE_URI>/config/running/router/mpls/policy/traffic-engineering/isis	<lsp-reoptimize-timer><isis>(enumeration)</isis></lsp-reoptimize-timer>	Configure Reoptimization timer.
<BASE_URI>/config/running/router/mpls/policy/qos-ttl-mode	<ospf-area-as-ip-address><qos-ttl-mode>(enumeration)</qos-ttl-mode></ospf-area-as-ip-address>	MPLS TTL and QoS propagation model.
<BASE_URI>/config/running/router/mpls/policy/qos-ttl-mode	<ospf-area-as-decimal><qos-ttl-mode>(enumeration)</qos-ttl-mode></ospf-area-as-decimal>	Configures OSPF area as decimal.
<BASE_URI>/config/running/router/mpls/policy/qos-ttl-mode	<all><qos-ttl-mode>(enumeration)</qos-ttl-mode></all>	Configures MPLS ttl and qos propagation model.
<BASE_URI>/config/running/router/mpls/policy/ingress-tunnel-accounting	<ingress-tunnel-accounting />	Enables Traffic Statistics for Tunnels.
<BASE_URI>/config/running/router/mpls/policy/transit-session-accounting	<transit-session-accounting />	Enables Traffic Statistics for transit sessions.

DELETE URIs
<BASE_URI>/config/running/router/mpls/policy
<BASE_URI>/config/running/router/mpls/policy/admin-group/(admin-group-name)/(admin-group-number)
<BASE_URI>/config/running/router/mpls/policy/backup-retry-time
<BASE_URI>/config/running/router/mpls/policy/cspf-computation-mode/ignore-overload-bit
<BASE_URI>/config/running/router/mpls/policy/cspf-computation-mode/metric-type

DELETE URIs
<BASE_URI>/config/running/router/mpls/policy/cspf-group-computation/add-penalty
<BASE_URI>/config/running/router/mpls/policy/cspf-interface-constraint
<BASE_URI>/config/running/router/mpls/policy/handle-isis-neighbor-down
<BASE_URI>/config/running/router/mpls/policy/handle-ospf-neighbor-down
<BASE_URI>/config/running/router/mpls/policy/retry-time
<BASE_URI>/config/running/router/mpls/policy/retry-limit
<BASE_URI>/config/running/router/mpls/policy/rapid-retry
<BASE_URI>/config/running/router/mpls/policy/rsvp-periodic-flooding-time
<BASE_URI>/config/running/router/mpls/policy/up
<BASE_URI>/config/running/router/mpls/policy/soft-preemption/cleanup-timer
<BASE_URI>/config/running/router/mpls/policy/traffic-engineering/isis
<BASE_URI>/config/running/router/mpls/policy/qos-ttl-mode
<BASE_URI>/config/running/router/mpls/policy/ingress-tunnel-accounting
<BASE_URI>/config/running/router/mpls/policy/transit-session-accounting

Parameters

admin-group-name

Sets administrative group name.

admin-group-number

Admin-group number (range 0-31).

backup-retry-time

Specifies the backup retry time. Range is from 10 to 600.

metric-type

Specifies the metric type for CSPF computation. Valid values are 1 or 2. To use IGP metric of the link for CSPF computation configure **1** and to use TE metric of the link for CSPF computation configure **2**.

retry-time

Specifies the LSP retry time. The range is from 1 to 600. The default value is 30.

retry-limit

Specifies the LSP retry limit. The range is from 0 to 8192. The default value is 65535.

rapid-retry

Enables or disables Rapid retry.

rsvp-periodic-flooding-time

Specifies the MPLS TE Periodic Flooding Timer in seconds. Valid values are 0 or between 30 to 3600.

cleanup-timer

Specifies the Soft preemption cleanup-timer in seconds. Valid values are 0 or between 30 to 300. The default is 30.

lsp-reoptimize-timer

Specifies LSP reoptimize timer. The range is from 30 to 65535.

ospf-area-as-ip-address

Specifies the OSPF area as IPv4 address.

ospf-area-as-decimal

Specifies OSPF area as a decimal. The range is from 0 to 2147483647.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/router/mpls/policy/backup-retry-time

Request Body

```
<backup-retry-time>50</backup-retry-time>
```

Response Body

The following example uses the POST option to configure MPLS policy.

URI

http://host:80/rest/config/running/router/mpls/policy

Request Body

```
<policy/>
```

Response Body

None

The following example uses the DELETE option to remove the backup retry time.

URI

http://host:80/rest/config/running/router/mpls/policy/backup-retry-time

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

router/mpls/rsvp

Configures MPLS RSVP.

Resource URIs

URI	Description
<BASE_URI>/config/running/router/mpls/rsvp	Enters MPLS RSVP configuration mode.

Following are the supported URIs.

GET URIs	Description
<BASE_URI>/config/running/router/mpls/rsvp	MPLS RSVP configuration.
<BASE_URI>/config/running/router/mpls/rsvp/refresh-interval	RSVP Refresh interval.
<BASE_URI>/config/running/router/mpls/rsvp/refresh-multiple	RSVP Refresh multiple.
<BASE_URI>/config/running/router/mpls/rsvp/refresh-reduction/summary-refresh	Refresh Reduction Summary Refresh feature.
<BASE_URI>/config/running/router/mpls/rsvp/refresh-reduction/bundle-message	Refresh Reduction bundle messaging feature.
<BASE_URI>/config/running/router/mpls/rsvp/refresh-reduction/bundle-message/bundle-send-delay	Configures bundle send delay value.
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging	RSVP Reliable messaging globally.
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging/rapid-retrans-decay	Percentage increase in the rapid retransmission interval for each consecutive unacknowledged RSVP message.
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging/rapid-retrans-interval	Interval for an unacknowledged message to be resent.
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging/rapid-retry-limit	Maximum number of retries for an unacknowledged message.
<BASE_URI>/config/running/router/mpls/rsvp/hello	Enable RSVP Hello on all RSVP interfaces.
<BASE_URI>/config/running/router/mpls/rsvp/hello/interval	Interval between two RSVP Hello requests.
<BASE_URI>/config/running/router/mpls/rsvp/hello/tolerance	Number of unacknowledged RSVP Hello requests before timeout.
<BASE_URI>/config/running/router/mpls/rsvp/hello-acknowledgements	Acknowledge RSVP Hellos on interfaces supporting RSVP Hello and not having RSVP sessions.
<BASE_URI>/config/running/router/mpls/rsvp/backup-bw-guarantee	Setup a backup path requesting bandwidth only if bandwidth is available.

POST URIs	Payload	Description
<BASE_URI>/config/running/router/mpls	<rsvp />	Enters MPLS RSVP configuration mode.
<BASE_URI>/config/running/router/mpls/rsvp/refresh-reduction	<bundle-message />	Refresh Reduction bundle messaging feature.
<BASE_URI>/config/running/router/mpls/rsvp	<reliable-messaging />	Configure RSVP Reliable messaging globally.
<BASE_URI>/config/running/router/mpls/rsvp	<hello />	Enable RSVP Hello on all RSVP interfaces.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mps/rsvp/refresh-interval	<refresh-interval>(uint32)</refresh-interval>	RSVP Refresh interval.
<BASE_URI>/config/running/router/mps/rsvp/refresh-multiple	<refresh-multiple>(uint32)</refresh-multiple>	RSVP Refresh multiple.
<BASE_URI>/config/running/router/mps/rsvp/refresh-reduction/summary-refresh	<summary-refresh />	Refresh Reduction Summary Refresh feature.
<BASE_URI>/config/running/router/mps/rsvp/refresh-reduction/bundle-message/bundle-send-delay	<bundle-send-delay>(uint32)</bundle-send-delay>	Configure bundle send delay value.
<BASE_URI>/config/running/router/mps/rsvp/reliable-messaging/rapid-retrans-decay	<rapid-retrans-decay>(uint32)</rapid-retrans-decay>	Percentage increase in the rapid retransmission interval for each consecutive unacknowledged RSVP message.
<BASE_URI>/config/running/router/mps/rsvp/reliable-messaging/rapid-retrans-interval	<rapid-retrans-interval>(uint32)</rapid-retrans-interval>	Interval for an unacknowledged message to be resent.
<BASE_URI>/config/running/router/mps/rsvp/reliable-messaging/rapid-retry-limit	<rapid-retry-limit>(uint32)</rapid-retry-limit>	Maximum number of retries for an unacknowledged message.
<BASE_URI>/config/running/router/mps/rsvp/hello/interval	<interval>(uint32)</interval>	Interval between two RSVP Hello requests.
<BASE_URI>/config/running/router/mps/rsvp/hello/tolerance	<tolerance>(uint32)</tolerance>	Number of unacknowledged RSVP Hello requests before timeout.
<BASE_URI>/config/running/router/mps/rsvp/hello-acknowledgements	<hello-acknowledgements />	Acknowledge RSVP Hellos on interfaces supporting RSVP Hello and not having RSVP sessions.
<BASE_URI>/config/running/router/mps/rsvp/backup-bw-guarantee	<backup-bw-guarantee />	Setup a backup path requesting bandwidth only if bandwidth is available.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mps/rsvp/refresh-interval	<refresh-interval>(uint32)</refresh-interval>	Configure RSVP Refresh interval.
<BASE_URI>/config/running/router/mps/rsvp/refresh-multiple	<refresh-multiple>(uint32)</refresh-multiple>	Configure RSVP Refresh multiple.
<BASE_URI>/config/running/router/mps/rsvp/refresh-reduction/summary-refresh	<summary-refresh />	Refresh Reduction Summary Refresh feature.
<BASE_URI>/config/running/router/mps/rsvp/refresh-reduction/bundle-message/bundle-send-delay	<bundle-send-delay>(uint32)</bundle-send-delay>	Configure bundle send delay value.
<BASE_URI>/config/running/router/mps/rsvp/reliable-messaging/rapid-retrans-decay	<rapid-retrans-decay>(uint32)</rapid-retrans-decay>	Percentage increase in the rapid retransmission interval for each consecutive unacknowledged RSVP message.
<BASE_URI>/config/running/router/mps/rsvp/reliable-messaging/rapid-retrans-interval	<rapid-retrans-interval>(uint32)</rapid-retrans-interval>	Interval for an unacknowledged message to be resent.
<BASE_URI>/config/running/router/mps/rsvp/reliable-messaging/rapid-retry-limit	<rapid-retry-limit>(uint32)</rapid-retry-limit>	Maximum number of retries for an unacknowledged message.
<BASE_URI>/config/running/router/mps/rsvp/hello/interval	<interval>(uint32)</interval>	Interval between two RSVP Hello requests.
<BASE_URI>/config/running/router/mps/rsvp/hello/tolerance	<tolerance>(uint32)</tolerance>	Number of unacknowledged RSVP Hello requests before timeout.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/rsvp/hello-acknowledgements	<hello-acknowledgements />	Acknowledge RSVP Hellos on interfaces supporting RSVP Hello and not having RSVP sessions.
<BASE_URI>/config/running/router/mpls/rsvp/backup-bw-guarantee	<backup-bw-guarantee />	Setup a backup path requesting bandwidth only if bandwidth is available.

DELETE URIs
<BASE_URI>/config/running/router/mpls/rsvp
<BASE_URI>/config/running/router/mpls/rsvp/refresh-interval
<BASE_URI>/config/running/router/mpls/rsvp/refresh-multiple
<BASE_URI>/config/running/router/mpls/rsvp/refresh-reduction/summary-refresh
<BASE_URI>/config/running/router/mpls/rsvp/refresh-reduction/bundle-message
<BASE_URI>/config/running/router/mpls/rsvp/refresh-reduction/bundle-message/bundle-send-delay
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging/rapid-retrans-decay
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging/rapid-retrans-interval
<BASE_URI>/config/running/router/mpls/rsvp/reliable-messaging/rapid-retry-limit
<BASE_URI>/config/running/router/mpls/rsvp/hello
<BASE_URI>/config/running/router/mpls/rsvp/hello/interval
<BASE_URI>/config/running/router/mpls/rsvp/hello/tolerance
<BASE_URI>/config/running/router/mpls/rsvp/hello-acknowledgements
<BASE_URI>/config/running/router/mpls/rsvp/backup-bw-guarantee

Parameters

refresh-interval

Configure RSVP Refresh interval. The valid range is from 1 to 360. The default is 30.

refresh-multiple

Configure RSVP Refresh multiple. The range is from 1 to 255. The default is 3.

bundle-send-delay

Configure bundle send delay value. The valid range is from 20 to 1000. The default is 40.

rapid-retrans-decay

Percentage increase in the rapid retransmission interval for each consecutive unacknowledged RSVP message. The valid range is from 0 to 100. The default is 100.

rapid-retrans-interval

Interval for an unacknowledged message to be resent. The valid range is from 100 to 3000. The default is 2000.

rapid-retry-limit

Maximum number of retries for an unacknowledged message. The valid range is from 1 to 16. The default is 5.

interval

Interval between two RSVP Hello requests. The valid range is from 1 to 60. The default is 9.

tolerance

Number of unacknowledged RSVP Hello requests before timeout. The valid range is from 1 to 255. The default is 3.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

History

Release version	History
16r.1.00	This API call was introduced.

router/mpls/ldp

Configures MPLS protocol.

Resource URIs

URI	Description
<BASE_URI>/config/running/router/mpls/ldp	Configures MPLS protocol.

Following are the supported URIs.

GET URIs	Description
<BASE_URI>/config/running/router/mpls/ldp	Configures MPLS protocol.
<BASE_URI>/config/running/router/mpls/ldp/load-sharing	Number of load-sharing paths.
<BASE_URI>/config/running/router/mpls/ldp/hello-interval-link	Global link hello interval.
<BASE_URI>/config/running/router/mpls/ldp/hello-interval-target	Target interval in seconds. Range is 1-32767. Default is 15.
<BASE_URI>/config/running/router/mpls/ldp/hello-timeout-link	IDP time out in seconds. Range is 2-65535. Default is 15.
<BASE_URI>/config/running/router/mpls/ldp/hello-timeout-target	IDP target time out in seconds. Range is 2-65535. Default is 45.
<BASE_URI>/config/running/router/mpls/ldp/ka-interval	Keep alive interval.
<BASE_URI>/config/running/router/mpls/ldp/ka-int-count	Ka Interval in seconds. Range is 1-65535. Default is 6.
<BASE_URI>/config/running/router/mpls/ldp/ka-timeout	Keep alive timeout.
<BASE_URI>/config/running/router/mpls/ldp/filter-fec-in	Apply filtering on inbound FECs.
<BASE_URI>/config/running/router/mpls/ldp/filter-fec-out	Apply filtering on inbound FECs.
<BASE_URI>/config/running/router/mpls/ldp/advertise-fec	Prefix-list specifying controls on destination prefixes.
<BASE_URI>/config/running/router/mpls/ldp/fec-128-for-auto-discovered	Use LDP FEC 128 for auto-discovered VPLS peers.
<BASE_URI>/config/running/router/mpls/ldp/lsr-id	LDP LSR ID.
<BASE_URI>/config/running/router/mpls/ldp/session/(ldp-session-ip)/filter-fec-out	Apply filtering on outbound FECs.
<BASE_URI>/config/running/router/mpls/ldp/session/(ldp-session-ip)/key	Enable TCP-MD5 authentication.
<BASE_URI>/config/running/router/mpls/ldp/rx-label-silence-timer	Receive label silence time.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart	Enter MPLS LDP GR Config mode.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/helper-only	Helper only mode.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/max-neighbor-reconnect-time	Maximum time to wait for neighbor to reconnect.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/max-neighbor-recovery-time	Maximum time to wait for neighbor to recover.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/reconnect-time	Session reconnect time.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/recovery-time	Recovery time.
<BASE_URI>/config/running/router/mpls/ldp/eol	Enter MPLS LDP EOL Config mode.
<BASE_URI>/config/running/router/mpls/ldp/eol/tx-label-silence-timer	Transmit label silence timer.

GET URIs	Description
<BASE_URI>/config/running/router/mppls/ldp/eol/notification-timer	Notification timer.
<BASE_URI>/config/running/router/mppls/ldp/tunnel-metric	LDP tunnel metric value.
<BASE_URI>/config/running/router/mppls/ldp/label-withdrawal-delay	LDP Label Withdrawal Delay.

POST URIs	Payload	Description
<BASE_URI>/config/running/router/mppls	<ldp />	Configures MPLS protocol.
<BASE_URI>/config/running/router/mppls/ldp	<session><ldp-session-ip>(req_val)</ldp-session-ip></session>	Define LDP Session.
<BASE_URI>/config/running/router/mppls/ldp	<targeted-peer><ldp-targeted-peer-ip>(req_val)</ldp-targeted-peer-ip></targeted-peer>	IP address of the targeted peer.
<BASE_URI>/config/running/router/mppls/ldp	<graceful-restart />	Enter MPLS LDP GR Config mode.
<BASE_URI>/config/running/router/mppls/ldp	<eol />	Enter MPLS LDP EOL Config mode.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mppls/ldp/load-sharing	<load-sharing>(uint32)</load-sharing>	Number of load-sharing paths.
<BASE_URI>/config/running/router/mppls/ldp/hello-interval-link	<hello-interval-link>(uint32)</hello-interval-link>	Target interval in seconds. Range is 1-32767. Default is 15.
<BASE_URI>/config/running/router/mppls/ldp/hello-interval-target	<hello-interval-target>(uint32)</hello-interval-target>	IDP time out in seconds. Range is 2-65535. Default is 15.
<BASE_URI>/config/running/router/mppls/ldp/hello-timeout-link	<hello-timeout-link>(uint32)</hello-timeout-link>	IDP target time out in seconds. Range is 2-65535. Default is 45.
<BASE_URI>/config/running/router/mppls/ldp/hello-timeout-target	<hello-timeout-target>(uint32)</hello-timeout-target>	Keep alive interval.
<BASE_URI>/config/running/router/mppls/ldp/ka-interval	<ka-interval>(uint32)</ka-interval>	Ka Interval in seconds. Range is 1-65535. Default is 6.
<BASE_URI>/config/running/router/mppls/ldp/ka-int-count	<ka-int-count>(uint32)</ka-int-count>	Ka interval count in seconds. Range is 1-65535. Default is 6.
<BASE_URI>/config/running/router/mppls/ldp/ka-timeout	<ka-timeout>(uint32)</ka-timeout>	Ka interval time out in seconds. Rang is 1-65535.
<BASE_URI>/config/running/router/mppls/ldp/filter-fec-in	<filter-fec-in>(string)</filter-fec-in>	Apply filtering on inbound FECs.
<BASE_URI>/config/running/router/mppls/ldp/filter-fec-out	<filter-fec-out>(string)</filter-fec-out>	Apply filtering on outbound FECs.
<BASE_URI>/config/running/router/mppls/ldp/advertise-fec	<advertise-fec>(string)</advertise-fec>	Prefix-list specifying controls on destination prefixes.
<BASE_URI>/config/running/router/mppls/ldp/fec-128-for-auto-discovered	<fec-128-for-auto-discovered />	Use LDP FEC 128 for auto-discovered VPLS peers.
<BASE_URI>/config/running/router/mppls/ldp/lsr-id	<lsr-id>(inet:ipv4-address)</lsr-id>	Set IP address to be used as LSR id for LDP.
<BASE_URI>/config/running/router/mppls/ldp/session/(ldp-session-ip)	<session><filter-fec-out>(string)</filter-fec-out></session>	Apply filtering on outbound FECs.
<BASE_URI>/config/running/router/mppls/ldp/session/(ldp-session-ip)	<session><key>(string)</key></session>	Enable TCP-MD5 authentication.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/ldp/rx-label-silence-timer	<rx-label-silence-timer>(uint32)</rx-label-silence-timer>	Receive label silence time.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/helper-only	<helper-only />	Helper only mode.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/max-neighbor-reconnect-time	<max-neighbor-reconnect-time>(uint32)</max-neighbor-reconnect-time>	Maximum time to wait for neighbor to reconnect.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/max-neighbor-recovery-time	<max-neighbor-recovery-time>(uint32)</max-neighbor-recovery-time>	Maximum time to wait for neighbor to recover.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/reconnect-time	<reconnect-time>(uint32)</reconnect-time>	Session reconnect time.
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/recovery-time	<recovery-time>(uint32)</recovery-time>	Recovery time.
<BASE_URI>/config/running/router/mpls/ldp/eol/tx-label-silence-timer	<tx-label-silence-timer>(uint32)</tx-label-silence-timer>	Transmit label silence timer.
<BASE_URI>/config/running/router/mpls/ldp/eol/notification-timer	<notification-timer>(uint32)</notification-timer>	Notification timer.
<BASE_URI>/config/running/router/mpls/ldp/tunnel-metric	<tunnel-metric>(uint32)</tunnel-metric>	DP tunnel metric value.
<BASE_URI>/config/running/router/mpls/ldp/label-withdrawal-delay	<label-withdrawal-delay>(uint32)</label-withdrawal-delay>	LDP Label Withdrawal Delay.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/ldp/load-sharing	<load-sharing>(uint32)</load-sharing>	Number of load-sharing paths.
<BASE_URI>/config/running/router/mpls/ldp/hello-interval-link	<hello-interval-link>(uint32)</hello-interval-link>	IDP interval in seconds. Range is 1-32767. Ddefault is 5.
<BASE_URI>/config/running/router/mpls/ldp/hello-interval-target	<hello-interval-target>(uint32)</hello-interval-target>	Target interval in seconds. Range is 1-32767. Default is 15.
<BASE_URI>/config/running/router/mpls/ldp/hello-timeout-link	<hello-timeout-link>(uint32)</hello-timeout-link>	Time out interval in seconds. Range is 2-65535. Default is 15.
<BASE_URI>/config/running/router/mpls/ldp/hello-timeout-target	<hello-timeout-target>(uint32)</hello-timeout-target>	Targeted time out in seconds. Range is 2-65535. Default is 45.
<BASE_URI>/config/running/router/mpls/ldp/ka-interval	<ka-interval>(uint32)</ka-interval>	Ka Interval in seconds. Range is 1-65535. Default is 6.
<BASE_URI>/config/running/router/mpls/ldp/ka-int-count	<ka-int-count>(uint32)</ka-int-count>	Ka interval count in seconds. Range is 1-65535. Default is 6.
<BASE_URI>/config/running/router/mpls/ldp/ka-timeout	<ka-timeout>(uint32)</ka-timeout>	Ka interval time out in seconds. Rang is 1-65535.
<BASE_URI>/config/running/router/mpls/ldp/filter-fec-in	<filter-fec-in>(string)</filter-fec-in>	Apply filtering on inbound FECs.
<BASE_URI>/config/running/router/mpls/ldp/filter-fec-out	<filter-fec-out>(string)</filter-fec-out>	Apply filtering on outbound FECs.
<BASE_URI>/config/running/router/mpls/ldp/advertise-fec	<advertise-fec>(string)</advertise-fec>	Prefix-list specifying controls on destination prefixes.
<BASE_URI>/config/running/router/mpls/ldp/fec-128-for-auto-discovered	<fec-128-for-auto-discovered />	Use LDP FEC 128 for auto-discovered VPLS peers.
<BASE_URI>/config/running/router/mpls/ldp/lsr-id	<lsr-id>(inet:ipv4-address)</lsr-id>	Set IP address to be used as LSR id for LDP.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mps/ldp/session/(ldp-session-ip)/filter-fec-out	<filter-fec-out>(string)</filter-fec-out>	Apply filtering on outbound FECs.
<BASE_URI>/config/running/router/mps/ldp/session/(ldp-session-ip)/key	<key>(string)</key>	Enable TCP-MD5 authentication.
<BASE_URI>/config/running/router/mps/ldp/rx-label-silence-timer	<rx-label-silence-timer>(uint32)</rx-label-silence-timer>	Receive label silence time.
<BASE_URI>/config/running/router/mps/ldp/graceful-restart/helper-only	<helper-only />	Helper only mode.
<BASE_URI>/config/running/router/mps/ldp/graceful-restart/max-neighbor-reconnect-time	<max-neighbor-reconnect-time>(uint32)</max-neighbor-reconnect-time>	Maximum time to wait for neighbor to reconnect.
<BASE_URI>/config/running/router/mps/ldp/graceful-restart/max-neighbor-recovery-time	<max-neighbor-recovery-time>(uint32)</max-neighbor-recovery-time>	Maximum time to wait for neighbor to recover.
<BASE_URI>/config/running/router/mps/ldp/graceful-restart/reconnect-time	<reconnect-time>(uint32)</reconnect-time>	Session reconnect time.
<BASE_URI>/config/running/router/mps/ldp/graceful-restart/recovery-time	<recovery-time>(uint32)</recovery-time>	Recovery time.
<BASE_URI>/config/running/router/mps/ldp/eol/tx-label-silence-timer	<tx-label-silence-timer>(uint32)</tx-label-silence-timer>	Transmit label silence timer.
<BASE_URI>/config/running/router/mps/ldp/eol/notification-timer	<notification-timer>(uint32)</notification-timer>	Notification timer.
<BASE_URI>/config/running/router/mps/ldp/tunnel-metric	<tunnel-metric>(uint32)</tunnel-metric>	DP tunnel metric value.
<BASE_URI>/config/running/router/mps/ldp/label-withdrawal-delay	<label-withdrawal-delay>(uint32)</label-withdrawal-delay>	LDP Label Withdrawal Delay.

DELETE URIs
<BASE_URI>/config/running/router/mps/ldp
<BASE_URI>/config/running/router/mps/ldp/load-sharing
<BASE_URI>/config/running/router/mps/ldp/hello-interval-link
<BASE_URI>/config/running/router/mps/ldp/hello-interval-target
<BASE_URI>/config/running/router/mps/ldp/hello-timeout-link
<BASE_URI>/config/running/router/mps/ldp/hello-timeout-target
<BASE_URI>/config/running/router/mps/ldp/ka-interval
<BASE_URI>/config/running/router/mps/ldp/ka-int-count
<BASE_URI>/config/running/router/mps/ldp/ka-timeout
<BASE_URI>/config/running/router/mps/ldp/filter-fec-in
<BASE_URI>/config/running/router/mps/ldp/filter-fec-out
<BASE_URI>/config/running/router/mps/ldp/advertise-fec
<BASE_URI>/config/running/router/mps/ldp/fec-128-for-auto-discovered
<BASE_URI>/config/running/router/mps/ldp/lsr-id
<BASE_URI>/config/running/router/mps/ldp/session/(ldp-session-ip)
<BASE_URI>/config/running/router/mps/ldp/session/(ldp-session-ip)/filter-fec-out
<BASE_URI>/config/running/router/mps/ldp/session/(ldp-session-ip)/key
<BASE_URI>/config/running/router/mps/ldp/targeted-peer/(ldp-targeted-peer-ip)

DELETE URIs
<BASE_URI>/config/running/router/mpls/ldp/rx-label-silence-timer
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/helper-only
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/max-neighbor-reconnect-time
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/max-neighbor-recovery-time
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/reconnect-time
<BASE_URI>/config/running/router/mpls/ldp/graceful-restart/recovery-time
<BASE_URI>/config/running/router/mpls/ldp/eol
<BASE_URI>/config/running/router/mpls/ldp/eol/tx-label-silence-timer
<BASE_URI>/config/running/router/mpls/ldp/eol/notification-timer
<BASE_URI>/config/running/router/mpls/ldp/tunnel-metric
<BASE_URI>/config/running/router/mpls/ldp/label-withdrawal-delay

Parameters

ldp-session-ip

efine LDP peer ip address.

ldp-targeted-peer-ip

Peer IP Address.

load-sharing

Number of load-sharing paths.

hello-interval-link

In seconds (1-32767, default 5).

hello-interval-target

In seconds (1-32767, default 15).

hello-timeout-link

In seconds (2-65535, default 15).

hello-timeout-target

In seconds (2-65535, default 45).

ka-interval

In seconds (1-65535 default 6).

ka-int-count

In seconds (1-65535 default 6).

ka-timeout

In seconds (1-65535).

filter-fec-in

Apply filtering on inbound FECs.

filter-fec-out

Apply filtering on inbound FECs.

advertise-fec

In seconds (1-65535).

lsr-id

IP address to be used as LSR id for LDP.

filter-fec-out

Apply filtering on outbound FECs.

rx-label-silence-timer

Receive label silence time (100-60000 ms). The default is 1000.

key

Enable TCP-MD5 authentication.

rx-label-silence-timer

Receive label silence time (100-60000 ms). The default value is 1000.

max-neighbor-reconnect-time

Maximum time to wait for neighbor to reconnect (60-300 sec). The default value is 120.

max-neighbor-recovery-time

Maximum time to wait for neighbor to recover (60-3600 sec). The default value is 120.

reconnect-time

Session reconnect time (60-300 sec). The default value is 120.

recovery-time

Recovery time (60-3600 sec). The default value is 120.

tx-label-silence-timer

Transmit label silence timer (100-60000 msec).The default value is 1000.

notification-timer

Notification timer (100-120000 msec). The default value is 60000.

tunnel-metric

LDP tunnel metric value (1-65535; default 0).

label-withdrawal-delay

The range is from 0 to 300. The default value is 60.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

History

Release version	History
16r.1.00	This API call was introduced.

router/mpls/mpls-interface

Defines MPLS Interface.

Resource URIs

URI	Description
/rest/config/running/router/mpls/mpls-interface	Defines MPLS Interface.

Following are the supported URIs.

GET URIs	Descriptions
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-enable	Enable LDP on Interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params	Configure LDP parameters.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-interval	Configure hello Interval.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-timeout	Configure hello-timeout.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp	Configure RSVP parameters.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/authentication/key	MD5 key.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello	Enable RSVP Hello on the interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/interval	Interval between two RSVP Hello requests.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/tolerance	Number of unacknowledged RSVP Hello requests before timeout.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello-disable	Disable RSVP Hello on the interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/te-metric	Set te-metric for this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/admin-group	Administrative groups.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/summary-refresh	Refresh Reduction Summary Refresh feature.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/bundle-message	Refresh Reduction bundle messaging feature.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/bundle-message/send-delay	Configure bundle send delay value.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/disable	Disable RSVP Refresh reduction on this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging	Configure RSVP Reliable messaging on this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-decay	Percentage increase in the rapid retransmission interval for each consecutive unacknowledged RSVP message.

GET URIs	Descriptions
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-interval	Interval for an unacknowledged message to be resent.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retry-limit	Maximum number of retries for an unacknowledged message.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/disable	Disable RSVP Reliable messaging on this interface.

POST URIs	Payload	Description
/rest/config/running/router/mpls	<mpls-interface><interface-type>(req_val)</interface-type><interface-name>(req_val)</interface-name></mpls-interface>	Enable LDP on Interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)	<ldp-params />	Configure LDP parameters.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)	<rsvp />	Configure RSVP parameters.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp	<hello />	Enable RSVP Hello on the interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp	<admin-group />	Administrative groups.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction	<bundle-message />	Refresh Reduction bundle messaging feature.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp	<reliable-messaging />	Configure RSVP Reliable messaging on this interface.

PATCH URIs	Payload	Description
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)	<mpls-interface><ldp-enable /></mpls-interface>	Enable LDP on Interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-interval	<hello-interval>(uint32)</hello-interval>	Interval between two RSVP Hello requests.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-timeout	<hello-timeout>(uint32)</hello-timeout>	Configure LDP parameters and hello Interval.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/authentication/key	<reservable-bandwidth><key>(string)</key></reservable-bandwidth>	Enable RSVP authentication on this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/authentication/key	<percentage><key>(string)</key></percentage>	Enable RSVP authentication on this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/interval	<interval>(uint32)</interval>	Interval between two RSVP Hello requests.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/tolerance	<tolerance>(uint32)</tolerance>	Number of unacknowledged RSVP Hello requests before timeout.

PATCH URIs	Payload	Description
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello-disable	<hello-disable />	Disable RSVP Hello on the interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/te-metric	<te-metric>(uint32)</te-metric>	Set te-metric for this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/summary-refresh	<summary-refresh />	Refresh Reduction Summary Refresh feature.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/bundle-message/bundle-send-delay	<bundle-send-delay>(uint32)</bundle-send-delay>	Configure bundle send delay value.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/disable	<disable />	Disable RSVP Refresh reduction on this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-decay	<rapid-retrans-decay>(uint32)</rapid-retrans-decay>	Percentage increase in the rapid retransmission interval for each consecutive unacknowledged RSVP message.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-interval	<rapid-retrans-interval>(uint32)</rapid-retrans-interval>	Interval for an unacknowledged message to be resent.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retry-limit	<rapid-retry-limit>(uint32)</rapid-retry-limit>	Maximum number of retries for an unacknowledged message.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/disable	<disable />	Disable RSVP Reliable messaging on this interface.

PUT URIs	Payload	Description
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-enable	<ldp-enable />	Enable LDP on Interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-interval	<hello-interval>(uint32)</hello-interval>	Interval between two RSVP Hello requests.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-timeout	<hello-timeout>(uint32)</hello-timeout>	LDP parameters and hello Interval.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/authentication/key	<reservable-bandwidth><key>(string)</key></reservable-bandwidth>	Enable RSVP authentication on this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/interval	<interval>(uint32)</interval>	Interval between two RSVP Hello requests.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/tolerance	<tolerance>(uint32)</tolerance>	Number of unacknowledged RSVP Hello requests before timeout.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello-disable	<hello-disable />	Disable RSVP Hello on the interface.

PUT URIs	Payload	Description
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/te-metric	<te-metric>(uint32)</te-metric>	Set te-metric for this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/summary-refresh	<summary-refresh />	Refresh Reduction Summary Refresh feature.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/bundle-message/bundle-send-delay	<bundle-send-delay>(uint32)</bundle-send-delay>	Configure bundle send delay value.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/disable	<disable />	Disable RSVP Refresh reduction on this interface.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-decay	<rapid-retrans-decay>(uint32)</rapid-retrans-decay>	Percentage increase in the rapid retransmission interval for each consecutive unacknowledged RSVP message.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-interval	<rapid-retrans-interval>(uint32)</rapid-retrans-interval>	Interval for an unacknowledged message to be resent.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retry-limit	<rapid-retry-limit>(uint32)</rapid-retry-limit>	Maximum number of retries for an unacknowledged message.
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/disable	<disable />	Disable RSVP Reliable messaging on this interface.

DELETE URIs
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-enable
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-interval
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/ldp-params/hello-timeout
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/authentication/key
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/interval
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello/tolerance
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/hello-disable
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/te-metric
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/admin-group
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/summary-refresh
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/bundle-message
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/bundle-message/bundle-send-delay
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/refresh-reduction/disable
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-decay

DELETE URIs
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retrans-interval
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/rapid-retry-limit
/rest/config/running/router/mpls/mpls-interface/(interface-type)/(interface-name)/rsvp/reliable-messaging/disable

Parameters

interface-type

Interface type.

interface-name

Port number of the interface.

hello-interval

Range is from 1 to 32767. The default value is 5.

hello-timeout

The range is from 2 to 65535. The default value is 15.

key

The range is from 0 to 2000000000.

interval

The range is from 1 to 60. The default value is 9.

tolerance

The range is from 1 to 255. The default is 3.

te-matric

The range is from 1 to 65535.

bundle-send-delay

The range is from 20 to 1000. The default value is 40.

rapid-retrans-decay

The range is from 0 to 100. The default value is 100.

rapid-retrans-interval

The range is from 100 to 30000. The default is 2000.

rapid-retry-limit

The range is from 1 to 16. The default is 5.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

History

Release version	History
16r.1.00	This API call was introduced.

router/mppls/lsp

Defines LSP.

Resource URIs

URI	Description
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)	Defines LSP.

Following are the supported URIs.

GET URIs	Description
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/to	Retrieves LSP destination address.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/cspf	Retrieves cspf.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/ipmtu	Retrieves IP Packet Maximum Transmission Unit configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/metric	Retrieves the LSP metric configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/revert-timer	Retrieves the lsp revert timer configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/tie-breaking	Retrieves the tie breaking mode configuration for cspf.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/from	Retrieves LSP source address.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/primary-path	Retrieves primary explicit path.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/adaptive	Retrieves LSP/secpath adaptive configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/reoptimize-timer	Retrieves Reoptimization timer configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/commit	Retrieves adaptive LSP configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/record	Retrieves the recording path routes configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/cos	Retrieves class of service.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/hop-limit	Retrieves the limit of hops the LSP can traverse.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/cspf-computation-mode	Retrieves cspf-computation-mode configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/traffic-engineering/mean-rate	Retrieves the mean rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/traffic-engineering/max-rate	Retrieves the Max-rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/traffic-engineering/max-burst	Retrieves teh Max-burst in bytes. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/priority/include-all	Retrieves the administrative groups.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/soft-preemption	Retrieves the LSP soft preemption capability configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/frr	Retrieves the fast reroute options.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/frr/hop-limit	Retrieves hop limit.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/frr/link-protection	Retrieves link protection for LSP.

GET URIs	Description
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/frr/priority/lsp-frr-hold-priority	Retrieves the fast reroute priority number.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/frr/revertive/holdtime	Retrieves revertive hold time for the LSP.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/frr/revertive/global	Retrieves global revertive mode.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/standby	Retrieves the secondary-path hot standby configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/cspf	Retrieves cspf status (Enable/Disable).
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/ipmtu	Retrieves IP Packet Maximum Transmission Unit configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/adaptive	Retrieves LSP/secpath to be adaptive.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/reoptimize-timer	Retrieves Reoptimization timer.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/commit	Retrieves the changes to adaptive LSP.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/record	Retrieves recording path route status (Enable or disable).
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/cos	Retrieves class of service.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/hop-limit	Retrieves the hop limit which the LSP can traverse.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/cspf-computation-mode	Retrieves cspf-computation-mode.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/mean-rate	Retrieves the mean rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/max-rate	Retrieves the max-rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/max-burst	Retrieves the max-burst in bytes. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/priority/include-all	Retrieves the administrative groups.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/secondary-path/(secpath-name)/soft-preemption	Retrieves LSP soft preemption capability configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/enable	Retrieves LSP configuration.

POST URIs	Payload	Description
<BASE_URI>/config/running/router/mppls	<lsp><lsp-name>(req_val)</lsp-name></lsp>	Creates LSP configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)	<frr />	Creates LSP name.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)	<secondary-path><secpath-name>(req_val)</secpath-name></secondary-path>	Creates secondary path for the LSP and secondary explicit path.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)	<lsp><to>(inet:ipv4-address)</to></lsp>	Updates lsp name.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><cspf>(enable-disable)</cspf></lsp>	Enables or disables cspf.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><ipmtu>(uint32)</ipmtu></lsp>	Updates IP Packet Maximum Transmission Unit.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><metric>(uint32)</metric></lsp>	Updates the LSP metric.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><revert-timer>(uint32)</revert-timer></lsp>	Updates lsp revert timer.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><tie-breaking>(tie-breaking)</tie-breaking></lsp>	Updates the tie breaking mode for cspf
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><from>(inet:ipv4-address)</from></lsp>	Updates LSP source address.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><primary-path>(string)</primary-path></lsp>	Updates primary explicit path.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><adaptive /></lsp>	Updates LSP/secpath adaptive configuration.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><reoptimize-timer>(uint32)</reoptimize-timer></lsp>	Updates reoptimization timer configuration.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><commit /></lsp>	Commit the changes to adaptive LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><record>(enable-disable)</record></lsp>	Enable/disable recording path routes
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><cos>(uint32)</cos></lsp>	Updates class of service.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><hop-limit>(uint16)</hop-limit></lsp>	Updates the limit of hops which the LSP can traverse.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><cspf-computation-mode>(cspf-computation-mode)</cspf-computation-mode></lsp>	Updates cspf-computation-mode.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/traffic-engineering/mean-rate	<mean-rate>(uint32)</mean-rate>	Updates mean rate in kbps.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/traffic-engineering/max-rate	<max-rate>(uint32)</max-rate>	Updates max rate in kbps.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/traffic-engineering/max-burst	<max-burst>(uint32)</max-burst>	Updates Max-burst in bytes.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/priority/include-all	<lsp-setup-priority><include-all>(string)</include-all></lsp-setup-priority>	Updates the lsp setup priority to include all of the administrative groups.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp><soft-preemption /></lsp>	Updates LSP soft preemption capability.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/hop-limit	<lsp-frr-bandwidth><hop-limit>(uint8)</hop-limit></lsp-frr-bandwidth>	Updates the max bandwidth (in kbits/sec) for Detour/Backup LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/hop-limit	<include-all><hop-limit>(uint8)</hop-limit></include-all>	Updates the administrative groups.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/link-protection	<link-protection />	Updates link protection for LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/priority/lsp-frr-hold-priority	<lsp-frr-setup-priority><lsp-frr-hold-priority>(uint32)</lsp-frr-hold-priority></lsp-frr-setup-priority>	Updates the lsp-frr-hold-priority number.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/revertive/holdtime	<holdtime>(uint8)</holdtime>	Updates revertive hold time for the LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/revertive/global	<global>(enable-disable)</global>	Updates global revertive mode.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><standby /></secondary-path>	Updates secondary Path for the LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><csfp>(enable-disable)</csfp></secondary-path>	Updates secondary Path name for the LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><ipmtu>(uint32)</ipmtu></secondary-path>	Updates secondary path and IP packet maximum transmission unit for the LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><adaptive /></secondary-path>	Updates LSP/secpath adaptive configuration.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><reoptimize-timer>(uint32)</reoptimize-timer></secondary-path>	Updates reoptimization timer.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><commit /></secondary-path>	Commit the changes to adaptive LSP.
rest/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><record>(enable-disable)</record></secondary-path>	Enable/disable recording path routes.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><cos>(uint32)</cos></secondary-path>	Updates class of service.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><hop-limit>(uint16)</hop-limit></secondary-path>	Updates limit of hops which the LSP can traverse.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><csfp-computation-mode>(csfp-computation-mode)</csfp-computation-mode></secondary-path>	Updates csfp-computation-mode.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/mean-rate	<mean-rate>(uint32)</mean-rate>	Updates mean rate.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/max-rate	<max-rate>(uint32)</max-rate>	Updates max rate.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/max-burst	<max-burst>(uint32)</max-burst>	Updates max-burst.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/priority/include-all	<lsp-setup-priority><include-all>(string)</include-all></lsp-setup-priority>	Updates administrative groups.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)	<secondary-path><soft-preemption /></secondary-path>	Updates LSP soft preemption capability.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)	<lsp-select-path-mode><primary /><lsp>()</lsp><enable /></lsp-select-path-mode>	Updates manual path select mode.

PATCH URIs	Payload	Description
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)	<lsp-select-path-mode><secondary>(leafref)</secondary><lsp>()</lsp><enable /></lsp-select-path-mode>	Updates a secondary path as selected path.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/to	<to>(inet:ipv4-address)</to>	Configures LSP destination address.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/cspf	<cspf>(enable-disable)</cspf>	Configures cspf.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/ipmtu	<ipmtu>(uint32)</ipmtu>	Configures IP Packet Maximum Transmission Unit configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/metric	<metric>(uint32)</metric>	Configures the LSP metric.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/revert-timer	<revert-timer>(uint32)</revert-timer>	Configures lsp revert timer configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/tie-breaking	<tie-breaking>(tie-breaking)</tie-breaking>	Configures the tie breaking mode for cspf.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/from	<from>(inet:ipv4-address)</from>	Configures LSP source address.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/primary-path	<primary-path>(string)</primary-path>	Configures primary explicit path.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/adaptive	<adaptive />	Configures LSP/secpath adaptive configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/reoptimize-timer	<reoptimize-timer>(uint32)</reoptimize-timer>	Configures reoptimization timer configuration.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/commit	<commit />	Commit the changes to adaptive LSP.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/record	<record>(enable-disable)</record>	Enable/disable recording path routes.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/cos	<cos>(uint32)</cos>	Configure class of service.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/hop-limit	<hop-limit>(uint16)</hop-limit>	Limit of hops the LSP can traverse.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/cspf-computation-mode	<cspf-computation-mode>(cspf-computation-mode)</cspf-computation-mode>	Specify cspf-computation-mode.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/traffic-engineering/mean-rate	<mean-rate>(uint32)</mean-rate>	Mean rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/traffic-engineering/max-rate	<max-rate>(uint32)</max-rate>	Max-rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/traffic-engineering/max-burst	<max-burst>(uint32)</max-burst>	Max-burst in bytes. Range is 0-2147483647.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/priority/include-all	<lsp-setup-priority><include-all>(string)</include-all></lsp-setup-priority>	Include any of the administrative groups.
<BASE_URI>/config/running/router/mppls/lsp/(lsp-name)/soft-preemption	<soft-preemption />	Set LSP soft preemption capability.

PUT URIs	Payload	Description
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/hop-limit	<lsp-frr-bandwidth><hop-limit>(uint8)</hop-limit></lsp-frr-bandwidth>	Set Fast Reroute options.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/hop-limit	<include-all><hop-limit>(uint8)</hop-limit></include-all>	Set hop limit.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/link-protection	<link-protection />	Configures link protection for LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/priority/lsp-frr-hold-priority	<lsp-frr-setup-priority><lsp-frr-hold-priority>(uint32)</lsp-frr-hold-priority></lsp-frr-setup-priority>	Fast Reroute priority number.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/revertive/holdtime	<holdtime>(uint8)</holdtime>	Configure revertive hold time for the LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/revertive/global	<global>(enable-disable)</global>	Configures global revertive mode.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/standby	<standby />	Make secondary-path hot standby.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/cspf	<cspf>(enable-disable)</cspf>	Enable/Disable cspf.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/ipmtu	<ipmtu>(uint32)</ipmtu>	Enables IP Packet Maximum Transmission Unit.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/adaptive	<adaptive />	Configure LSP/secpath to be adaptive.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/reoptimize-timer	<reoptimize-timer>(uint32)</reoptimize-timer>	Configure Reoptimization timer.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/commit	<commit />	Commit the changes to adaptive LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/record	<record>(enable-disable)</record>	Enable or disable recording path routes.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/cos	<cos>(uint32)</cos>	Configure class of service.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/hop-limit	<hop-limit>(uint16)</hop-limit>	Configures the hop limit which the LSP can traverse.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/cspf-computation-mode	<cspf-computation-mode>(cspf-computation-mode)</cspf-computation-mode>	Configures cspf-computation-mode.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/mean-rate	<mean-rate>(uint32)</mean-rate>	Mean rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/max-rate	<max-rate>(uint32)</max-rate>	Max-rate in kbps. Range is 0-2147483647.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/	<max-burst>(uint32)</max-burst>	Max-burst in bytes. Range is 0-2147483647.

PUT URIs	Payload	Description
(secpath-name)/traffic-engineering/max-burst		
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/priority/include-all	<lsp-setup-priority><include-all>(string)</include-all></lsp-setup-priority>	Configures any of the administrative groups.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/soft-preemption	<soft-preemption />	Configures LSP soft preemption capability.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/enable	<lsp-select-path-mode><primary />>enable /></lsp-select-path-mode>	Configures LSP.
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/enable	<lsp-select-path-mode><secondary>(leafref)</secondary><enable /></lsp-select-path-mode>	Configures a selected lsp path.

DELETE URIs
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/to
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/cspf
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/ipmtu
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/metric
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/revert-timer
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/tie-breaking
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/from
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/primary-path
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/adaptive
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/reoptimize-timer
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/commit
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/record
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/cos
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/hop-limit
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/cspf-computation-mode
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/traffic-engineering/mean-rate
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/traffic-engineering/max-rate
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/traffic-engineering/max-burst
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/priority/include-all
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/soft-preemption
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/hop-limit
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/link-protection
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/priority/lsp-frr-hold-priority
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/revertive/holdtime
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/frr/revertive/global
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/standby

DELETE URIs
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/cspf
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/ipmtu
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/adaptive
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/reoptimize-timer
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/commit
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/record
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/cos
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/hop-limit
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/cspf-computation-mode
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/mean-rate
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/max-rate
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/traffic-engineering/max-burst
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/priority/include-all
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/secondary-path/(secpath-name)/soft-preemption
<BASE_URI>/config/running/router/mpls/lsp/(lsp-name)/enable

Parameters

lsp-name

Name (up to 64 characters).

secpath-name

Secondary explicit path name (up to 64 characters).

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

History

Release version	History
16r.1.00	This API call was introduced.

router/ospf

Configures, modifies, or retrieves Open Shortest Path First (OSPF) configurations.

Resource URIs

URI	Description
<base_URI>/config/running/router/ospf	Open Shortest Path First (OSPF).

GET URIs	Description
<base_URI>/config/running/router/ospf	Retrieves OSPF configuration details.
<base_URI>/config/running/router/ospf/{vrf-name}	Retrieves OSPF configuration details for a particular VRF.
<base_URI>/config/running/router/ospf/{vrf-name}/database-overflow-interval	Retrieves database overflow interval.
<base_URI>/config/running/router/ospf/{vrf-name}/default-information-originate	Retrieves default route information
<base_URI>/config/running/router/ospf/{vrf-name}/default-passive-interface	Marks all OSPF interfaces passive by default.
<base_URI>/config/running/router/ospf/{vrf-name}/default-metric	Specifies the OSPF routing protocol metric value.
<base_URI>/config/running/router/ospf/{vrf-name}/external-lsdb-limit	Retrieves External Link State Database limit.
<base_URI>/config/running/router/ospf/{vrf-name}/log	Enables logging for OSPFv3 activities.
<base_URI>/config/running/router/ospf/{vrf-name}/metric-type	Displays Metric type (Type 1 or Type 2).
<base_URI>/config/running/router/ospf/{vrf-name}/neighbor/{neighbor-addr}	Displays non-broadcast neighbor IP Address in the format A.B.C.D.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute	Enables route redistribution.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/connected	Redistributes directly connected routes.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/connected/route-map	Redistributes directly connected routes and specifies a route map to be consulted before a route is added to the routing table.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/static	Redistributes static routes.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/static/route-map	Redistributes static routes and specifies a route map to be consulted before a route is added to the routing table.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/bgp	Redistributes BGP routes.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/bgp/route-map	Redistributes BGP routes and specifies a route map to be consulted before a route is added to the routing table.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/ospf	Redistributes OSPF routes.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/isis	Redistributes IS-IS routes.
<base_URI>/config/running/router/ospf/{vrf-name}/redistribute/isis/route-map	Redistribute IS-IS routes and specifies a route map to be consulted before a route is added to the routing table.
<base_URI>/config/running/router/ospf/{vrf-name}/area/{area-id}	Displays the OSPF Router Area ID.
<base_URI>/config/running/router/ospf/{vrf-name}/auto-cost	Calculates OSPF interface cost according to bandwidth.
<base_URI>/config/running/router/ospf/{vrf-name}/distance/{route-type}	Configures an administrative distance value for OSPF routes.
<base_URI>/config/running/router/ospf/{vrf-name}/distribute-list	Prevents routes from being learnt by OSPF.

GET URIs	Description
<base_URI>/config/running/router/ospf/{vrf-name}/distribute-list/route-map	Creates a route-map distribution list.
<base_URI>/config/running/router/ospf/{vrf-name}/distribute-list/route-map/in	Creates a distribution list for an inbound route map.
<base_URI>/config/running/router/ospf/{vrf-name}/max-metric	Retrieves Stub Router Advertisement.
<base_URI>/config/running/router/ospf/{vrf-name}/max-metric/router-lsa	Retrieves the maximum metric advertisement in the Router.
<base_URI>/config/running/router/ospf/{vrf-name}/summary-address/{sum-address}/{sum-address-mask}	Retrieves IP address summaries information.
<base_URI>/config/running/router/ospf/{vrf-name}/timers	Retrieves routing timers information.
<base_URI>/config/running/router/ospf/{vrf-name}/maximum-paths	Changes the maximum number of OSPF shared paths.
<base_URI>/config/running/router/ospf/{vrf-name} /graceful-restart/	Retrieves graceful restart information.
<base_URI>/config/running/router/ospf/{vrf-name}/graceful-restart/helper-disable	Disables graceful restart helper capability.
<base_URI>/config/running/router/ospf/{vrf-name}/nonstop-routing	Enables nonstop-routing (NSR).

POST URIs	Payload	Description
<base_URI>/config/running/router/ospf/{vrf-name)/database-overflow-interval	<database-overflow-interval>(unit32)</database-overflow-interval>	Configures database overflow interval.
<base_URI>/config/running/router/ospf/{vrf-name)/default-passive-interface	<default-passive-interface>(enumeration)</default-passive-interface>	Configures default passive interface.
<base_URI>/config/running/router/ospf/{vrf-name)/default-metric	<default-metric>(unit32)</default-metric>	Configures default metric value.
<base_URI>/config/running/router/ospf/{vrf-name)/neighbor	<neighbor><neighbor-addr>(ip-address)</neighbor-addr></neighbor>	Configures neighbor.

PATCH URIs	Payload	Description
<base_URI>/config/running/router/ospf/{vrf-name)/default-information-originate	<default-information-originate><metric>(unit32)</metric><metric-type>(string)</metric-type> <route-map>(string)</route-map></default-information-originate>	Originates default-information.
<base_URI>/config/running/router/ospf/{vrf-name)/database-overflow-interval	<database-overflow-interval>(unit32)</database-overflow-interval>	Configures the time interval at which the device checks to see if the overflow condition has been eliminated.
<base_URI>/config/running/router/ospf/default-vrf/default-passive-interface	<default-passive-interface>(enumeration)</default-passive-interface>	Marks all OSPF interfaces passive by default.
<base_URI>/config/running/router/ospf/{vrf-name)/external-lsdb-limit	<external-lsdb-limit>(unit32)</external-lsdb-limit>	Configures the maximum size of the external LSDB.
<base_URI>/config/running/router/ospf/default-vrf/neighbor/	<neighbor><neighbor-addr>(ip-address)</neighbor-addr></neighbor>	Configures the IPv4 address of the neighbor.
<base_URI>/config/running/router/ospf/default-vrf/redistribute	<redistribute><connected></connected></redistribute>	Redistributes directly connected routes.
<base_URI>/config/running/router/ospf/default-vrf/redistribute	<redistribute><static></static></redistribute>	Enables Static routes.
<base_URI>/config/running/router/ospf/{vrf-name)/redistribute	<redistribute><bgp></bgp></redistribute>	Enables BGP routes.
<base_URI>/config/running/router/ospf/{vrf-name)/redistribute	<redistribute><isis><level-1></level-1></isis></redistribute>	Enables ISIS routes

PATCH URIs	Payload	Description
<base_URI>/config/running/router/ospf/(vrf-name)/area	<area><area-id>(unit32)</area-id></area>	Configures the area address.
<base_URI>/config/running/router/ospf/(vrf-name)/area	<area><area-id>(unit32)</area-id><nssa><nssa-value>(unit32)</nssa-value></nssa></area>	Configures an NSSA area.
<base_URI>/config/running/router/ospf/(vrf-name)/auto-cost	<auto-cost ><reference-bandwidth>ref-bandwidth>(unit32)</ref-bandwidth></reference-bandwidth></auto-cost>	Configures the reference bandwidth in Mbps.
<base_URI>/config/running/router/ospf/(vrf-name)/auto-cost	<auto-cost ><reference-bandwidth><use-active-ports></use-active-ports></reference-bandwidth></auto-cost>	When set, any dynamic change in bandwidth immediately affects the cost of OSPF routes. This parameter enables cost calculation for currently active ports only.
<base_URI>/config/running/router/ospf/(vrf-name)/distance	<distance><route-type>(enumeration)</route-type><dist-value>(unit32)</dist-value></distance>	Sets the route-type and distance value.
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart	<graceful-restart><graceful-restart-enable>(enumeration)</graceful-restart-enable></graceful-restart>	Enables the OSPF Graceful Restart (GR) capability.
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart	<graceful-restart><helper-disable>(enumeration)</helper-disable></graceful-restart>	Disables the GR helper capability.
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart	<graceful-restart><restart-time>(unit32)</restart-time></graceful-restart>	Specifies the maximum restart wait time, in seconds, advertised to neighbors.
<base_URI>/config/running/router/ospf/(vrf-name)	<ospf><nonstop-routing>(enumeration)</nonstop-routing></ospf>	Enables nonstop-routing (NSR).

PUT URIs	Payload	Description
<base_URI>/config/running/router/ospf/(vrf-name)/default-information-originate	<default-information-originate><metric>(unit32)</metric><metric-type>(string)</metric-type> <route-map>(string)</route-map></default-information-originate>	Originates default-information.
<base_URI>/config/running/router/ospf/default-vrf/database-overflow-interval	<database-overflow-interval>(unit32)</database-overflow-interval>	Configures the time interval at which the device checks to see if the overflow condition has been eliminated.
<base_URI>/config/running/router/ospf/default-vrf/default-passive-interface	<default-passive-interface>(enumeration)</default-passive-interface>	Marks all OSPF interfaces passive by default.
<base_URI>/config/running/router/ospf/(vrf-name)/default-metric	<default-metric>(unit32)</default-metric>	Configures default metric value.
<base_URI>/config/running/router/ospf/(vrf-name)/external-lsdb-limit	<external-lsdb-limit>(unit32)</external-lsdb-limit>	Configures the maximum size of the external LSDB.
<base_URI>/config/running/router/ospf/(vrf-name)/log	<log><all>(enumeration)</all></log>	Configures logging.
<base_URI>/config/running/router/ospf/(vrf-name)/log	<log><database>(enumeration)</database></log>	Configures database logging.
<base_URI>/config/running/router/ospf/(vrf-name)/log	<log><retransmit>(enumeration)</retransmit></log>	Configures retransmission logging.
<base_URI>/config/running/router/ospf/(vrf-name)/log	<log><adjacency></adjacency></log>	Configures adjacency logging.
<base_URI>/config/running/router/ospf/default-vrf/neighbor	<neighbor><neighbor-addr>(ip-address)</neighbor-addr></neighbor>	Configures the IPv4 address of the neighbor.

PUT URIs	Payload	Description
<base_URI>/config/running/router/ospf/default-vrf/redistribute	<redistribute><connected></connected></redistribute>	Redistributes directly connected routes.
<base_URI>/config/running/router/ospf/(vrf-name)/redistribute	<redistribute><static></static></redistribute>	Enables Static routes.
<base_URI>/config/running/router/ospf/(vrf-name)/redistribute	<redistribute><bgp></bgp></redistribute>	Enables BGP routes.
<base_URI>/config/running/router/ospf/default-vrf/redistribute	<redistribute><isis><level-1></level-1></isis></redistribute>	Enables ISIS routes
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart/graceful-restart-enable	<graceful-restart-enable>(enumeration)</graceful-restart-enable>	Enables the OSPF Graceful Restart (GR) capability.
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart/helper-disable	<helper-disable>(enumeration)</helper-disable>	Disables the GR helper capability.
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart/restart-time	<restart-time>(unit32)</restart-time>	Specifies the maximum restart wait time, in seconds, advertised to neighbors.

DELETE URIs
<base_URI>/config/running/router/ospf/(vrf-name)/default-information-originate
<base_URI>/config/running/router/ospf/(vrf-name)/database-overflow-interval
<base_URI>/config/running/router/ospf/(vrf-name)/default-passive-interface
<base_URI>/config/running/router/ospf/(vrf-name)/default-metric
<base_URI>/config/running/router/ospf/(vrf-name)/external-lsdb-limit
<base_URI>/config/running/router/ospf/(vrf-name)/log
<base_URI>/config/running/router/ospf/(vrf-name)/neighbor
<base_URI>/config/running/router/ospf/(vrf-name)/redistribute
<base_URI>/config/running/router/ospf/(vrf-name)/area/
<base_URI>/config/running/router/ospf/(vrf-name)/distance
<base_URI>/config/running/router/ospf/(vrf-name)/auto-cost
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart/graceful-restart-enable
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart/helper-disable
<base_URI>/config/running/router/ospf/(vrf-name)/graceful-restart/restart-time
<base_URI>/config/running/router/ospf/(vrf-name)/nonstop-routing

Parameters

vrf

Specifies the VRF name.

database-overflow-interval

Specifies the time interval at which the device checks to see if the overflow condition has been eliminated. The value can range from 0 through 86400 seconds. The default value is 0.

route-map

Specifies the name of a route map.

default-metric

Specifies the OSPF routing protocol metric value. The value can range from 1 through 65535.

external-lsdb-limit

Specifies the maximum size of the external LSDB. The maximum allowed value is 14913080.

neighbor-addr

Specifies the IPv4 address of the neighbor.

area-id

Specifies the area address in dotted decimal format (A.B.C.D) or in decimal format.

nssa

Specifies an NSSA area.

default-information-originate

Originates default-information.

ref-bandwidth

Specifies the reference bandwidth in Mbps. The value can range from 1 through 4294967.

use-active-ports

When set, any dynamic change in bandwidth immediately affects the cost of OSPF routes. This parameter enables cost calculation for currently active ports only.

route-type

Sets the route-type. Supported configurations are:

external-lsa-val

Specifies the metric value. The value can range from 1 through 16777214 (0x00001 -0x00FFFFFFE). The default value is 16711680 (0x00FF0000).

summary-lsa-val

Specifies the summary metric value. The value can range from 1 through 16777214 (0x00001 - 0x00FFFFFFE). The default value is 16711680 (0x00FF0000).

ptp

Advertises maximum metric in Router LSA for PTP links.

stub

Advertises maximum metric in Router LSA for stub links.

transit

Advertises maximum metric in Router LSA for transit links.

sum-address

Specifies the IP address for the summary route representing all the redistributed routes in dotted decimal format.

sum-address-mask

Specifies the IP mask for the summary route representing all the redistributed routes in dotted decimal format.

lsa-group-pacing

Specifies the interval at which OSPF LSAs are collected into a group and refreshed, check-summed, or aged out by the OSPF process. The values can range from 10 through 1800 seconds. The default value is 240 seconds.

init-delay

Specifies the initial SPF calculation delay. The values can range from 0 through 60000 milliseconds. The default value is 0 milliseconds.

hold-time

Specifies the minimum hold time between two consecutive SPF calculations. The values can range from 0 through 60000 milliseconds. The default value is 5000 milliseconds.

max-hold-time

Specifies the maximum wait time between two consecutive SPF calculations. The values can range from 0 through 60000 milliseconds. The default value is 10000 milliseconds.

graceful-restart-enable

Enables the OSPF Graceful Restart (GR) capability.

helper-disable

Disables the GR helper capability.

restart-time

Specifies the maximum restart wait time, in seconds, advertised to neighbors. The value can range from 10 through 1800 seconds. The default value is 120 seconds.

external-lsa-val-onstartup

Configures the external LSA value on startup.

summary-lsa-val-onstartup

Configures the summary LSA value on startup.

nonstop-routing

Enables nonstop-routing (NSR).

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/router/ospf/vrf/(vrf-name)

Request Body

None

Response Body

```
<ospf xmlns="urn:brocade.com:mgmt:brocade-ospf" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/router/ospf/default-vrf">
  <vrf>default-vrf</vrf>
  <database-overflow-interval>111</database-overflow-interval>
  <default-information-originate y:self="/rest/config/running/router/ospf/default-vrf/default-
information-originate">
    </default-information-originate>
  <default-passive-interface>true</default-passive-interface>
  <default-metric>555</default-metric>
  <ldp-sync y:self="/rest/config/running/router/ospf/default-vrf/ldp-sync">
    </ldp-sync>
  <external-lsdb-limit>444</external-lsdb-limit>
  <log y:self="/rest/config/running/router/ospf/default-vrf/log">
    <all>true</all>
  </log>
  <neighbor y:self="/rest/config/running/router/ospf/default-vrf/neighbor/1.1.1.1">
    <neighbor-addr>1.1.1.1</neighbor-addr>
  </neighbor>
  <redistribute y:self="/rest/config/running/router/ospf/default-vrf/redistribute">
    <connected y:self="/rest/config/running/router/ospf/default-vrf/redistribute/connected">
      </connected>
    <static y:self="/rest/config/running/router/ospf/default-vrf/redistribute/static">
      </static>
    <bgp y:self="/rest/config/running/router/ospf/default-vrf/redistribute/bgp">
      </bgp>
    <ospf y:self="/rest/config/running/router/ospf/default-vrf/redistribute/ospf">
      </ospf>
    <isis y:self="/rest/config/running/router/ospf/default-vrf/redistribute/isis">
      </isis>
    </redistribute>
  <rfc1583-compatibility y:self="/rest/config/running/router/ospf/default-vrf/rfc1583-compatibility">
    <rfc1583-compatibility-flag>true</rfc1583-compatibility-flag>
  </rfc1583-compatibility>
  <area y:self="/rest/config/running/router/ospf/default-vrf/area/0">
    <area-id>0</area-id>
    <normal>true</normal>
    <nssa y:self="/rest/config/running/router/ospf/default-vrf/area/0/nssa">
      </nssa>
    <stub y:self="/rest/config/running/router/ospf/default-vrf/area/0/stub">
      </stub>
    <prefix-list y:self="/rest/config/running/router/ospf/default-vrf/area/0/prefix-list">
      </prefix-list>
    </area>
  <area y:self="/rest/config/running/router/ospf/default-vrf/area/1">
    <area-id>1</area-id>
    <normal>true</normal>
    <nssa y:self="/rest/config/running/router/ospf/default-vrf/area/1/nssa">
      </nssa>
    <stub y:self="/rest/config/running/router/ospf/default-vrf/area/1/stub">
      </stub>
    <prefix-list y:self="/rest/config/running/router/ospf/default-vrf/area/1/prefix-list">
```

```

    <prefix-list>abcd</prefix-list>
    <in>true</in>
    <prefix-list>abcd</prefix-list>
    <out>true</out>
  </prefix-list>
</area>
<area y:self="/rest/config/running/router/ospf/default-vrf/area/2">
  <area-id>2</area-id>
  <nssa y:self="/rest/config/running/router/ospf/default-vrf/area/2/nssa">
    </nssa>
  <stub y:self="/rest/config/running/router/ospf/default-vrf/area/2/stub">
    <stub-value>11</stub-value>
  </stub>
  <prefix-list y:self="/rest/config/running/router/ospf/default-vrf/area/2/prefix-list">
    </prefix-list>
  </area>
<area y:self="/rest/config/running/router/ospf/default-vrf/area/3">
  <area-id>3</area-id>
  <nssa y:self="/rest/config/running/router/ospf/default-vrf/area/3/nssa">
    <nssa-value>22</nssa-value>
  </nssa>
  <stub y:self="/rest/config/running/router/ospf/default-vrf/area/3/stub">
    </stub>
  <prefix-list y:self="/rest/config/running/router/ospf/default-vrf/area/3/prefix-list">
    </prefix-list>
  </area>
<auto-cost y:self="/rest/config/running/router/ospf/default-vrf/auto-cost">
  <reference-bandwidth y:self="/rest/config/running/router/ospf/default-vrf/auto-cost/reference-
bandwidth">
    <ref-bandwidth>1000</ref-bandwidth>
    <use-active-ports>true</use-active-ports>
  </reference-bandwidth>
</auto-cost>
<distance y:self="/rest/config/running/router/ospf/default-vrf/distance/external">
  <route-type>external</route-type>
  <dist-value>50</dist-value>
</distance>
<distance y:self="/rest/config/running/router/ospf/default-vrf/distance/inter-area">
  <route-type>inter-area</route-type>
  <dist-value>61</dist-value>
</distance>
<distance y:self="/rest/config/running/router/ospf/default-vrf/distance/intra-area">
  <route-type>intra-area</route-type>
  <dist-value>72</dist-value>
</distance>
<distribute-list y:self="/rest/config/running/router/ospf/default-vrf/distribute-list">
  <route-map y:self="/rest/config/running/router/ospf/default-vrf/distribute-list/route-map">
    <route-map>afgh</route-map>
    <in>true</in>
  </route-map>
</distribute-list>
<max-metric y:self="/rest/config/running/router/ospf/default-vrf/max-metric">
  <router-lsa y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa">
    <external-lsa y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa/external-
lsa">
      <external-lsa-val>16777214</external-lsa-val>
    </external-lsa>
    <summary-lsa y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa/summary-
lsa">
      </summary-lsa>
      <link y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa/link">
        <ptp>true</ptp>
        <stub>true</stub>
        <transit>true</transit>
      </link>
    <on-startup y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa/on-
startup">
      <time>400</time>
      <external-lsa y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa/on-
startup/external-lsa">
        </external-lsa>
      <summary-lsa y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa/on-

```

```

startup/summary-lsa">
  </summary-lsa>
  <link y:self="/rest/config/running/router/ospf/default-vrf/max-metric/router-lsa/on-startup/
link">
    <transit>true</transit>
  </link>
</on-startup>
</router-lsa>
</max-metric>
<summary-address y:self="/rest/config/running/router/ospf/default-vrf/summary-address/
12.0.0.0%2C255.0.0.0">
  <sum-address>12.0.0.0</sum-address>
  <sum-address-mask>255.0.0.0</sum-address-mask>
</summary-address>
<timers y:self="/rest/config/running/router/ospf/default-vrf/timers">
  <lsa-group-pacing>300</lsa-group-pacing>
  <throttle y:self="/rest/config/running/router/ospf/default-vrf/timers/throttle">
    <spf y:self="/rest/config/running/router/ospf/default-vrf/timers/throttle/spf">
      <init-delay>1000</init-delay>
      <hold-time>2000</hold-time>
      <max-hold-time>5000</max-hold-time>
    </spf>
  </throttle>
</timers>
<graceful-restart y:self="/rest/config/running/router/ospf/default-vrf/graceful-restart">
  <graceful-restart-enable>true</graceful-restart-enable>
</graceful-restart>
<maximum-paths>9</maximum-paths>
</ospf>

```

The following is an example of the POST operation to add a prefix-list to router OSPF area configuration.

URI

http://host:80/rest/config/running/router/ospf/(vrf-name)/area/1/prefix-list

Request Body

```
<prefix-list>prefixlist1</prefix-list>
```

Response Body

None

The following is an example of the DELETE operation to remove the prefix-list configuration.

URI

http://host:80/rest/config/running/router/ospf/(vrf-name)/area/1/prefix-list

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

router/pim

Retrieves basic global protocol-independent multicast (PIM) Sparse parameters on a device within the PIM Sparse domain.

Resource URIs

URI	Description
<base_URI>/config/running/router/pim/	Configures basic global protocol-independent multicast (PIM) Sparse parameters on a device within the PIM Sparse domain.

GET URIs	Description
<base_URI>/config/running/router/pim/	Basic global protocol-independent multicast (PIM) Sparse parameters on a device within the PIM Sparse domain.
<base_URI>/config/running/router/pim/max-mc-cache	Maximum multicast cache size.
<base_URI>/config/running/router/pim/hello-interval	Sets the frequency with which the device sends PIM hello messages to its neighbors.
<base_URI>/config/running/router/pim/prune-wait	Configures the time interval to wait for an override before pruning.
<base_URI>/config/running/router/pim/nbr-timeout	Sets neighbor timeout.
<base_URI>/config/running/router/pim/inactivity-timer	Sets inactivity interval.
<base_URI>/config/running/router/pim/message-interval	Sets periodic join/prune message interval.
<base_URI>/config/running/router/pim/spt-threshold	Sets threshold for switching to shortest-path-tree.
<base_URI>/config/running/router/pim/rpf	Reverse path to the source.
<base_URI>/config/running/router/pim/rpf/ecmp	Multicast ECMP load sharing.
<base_URI>/config/running/router/pim/rpf/ecmp/rebalance	Multicast ECMP load sharing with dynamic rebalancing.
<base_URI>/config/running/router/pim/ssm-enable	Enables SSM mode for PIM.
<base_URI>/config/running/router/pim/ssm-enable/range	Sets the multicast address range to use for SSM.
<base_URI>/config/running/router/pim/bsr-candidate	Sets candidate bootstrap router.
<base_URI>/config/running/router/pim/rp-candidate	Configures candidate rendezvous point (RP).
<base_URI>/config/running/router/pim/anycast-rp	Sets Anycast RP address and peers.
<base_URI>/config/running/router/pim/rp-address	Configures a device interface as a rendezvous point (RP).
<base_URI>/config/running/router/pim/rp-address/{IP-address}/prefix-list	Configures a device as a candidate rendezvous point (RP) for all multicast groups with the prefix 224.0.0.0/4, by default, and explicitly adds or deletes groups with other prefixes.
<base_URI>/config/running/router/pim/route-precedence	Specifies Route Selection criteria.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/router/pim

Request Body

None

Response Body

```
<pim xmlns="urn:brocade.com:mgmt:brocade-pim" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/router/pim">
  <max-mcache>24000</max-mcache>
  <hello-interval>10</hello-interval>
  <prune-wait>10</prune-wait>
  <message-interval>30</message-interval>
  <spt-threshold>0</spt-threshold>
  <rpf y:self="/rest/config/running/router/pim/rpf">
    <ecmp y:self="/rest/config/running/router/pim/rpf/ecmp">
      <rebalance>true</rebalance>
    </ecmp>
  </rpf>
  <bsr-candidate y:self="/rest/config/running/router/pim/bsr-candidate">
    <interface y:self="/rest/config/running/router/pim/bsr-candidate/interface/loopback%2C3">
      <bsr-cand-intf-type>loopback</bsr-cand-intf-type>
      <bsr-cand-intf-id>3</bsr-cand-intf-id>
    </interface>
  </bsr-candidate>
  <rp-candidate y:self="/rest/config/running/router/pim/rp-candidate">
    <interface y:self="/rest/config/running/router/pim/rp-candidate/interface/loopback%2C3">
      <rp-cand-intf-type>loopback</rp-cand-intf-type>
      <rp-cand-intf-id>3</rp-cand-intf-id>
    </interface>
    <prefix y:self="/rest/config/running/router/pim/rp-candidate/prefix/pre1">
      <rp-cand-prefix-name>pre1</rp-cand-prefix-name>
    </prefix>
  </rp-candidate>
  <anycast-rp y:self="/rest/config/running/router/pim/anycast-rp/1.1.1.1">
    <anycast-ip-addr>1.1.1.1</anycast-ip-addr>
  </anycast-rp>
  <rp-address y:self="/rest/config/running/router/pim/rp-address/135.135.135.135">
    <rp-ip-addr>135.135.135.135</rp-ip-addr>
  </rp-address>
  <route-precedence y:self="/rest/config/running/router/pim/route-precedence">
    <uc-default>true</uc-default>
    <uc-non-default>true</uc-non-default>
  </route-precedence>
</pim>
```

History

Release version	History
16r.1.00	This API call was introduced.

rmon

Configures, modifies, or retrieves Remote Monitoring Protocol (RMON) information.

Resource URIs

URI	Description
<base_URI>/config/running/rmon	Remote Monitoring Protocol (RMON).

GET URIs	Description
<base_URI>/config/running/rmon	Remote Monitoring Protocol (RMON).
<base_URI>/config/running/rmon/event/{event-index}/description	Retrieves event description.
<base_URI>/config/running/rmon/event/{event-index}/log	Retrieves logged events.
<base_URI>/config/running/rmon/event/{event-index}/trap	Retrieves event trap information.
<base_URI>/config/running/rmon/event/{event-index}/owner	Retrieves event owner identity.
<base_URI>/config/running/rmon/alarm/{alarm-index}/event	Retrieves event for falling alarm.
<base_URI>/config/running/rmon/alarm/{alarm-index}/owner	Retrieves alarm owner identity.

POST URIs	Payload	Description
<base_URI>/config/running/rmon	<event><event-index>(int32)</event-index></event>	Configures RMON event.
<base_URI>/config/running/rmon	<alarm><alarm-index>(int32)</alarm-index><snmp-oid>(string)</snmp-oid><interval>(int32)</interval><type>(string)</type><rising-threshold>(unit32)</rising-threshold><event>(int32)</event></alarm>	Configures RMON alarm.

PATCH URIs	Payload	Description
<base_URI>/config/running/rmon/event/{event-index}	<event><description>(string)</description></event>	Configures RMON event description.
<base_URI>/config/running/rmon/event/{event-index}	<event><log>(string)</log></event>	Configures event log.
<base_URI>/config/running/rmon/event/{event-index}	<event><trap>(string)</trap></event>	Configures event trap.
<base_URI>/config/running/rmon/event/{event-index}	<event><owner>(string)</owner></event>	Configures event owner.
<base_URI>/config/running/rmon/alarm/{alarm-index}	<alarm><snmp-oid>(string)</snmp-oid><interval>(int32)</interval><type>(string)</type><rising-threshold>(unit32)</rising-threshold><event>(int32)</event></alarm>	Configures RMON alarm.
<base_URI>/config/running/rmon/alarm/{alarm-index}	<alarm><falling-threshold>(uint32)</falling-threshold><event>(int32)</event></alarm>	Configures alarm falling threshold.
<base_URI>/config/running/rmon/alarm/{alarm-index}	<alarm><owner>(string)</owner></alarm>	Configures alarm owner.

PUT URIs	Payload	Description
<base_URI>/config/running/rmon/event/{event-index}	<description>(string)</description>	Configures RMON event description.
<base_URI>/config/running/rmon/event/{event-index}/log	<log>(string)</log>	Configures event log.
<base_URI>/config/running/rmon/event/{event-index}/trap	<trap>(string)</trap>	Configures event trap.
<base_URI>/config/running/rmon/event/{event-index}/owner	<owner>(string)</owner>	Configures event owner.
<base_URI>/config/running/rmon/alarm/{alarm-index}	<alarm><falling-threshold>(uint32)</falling-threshold><event>(int32)</event></alarm>	Configures alarm falling threshold.
<base_URI>/config/running/rmon/alarm/{alarm-index}/owner	<owner>(string)</owner>	Configures alarm owner.

DELETE URIs
<base_URI>/config/running/rmon/event/{event-index}
<base_URI>/config/running/rmon/event/{event-index}/description
<base_URI>/config/running/rmon/event/{event-index}/log
<base_URI>/config/running/rmon/event/{event-index}/trap
<base_URI>/config/running/rmon/event/{event-index}/owner
<base_URI>/config/running/rmon/alarm/{alarm-index}
<base_URI>/config/running/rmon/alarm/{alarm-index}/event
<base_URI>/config/running/rmon/alarm/{alarm-index}/owner

Parameters

alarm-index

Configures RMON alarm. The range is from 1 to 65535.

rising-threshold

Configures rising threshold. The range is from 0 to 4294967295.

falling-threshold

Configures falling threshold. The range is from 0 to 4294967295.

snmp-oid

Configures SNMP OID.

interval

Configures alarm sample interval.

event-index

Configures RMON event. The range is from 1 to 65535.

Usage Guidelines

GET, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/rmon/event/200/description

Request Body

None

Response Body

```
<description xmlns="urn:brocade.com:mgmt:brocade-rmon" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/rmon/event/200/description">hi_32768</description>
```

The following example uses the POST option to configure alarm.

URI

http://host:80/rest/config/running/rmon

Request Body

```
<alarm>
  <alarm-index>100</alarm-index>
  <snmp-oid>1.3.6.1.2.1.16.1.1.1.5.65535</snmp-oid>
  <interval>10</interval>
  <type>absolute</type>
  <rising-threshold>10000</rising-threshold>
  <event>100</event>
</alarm>
```

Response Body

None

The following example uses the DELETE option to remove RMON event.

URI

http://host:80/rest/config/running/rmon/event/100

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

rule/{rule-name}/action

Creates role-based access permissions (RBAC) associated with a role.

Resource URIs

URI	Description
<base_URI>/config/running/rule	Creates RBAC associated with a role.

Parameters

index

Specifies a numeric identifier for the rule.

action

Specifies whether the user is accepted or rejected while attempting to execute the specified command.

operation

Specifies the type of operation permitted.

role

Specifies the name of the role.

command

Specifies the command for which access is defined.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

The switch obtains its configuration from the principal node. Enabling this feature solves most node-segmentation issues.

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/config/runnin/rule/5

Request Body

None

Response Body

```
<rule xmlns=""urn:brocade.com:mgmt:brocade-aaa"" xmlns:y=""http://brocade.com/ns/rest"" y:self=""/rest/
config/running/rule/5"">
  <index>5</index>
  <action>reject</action>
  <operation>read-write</operation>
  <role>testRole</role>
  <command y:self=""/rest/config/running/rule/5/command"">
    <show y:self=""/rest/config/running/rule/5/command/show"">
      <running-config y:self=""/rest/config/running/rule/5/command/show/running-config"">
        </running-config>
      </show>
    </command>
  </rule>
```

The following example uses the PATCH option to modify the RBAC associated with a role.

URI

http://host:80/rest/config/running/rule/5

Request Body

```
<rule>
  <index>5</index>
  <action>reject</action>
  <operation>read-write</operation>
  <role>testRole</role>
</rule>
```

Response Body

None

The following example uses the DELETE option to delete the RBAC associated with a role.

URI

http://host:80/rest/config/running/rule/5

Request Body

None

Response Body

None

History

Release version	History
7.1.0	This API call was introduced.

rule/{rule-name}/command/show running-config

Displays the running-config rule for a user.

Resource URIs

URI	Description
<base_URI>/config/running/rule/{rule-name}/command/show running-config	Displays the running-config rule.

Parameters

index

Specifies a numeric identifier for the rule.

action

Specifies whether the user is accepted or rejected while attempting to execute the specified command.

operation

Specifies the type of operation permitted.

role

Specifies the name of the role.

command

Specifies the command for which access is defined.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

The switch obtains its configuration from the principal node. Enabling this feature solves most node-segmentation issues.

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/config/running/rule/{rule-name}/command/show running-config

Request Body

None

Response Body

```
<rule xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/
config/running/rule/5">
  <index>5</index>
  <action>reject</action>
  <operation>read-write</operation>
  <role>testRole</role>
  <command y:self="/rest/config/running/rule/5/command">
    <show y:self="/rest/config/running/rule/5/command/show">
      <running-config y:self="/rest/config/running/rule/5/command/show/running-config">
        </running-config>
      </show>
    </command>
  </rule>
```

The following example uses the PATCH option to modify the rule .

URI

http://host:80/rest/config/running/rule/{rule-name}/command/show running-config

Request Body

```
<rule>
  <index>5</index>
  <command>
    <show>
      <running-config>
        </running-config>
      </show>
    </command>
  </rule>
```

Response Body

None

The following example uses the DELETE option to delete the rule.

URI

http://host:80/rest/config/running/rule/{rule-name}

Request Body

None

Response Body

None

History

Release version	History
7.1.0	This API call was introduced.

sflow

Configures, modifies, or retrieves sFlow configuration.

Resource URIs

URI	Description
<base_URI>/config/running/sflow	sFlow configuration.

GET URIs	Description
<base_URI>/config/running/sflow	sFlow configuration.
<base_URI>/config/running/sflow/enable	Retrieves if sFlow is enabled globally or not.
<base_URI>/config/running/sflow/source-interface	Retrieves sFlow source IP interface.
<base_URI>/config/running/sflow//source-interface/interface-name	Retrieves the sFlow interface information.
<base_URI>/config/running/sflow/collector/{collector-ip-address}/ {collector-port-number}/{use-vrf}	Retrieves sFlow collector configuration.
<base_URI>/config/running/sflow/polling-interval	Retrieves interface counter polling interval details.
<base_URI>/config/running/sflow/sample-rate	Retrieves interface sampling rate.

POST URIs	Payload	Description
<base_URI>/config/running/sflow	<collector><collector-ip-address>[inet:ip-address]</collector-ip-address><collector-port-number>{uint32}</collector-port-number><use-vrf>{common-def:vrf-name}</use-vrf></collector>	Configures sFlow collector.

PATCH URIs	Payload	Description
<base_URI>/config/running/sflow	<sflow><enable>true</enable></sflow>	Enables sFlow.
<base_URI>/config/running/sflow/source-interface	<source-interface><interface-type>{source-interface-type}</interface-type><interface-name>[loopback:intf-loopback-port-type]</interface-name></source-interface>	Configures sFlow source interface.
<base_URI>/config/running/sflow	<sflow><polling-interval>{uint32}</polling-interval></sflow>	Configures sFlow polling interval.
<base_URI>/config/running/sflow	<sflow><sample-rate>{uint32}</sample-rate></sflow>	Configures sFlow sampling rate.

PUT URIs	Payload	Description
<base_URI>/config/running/sflow	<sflow><enable>true</enable></sflow>	Enables sFlow.
<base_URI>/config/running/sflow/source-interface	<source-interface><interface-type>{source-interface-type}</interface-type><interface-name>[loopback:intf-loopback-port-type]</interface-name></source-interface>	Configures sFlow source interface.
<base_URI>/config/running/sflow/polling-interval	<sflow><polling-interval>{uint32}</polling-interval></sflow>	Configures sFlow polling interval.
<base_URI>/config/running/sflow/sample-rate	<sflow><sample-rate>{uint32}</sample-rate></sflow>	Configures sFlow sampling rate.

DELETE URIs
<base_URI>/config/running/sflow
<base_URI>/config/running/sflow/source-interface
<base_URI>/config/running/sflow/collector/{collector-ip-address}/{collector-port-number}/{use-vrf}
<base_URI>/config/running/sflow/polling-interval
<base_URI>/config/running/sflow/sample-rate

Parameters

collector-ip-address

Specifies the IP address of the sFlow collector.

collector-port-number

Specifies the port number used by the sFlow collector. The value can range from 1 through 65535.

use-vrf

VRF to use for sending data to the collector (default = mgmt-vrf).

source-ip

Specifies the source IP address to use.

polling-interval

Specifies polling interval value. The value can range from 1 through 65535. The default value is 20.

sample-rate

Specifies sampling rate value. The value can range from 2 through 16777215. The default value is 32768.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/sflow

Request Body

None

Response Body

```
<sflow xmlns=""urn:brocade.com:mgmt:brocade-sflow"" xmlns:y=""http://brocade.com/ns/rest"" y:self=""/
rest/config/running/sflow"">
  <enable>true</enable>
  <source-interface y:self=""/rest/config/running/sflow/source-interface"">
  </source-interface>
  <collector y:self=""/rest/config/running/sflow/collector/34.1.1.2%2C6343%2Cvrf2"">
    <collector-ip-address>34.1.1.2</collector-ip-address>
    <collector-port-number>6343</collector-port-number>
    <use-vrf>vrf2</use-vrf>
  </collector>
  <collector y:self=""/rest/config/running/sflow/collector/112.1.1.2%2C6343%2Cdefault-vrf"">
    <collector-ip-address>112.1.1.2</collector-ip-address>
    <collector-port-number>6343</collector-port-number>
    <use-vrf>default-vrf</use-vrf>
  </collector>
  <collector y:self=""/rest/config/running/sflow/collector/172.22.12.83%2C6343%2Cmgmt-vrf"">
    <collector-ip-address>172.22.12.83</collector-ip-address>
    <collector-port-number>6343</collector-port-number>
    <use-vrf>mgmt-vrf</use-vrf>
  </collector>
  <collector y:self=""/rest/config/running/sflow/collector/fdd1:a123:b123:c123:34:1:1:2%2C6622%2Cvrf2"">
    <collector-ip-address>fdd1:a123:b123:c123:34:1:1:2</collector-ip-address>
    <collector-port-number>6622</collector-port-number>
    <use-vrf>vrf2</use-vrf>
  </collector>
  <collector y:self=""/rest/config/running/sflow/collector/
fdd1:a123:b123:c123:112:1:1:2%2C6343%2Cdefault-vrf"">
    <collector-ip-address>fdd1:a123:b123:c123:112:1:1:2</collector-ip-address>
    <collector-port-number>6343</collector-port-number>
    <use-vrf>default-vrf</use-vrf>
  </collector>
  <polling-interval>44</polling-interval>
  <sample-rate>456</sample-rate>
</sflow>
```

The following example uses the POST option to configure sFlow collector.

URI

http://host:80/rest/config/running/sflow

Request Body

```
<collector>
  <collector-ip-address>fdd1:a123:b123:c123:112:1:1:2</collector-ip-address>
  <collector-port-number>6343</collector-port-number>
  <use-vrf>default-vrf</use-vrf>
</collector>
```

Response Body

None

The following example uses the DELETE option to remove the sFlow sampling rate.

URI

http://host:80/rest/config/running/sflow/sample-rate

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

system-monitor

Configures, modifies, or retrieves FRU threshold and alert setting.

Resource URIs

GET URIs	Description
<base_URI>/config/running/system-monitor	Retrieves FRU threshold and alert setting.
<base_URI>/config/running/system-monitor/fan	Retrieves threshold and alert setting for component: FAN.
<base_URI>/config/running/system-monitor/power	Retrieves threshold and alert setting for component: POWER SUPPLY.
<base_URI>/config/running/system-monitor/temp	Retrieves threshold and alert setting for component: TEMPERATURE SENSOR.
<base_URI>/config/running/system-monitor/cid-card	Retrieves threshold and alert setting for component: CIS-CARD.
<base_URI>/config/running/system-monitor/sfp	Retrieves threshold and alert setting for component: SFP.
<base_URI>/config/running/system-monitor/compact-flash	Retrieves threshold component: COMPACT-FLASH.
<base_URI>/config/running/system-monitor/mm	Retrieves threshold setting for component: MM.
<base_URI>/config/running/system-monitor/linecard	Retrieves threshold and alert setting for component: LINECARD.
<base_URI>/config/running/system-monitor/sfm	Retrieves threshold setting for component: SFM.
<base_URI>/config/running/system-monitor/port	Retrieves threshold, alert and action settings for Port CRC Monitoring

PUT URIs	Payload	Description
/rest/config/running/system-monitor/fan/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of the Fan component.
/rest/config/running/system-monitor/fan/threshold/down-threshold	<down-threshold>(unit32)</down-threshold>	Configures minimum number contributing to DOWN state of the Fan component.
/rest/config/running/system-monitor/fan/alert/state	<state>removed</state>	Configures alerts for Fan state.
/rest/config/running/system-monitor/fan/alert/action	<action>raslog</action>	Configure action to be taken.
/rest/config/running/system-monitor/power/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of the Power component.
/rest/config/running/system-monitor/power/threshold/down-threshold	<down-threshold>(unit32)</down-threshold>	Configures minimum number contributing to DOWN state of the Power component.
/rest/config/running/system-monitor/power/alert/state	<state>removed</state>	Configures alerts for Power state.
/rest/config/running/system-monitor/power/alert/action	<action>raslog</action>	Configure action to be taken.
/rest/config/running/system-monitor/temp/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of the Temperature component.
/rest/config/running/system-monitor/temp/threshold/down-threshold	<down-threshold>(unit32)</down-threshold>	Configures minimum number contributing to DOWN state of the Temperature component.
/rest/config/running/system-monitor/cid-card/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of the CID crash.
/rest/config/running/system-monitor/cid-card/threshold/down-threshold	<down-threshold>(unit32)</down-threshold>	Configures minimum number contributing to DOWN state of the CID crash.

PUT URIs	Payload	Description
/rest/config/running/system-monitor/cid-card/alert/state	<state>removed</state>	Configures alerts for CID crash state.
/rest/config/running/system-monitor/cid-card/alert/action	<action>raslog</action>	Configure action to be taken.
/rest/config/running/system-monitor/compact-flash/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of the compact flash.
/rest/config/running/system-monitor/compact-flash/threshold/down-threshold	<down-threshold>(unit32)</down-threshold>	Configures minimum number contributing to DOWN state of the compact flash.
/rest/config/running/system-monitor/MM/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of MM.
/rest/config/running/system-monitor/LineCard/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of LineCard.
/rest/config/running/system-monitor/LineCard/threshold/down-threshold	<down-threshold>(unit32)</down-threshold>	Configures minimum number contributing to DOWN state of the LineCard.
/rest/config/running/system-monitor/LineCard/alert/state	<state>inserted</state>	Configures alerts for LineCard state.
/rest/config/running/system-monitor/LineCard/alert/action	<action>raslog</action>	Configure action to be taken.
/rest/config/running/system-monitor/port		
/rest/config/running/system-monitor/SFM/threshold/marginal-threshold	<marginal-threshold>(unit32)</marginal-threshold>	Configures minimum number contributing to MARGINAL state of SFM.
/rest/config/running/system-monitor/SFM/threshold/down-threshold	<down-threshold>(unit32)</down-threshold>	Configures minimum number contributing to DOWN state of SFM.

Parameters

action

Specifies the response type. Supported types are:

all

Specifies that e-mail and RASLog messaging are used.

email

Specifies that an e-mail message is sent.

none

Specifies that no message is sent.

raslog

Specifies RASLog messaging.

state

Specifies the hardware state to be monitored. Supported states are:

all

Specifies that all hardware states are monitored.

faulty

Specifies that hardware is monitored for faults.

inserted

Specifies that the insertion state of hardware is monitored.

none
Specifies that no hardware states are monitored.

on
Specifies that the hardware on/off state is monitored.

removed
Specifies that the removal of hardware is monitored.

down-threshold
Specifies an integer value that, when exceeded, indicates when hardware is down.

marginal-threshold
Specifies an integer value that, when exceeded, indicates when hardware is operating marginally.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/system-monitor

Request Body

None

Response Body

```
<system-monitor xmlns="urn:brocade.com:mgmt:brocade-system-monitor" xmlns:y="http://brocade.com/ns/
rest" y:self="/rest/config/running/system-monitor">
  <fan y:self="/rest/config/running/system-monitor/fan">
    <threshold y:self="/rest/config/running/system-monitor/fan/threshold">
      <marginal-threshold>1</marginal-threshold>
      <down-threshold>2</down-threshold>
    </threshold>
    <alert y:self="/rest/config/running/system-monitor/fan/alert">
      <state>removed</state>
      <action>raslog</action>
    </alert>
  </fan>
  <power y:self="/rest/config/running/system-monitor/power">
    <threshold y:self="/rest/config/running/system-monitor/power/threshold">
      <marginal-threshold>3</marginal-threshold>
      <down-threshold>4</down-threshold>
    </threshold>
    <alert y:self="/rest/config/running/system-monitor/power/alert">
      <state>removed</state>
      <action>raslog</action>
    </alert>
  </power>
  <temp y:self="/rest/config/running/system-monitor/temp">
    <threshold y:self="/rest/config/running/system-monitor/temp/threshold">
      <marginal-threshold>1</marginal-threshold>
      <down-threshold>2</down-threshold>
    </threshold>
  </temp>
  <cid-card y:self="/rest/config/running/system-monitor/cid-card">
    <threshold y:self="/rest/config/running/system-monitor/cid-card/threshold">
      <marginal-threshold>1</marginal-threshold>
      <down-threshold>0</down-threshold>
    </threshold>
    <alert y:self="/rest/config/running/system-monitor/cid-card/alert">
      <state>removed</state>
      <action>raslog</action>
    </alert>
  </cid-card>
  <sfp y:self="/rest/config/running/system-monitor/sfp">
    <alert y:self="/rest/config/running/system-monitor/sfp/alert">
      <state>none</state>
      <action>none</action>
    </alert>
  </sfp>
  <compact-flash y:self="/rest/config/running/system-monitor/compact-flash">
    <threshold y:self="/rest/config/running/system-monitor/compact-flash/threshold">
      <marginal-threshold>1</marginal-threshold>
      <down-threshold>0</down-threshold>
    </threshold>
  </compact-flash>
  <MM y:self="/rest/config/running/system-monitor/MM">
```

```

    <threshold y:self="/rest/config/running/system-monitor/MM/threshold">
      <marginal-threshold>1</marginal-threshold>
      <down-threshold>0</down-threshold>
    </threshold>
  </MM>
  <LineCard y:self="/rest/config/running/system-monitor/LineCard">
    <threshold y:self="/rest/config/running/system-monitor/LineCard/threshold">
      <marginal-threshold>1</marginal-threshold>
      <down-threshold>0</down-threshold>
    </threshold>
    <alert y:self="/rest/config/running/system-monitor/LineCard/alert">
      <state>removed</state>
      <action>raslog</action>
    </alert>
  </LineCard>
  <SFM y:self="/rest/config/running/system-monitor/SFM">
    <threshold y:self="/rest/config/running/system-monitor/SFM/threshold">
      <marginal-threshold>1</marginal-threshold>
      <down-threshold>0</down-threshold>
    </threshold>
  </SFM>
</system-monitor>

```

The following example uses the PUT option to configure fan marginal threshold.

URI

http://host:80/rest/config/running/system-monitor

Request Body

```
<marginal-threshold>1</marginal-threshold>
```

Response Body

None

History

Release version	History
16r. 1.00	This API call was introduced.

system-monitor-mail

Configures, modifies, or retrieves FRU mail settings.

Resource URIs

URI	Description
<base_URI>/config/running/system-monitor-mail	Configures the FRU email alerts.
<base_URI>/config/running/system-monitor-mail/fru	FRU mail settings. Refer to system-monitor-mail/fru for more information.
<base_URI>/config/running/system-monitor-mail/interface	Interface mail settings. Refer to system-monitor-mail/interface for more information.
<base_URI>/config/running/system-monitor-mail/relay	Relay IP mail settings. Refer to system-monitor-mail/relay for more information.
<base_URI>/config/running/system-monitor-mail/security	Security mail settings. Refer to system-monitor-mail/security for more information.
<base_URI>/config/running/system-monitor-mail/sfp	SFP mail settings. Refer to system-monitor-mail/sfp for more information.

POST URI	Payload	Description
/rest/config/running/system-monitor-mail	<relay><host-ip>{inet:host}</host-ip></relay>	Creates FRU email alerts.

Parameters

fru

Configures FRU mail settings.

interface

Configures interface mail settings.

relay

Configures relay IP mail settings.

security

Configures security mail settings.

sfp

Configures SFP mail settings.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/system-monitor-mail

Request Body

None

Response Body

```
<system-monitor-mail xmlns="urn:brocade.com:mgmt:brocade-system-monitor" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/system-monitor-mail">
  <fru y:self="/rest/config/running/system-monitor-mail/fru"/>
  <sfp y:self="/rest/config/running/system-monitor-mail/sfp"/>
  <security y:self="/rest/config/running/system-monitor-mail/security"/>
  <interface y:self="/rest/config/running/system-monitor-mail/interface"/>
  <relay y:self="/rest/config/running/system-monitor-mail/relay/10.20.38.100"/>
</system-monitor-mail>
```

History

Release version	History
16r.1.00	This API call was introduced.

system-monitor-mail/fru

Configures, modifies, or retrieves FRU mail settings.

Resource URIs

URI	Description
<base_URI>/config/running/system-monitor-mail	Configures the FRU email alerts..
<base_URI>/config/running/system-monitor-mail/fru	FRU mail settings.

POST URI	Payload	Description
/rest/config/running/system-monitor-mail/fru	<email-list><email>(string)</email></email-list>	Configures email alerts for the FRUs.

PUT URI	Payload	Description
/rest/config/running/system-monitor-mail/fru/enable	<enable>true</enable>	Modifies email settings for the FRUs.

Parameters

email

Specifies e-mail address for FRU alerts.

enable

Enables FRU e-mail alerts.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/system-monitor-mail/fru

Request Body

None

Response Body

```
<fru y:self="/rest/config/running/system-monitor-mail/fru">
  <enable>true</enable>
  <email-list y:self="/rest/config/running/system-monitor-mail/fru/email-list/abc@brocade.com">
    <email>abc@brocade.com</email>
  </email-list>
</fru>
```

History

Release version	History
16r.1.00	This API call was introduced.

system-monitor-mail/interface

Configures, modifies, or retrieves interface mail settings.

Resource URIs

URI	Description
<base_URI>/config/running/system-monitor-mail	Configures the FRU email alerts.
<base_URI>/config/running/system-monitor-mail/interface	Configures email alerts for the interface.

POST URI	Payload	Description
/rest/config/running/system-monitor-mail/interface	<email-list><email>(string)</email></email-list>	Configures email address for interface.

PUT URI	Payload	Description
/rest/config/running/system-monitor-mail/interface/enable	<enable>true</enable>	Modifies email settings for interface.

Parameters

email

Specifies e-mail address for interface alerts.

enable

Enables interface e-mail alerts.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/system-monitor-mail/interface

Request Body

None

Response Body

```
<interface y:self="/rest/config/running/system-monitor-mail/interface">
  <enable>true</enable>
  <email-list y:self="/rest/config/running/system-monitor-mail/interface/email-list/abc1@brocade.com">
    <email>abc1@brocade.com</email>
  </email-list>
</interface>
```

History

Release version	History
16r.1.00	This API call was introduced.

system-monitor-mail/relay

Configures, modifies, or retrieves relay IP mail settings.

Resource URIs

URI	Description
<base_URI>/config/running/system-monitor-mail	Configures the FRU email alerts.
<base_URI>/config/running/system-monitor-mail/relay	Relay IP mail settings.

Parameters

host-ip

Specifies host IP address.

domain-name

Specifies domain server name.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/system-monitor-mail/relay

Request Body

None

Response Body

```
<relay y:self="/rest/config/running/system-monitor-mail/relay/10.20.38.100">
  <host-ip>10.20.38.100</host-ip>
  <domain-name>domain1</domain-name>
</relay>
```

The following is an example of the POST operation to configure the relay host for e-mail to work in a non-DNS environment.

URI

http://host:80/rest/config/running/system-monitor-mail

Request Body

```
<relay>
  <host-ip>10.20.38.120</host-ip>
  <domain-name>domain1</domain-name>
</relay>
```

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

system-monitor-mail/security

Configures, modifies, or retrieves security email settings.

Resource URIs

URI	Description
<base_URI>/config/running/system-monitor-mail	Configures the FRU email alerts.
<base_URI>/config/running/system-monitor-mail/security	Security email settings.

POST URIs	Payload	Description
/rest/config/running/system-monitor-mail/security	<email-list><email>(string)</email></email-list>	Configures the security email alerts.

PUT URIs	Payload	Description
/rest/config/running/system-monitor-mail/security/enable	<enable>true</enable>	Modifies the security email alerts.

Parameters

email

Specifies e-mail address for security alerts.

enable

Enables security e-mail alerts.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/system-monitor-mail/security

Request Body

None

Response Body

```
<security y:self="/rest/config/running/system-monitor-mail/security">
  <enable>true</enable>
  <email-list y:self="/rest/config/running/system-monitor-mail/security/email-list/abc@brocade.com">
    <email>abc@brocade.com</email>
  </email-list>
</security>
```

The following is an example of the DELETE operation to remove the security e-mail settings.

URI

http://host:80/rest/config/running/system-monitor-mail/security

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

system-monitor-mail/sfp

Configures, modifies, or retrieves SFP email settings.

Resource URIs

URI	Description
<base_URI>/config/running/system-monitor-mail	Configures the FRU email alerts.
<base_URI>/config/running/system-monitor-mail/sfp	Configures email alerts for the SFP.

POST URIs	Payload	Description
/rest/config/running/system-monitor-mail/sfp	<email-list><email>(string)</email></email-list>	Configures a new email alerts for the SFP.

PUT URIs	Payload	Description
/rest/config/running/system-monitor-mail/sfp/enable	<enable>true</enable>	Modifies the SFP email alert.

Parameters

email

Specifies e-mail address for SFP alerts.

enable

Enables sfp e-mail alerts.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/system-monitor-mail/sfp

Request Body

None

Response Body

```
sfp y:self="/rest/config/running/system-monitor-mail/sfp">
  <enable>true</enable>
  <email-list y:self="/rest/config/running/system-monitor-mail/sfp/email-list/abc1@brocade.com">
    <email>abc1@brocade.com</email>
  </email-list>
</sfp>
```

History

Release version	History
16r.1.00	This API call was introduced.

tacacs-server

Configures, modifies, or retrieves TACACS+ server configuration.

Resource URIs

URI	Description
<base_URI>/config/running/tacacs-server	TACACS+ server.

Parameters

hostname

Specifies the IP address or domain name of the TACACS+ server. IPv4 and IPv6 addresses are supported.

use-vrf

Specifies the VRF name.

encryption-level

Specifies the level of encryption of the key.

key

Specifies the text string that is used as the shared secret between the switch and the TACACS+ server to make the message exchange secure. The key value can range from 8 through 40 characters in length. The default key is sharedsecret.

port

Specifies the authentication port. Valid values range from 0 through 65535. The default is 49.

protocol

Specifies the authentication protocol. Options include CHAP and PAP. The default is CHAP.

retries

Specifies the number of attempts allowed to connect to a TACACS+ server. The number of retries can range from 0 through 100. The default number of retries is 5.

timeout

Specifies the time to wait for the TACACS+ server to respond. The wait time can range from 1 through 60 seconds. The default wait time is 5 seconds.

source-ip

Specifies the source IP to be used for TACACS+. Source IP can be used from chassis IP and MM IP. Configuring **chassis-ip** uses chassis IP as source address. Configuring **mm-ip** uses local MM IP as source address.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/tacacs-server

Request Body

None

Response Body

```
<tacacs-server xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/
rest/config/running/tacacs-server">
  <host y:self="/rest/config/running/tacacs-server/host/10.20.38.100">
    <hostname>10.20.38.100</hostname>
    <use-vrf>mgmt-vrf</use-vrf>
    <port>55</port>
    <protocol>pap</protocol>
    <key>"Yf0BKEhsc83gp+kIoGMQ/g==\n"</key>
    <encryption-level>7</encryption-level>
    <retries>6</retries>
    <timeout>10</timeout>
  </host>
  <source-ip>chassis-ip</source-ip>
</tacacs-server>
```

The following is an example of the POST operation to add a new host to the TACACS+ server.

URI

http://host:80/rest/config/running/tacacs-server

Request Body

```
<host>
  <hostname>10.20.38.110</hostname>
</host>
```

Response Body

None

The following is an example of the DELETE operation to remove a host name from the TACACS+ server.

URI

http://host:80/rest/config/running/tacacs-server/host/10.20.38.110

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

topology-group

Configures topology VLAN group for L2 protocols.

Resource URIs

URI	Description
<base_URI>/config/running/topology-group	Configures topology vlan group for L2 protocols.

GET URIs	Description
<base_URI>/config/running/topology-group	Retrieves topology group configuration details.
<base_URI>/config/running/topology-group/{group-id}	Retrieves information for a particular topology group.
<base_URI>/config/running/topology-group/{group-id}/master-vlan	Retrieves information about master VLAN.
<base_URI>/config/running/topology-group/{group-id}/member-vlan	Retrieves information about member VLAN.

POST URIs	Payload	Description
<base_URI>/config/running/topology-group	<topology-group><topology-group-id>(unit32)</topology-group-id></topology-group>	Configures topology group.

PATCH URIs	Payload	Description
<base_URI>/config/running/topology-group/{group-id}/master-vlan	<master-vlan>(unit32)</master-vlan>	Configures master VLAN.
<base_URI>/config/running/topology-group/{group-id}/member-vlan	<member-vlan><add>(unit32)</add></member-vlan>	Adds member VLAN.
<base_URI>/config/running/topology-group/{group-id}/member-vlan	<member-vlan><remove>(unit32)</remove></member-vlan>	Removes member VLAN.
<base_URI>/config/running/topology-group/{group-id}/member-vlan/remove	<remove>(unit32)</remove>	Removes member VLAN.

PUT URIs	Payload	Description
<base_URI>/config/running/topology-group/{group-id}/master-vlan	<master-vlan>(unit32)</master-vlan>	Configures master VLAN.
<base_URI>/config/running/topology-group/{group-id}/member-vlan	<member-vlan><add>(unit32)</add></member-vlan>	Adds member VLAN.
<base_URI>/config/running/topology-group/{group-id}/member-vlan/add	<add>(unit32)</add>	Removes member VLAN.
<base_URI>/config/running/topology-group/{group-id}/member-vlan/remove	<remove>(unit32)</remove>	Removes member VLAN.

DELETE URIs
<base_URI>/config/running/topology-group/{group-id}/master-vlan
<base_URI>/config/running/topology-group/{group-id}/member-vlan
<base_URI>/config/running/topology-group/{group-id}/member-vlan/add/{vlan-id}

DELETE URIs

```
<base_URI>/config/running/topology-group/{group-id}/member-vlan/remove/{vlan-id}
```

Parameters

group-id

Specifies topology group ID.

member-vlan

Configures member VLANs.

master-vlan

Configures master VLANs.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

```
http://host:80/rest/config/running/topology-group
```

Request Body

```
<topology-group>
  <topology-group-id>1</topology-group-id>
</topology-group>
```

Response Body

None

The following example uses the DELETE option to remove Topology group master VLAN.

URI

```
http://host:80/rest/config/running/topology-group/1/master-vlan
```

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

vlan

Configures a VLAN.

Resource URIs

URI	Description
<base_URI>/config/running/vlan	Configures a VLAN.

GET URIs	Description
<base_URI>/config/running/vlan/(vlan-num)/ip/pim	Configures IP PIM on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/pim/snooping	Configures IP PIM snooping on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/pim/snooping/enable	Enables IP PIM snooping on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp	Configures IGMP.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	Configures IGMP snooping on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/version	Enables IGMP snooping on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/last-member-query-interval	Configures the IGMP snooping last-member query interval.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/query-interval	Configures the IGMP snooping query interval.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/query-max-response-time	Configures the maximum response time for IGMP snooping queries.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/enable	Enables IGMP snooping on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/fast-leave	Enables IGMP snooping fast-leave processing for a VLAN. This allows the removal of an interface from the forwarding table without sending out group-specific queries to the interface.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/querier	Configures the IGMP snooping querier on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/querier/enable	Activates the IGMP snooping querier on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/mrouter	Configures a VLAN port member to be a multicast router interface.

POST URIs	Payload	Description
<base_URI>/config/running/	<vlan><name>(unit32)</name></vlan>	Creates a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/mrouter	<interface><igmps-if-type>ethernet</igmps-if-type><value>{string}</value></interface>	Configures a VLAN port member to be a multicast router interface.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	<static-group><mcast-address>{inet:ipv4-address}</mcast-address><interface>{enumeration}</interface><igmps-if-type>{enumeration}</igmps-if-type><value>{string-type}</value></static-group>	Configures an interface in a VLAN as a static member of a multicast group.

PUT URIs	Payload	Description
<base_URI>/config/running/vlan/(vlan-num)/router-interface/Ve	<Ve>{unit32}</Ve>	Creates a router VLAN interface.
<base_URI>/config/running/vlan/(vlan-num)/statistics	<statistics>{enum}</statistics>	Enables statistics.
<base_URI>/config/running/vlan/(vlan-num)/description	<description>{string}</description>	Adds the VLAN description.
<base_URI>/config/running/vlan/(vlan-num)/ip/pim/snooping/enable	<enable>{enumeration}</enable>	Enables IP PIM snooping.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/version	<version>{unit32}</version>	Configures the IGMP snooping version.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/last-member-query-interval	<last-member-query-interval>{unit32}</last-member-query-interval>	Configures the IGMP snooping last-member query interval.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/query-interval	<query-interval>{unit32}</query-interval>	Configures the IGMP snooping query interval.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/query-max-response-time	<query-max-response-time>{unit32}</query-max-response-time>	Configures the maximum response time for IGMP snooping queries.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/enable	<enable>{enumeration}</enable>	Enables IGMP snooping on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/fast-leave	<fast-leave>{enumeration}</fast-leave>	Enables IGMP snooping fast-leave processing for a VLAN. This allows the removal of an interface from the forwarding table without sending out group-specific queries to the interface.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/querier/enable	<enable>{enumeration}</enable>	Configures the IGMP snooping querier on a VLAN.

PATCH URIs	Payload	Description
<base_URI>/config/running/vlan/(vlan-num)/ip/pim/snooping	<snooping><enable>{enumeration}</enable></snooping>	Creates a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	<snooping><version>{unit32}</version></snooping>	Configures the IGMP snooping version.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	<snooping><last-member-query-interval>{unit32}</last-member-query-interval></snooping>	Configures the IGMP snooping last-member query interval.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	<snooping><query-interval>{unit32}</query-interval></snooping>	Configures the IGMP snooping query interval.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	<snooping><query-max-response-time>{unit32}</query-max-response-time></snooping>	Configures the maximum response time for IGMP snooping queries.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	<snooping><enable>{enumeration}</enable></snooping>	Enables IGMP snooping on a VLAN.
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping	<snooping><fast-leave>{enumeration}</fast-leave></snooping>	Enables IGMP snooping fast-leave processing for a VLAN. This allows the removal of an interface from the forwarding table without sending out group-specific queries to the interface.

DELETE URIs
<base_URI>/config/running/vlan/(vlan-num)/ip/pim/snooping/enable
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/version
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/last-member-query-interval
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/query-interval
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/query-max-response-time
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/enable
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/fast-leave
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/querier/enable
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/mrouter/interface/{interface-type}/{interface-name}
<base_URI>/config/running/vlan/(vlan-num)/ip/igmp/snooping/static-group/{igmpl3-sg-addr} /interface/{interface-type}/{interface-name}

Parameters

last-member-query-interval

Specifies the the IGMP snooping last-member query interval time in milliseconds. Range is from 100 through 25500 milliseconds. The default is 1000.

query-interval

Specifies the IGMP query interval time in seconds. Range is from 1 through 18000 seconds. The default is 125.

query-max-response-time

Specifies the maximum response time for IGMP queries for an interface in seconds. Range is from 1 through 25 seconds. The default is 10.

version

Specifies the IGMP version number on a device: 1, 2, or 3. Version 2 is the default.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/vlan/11/ip/igmp

Request Body

None

Response Body

```
<igmp xmlns="urn:brocade.com:mgmt:brocade-igmp-snooping" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/vlan/11/ip/igmp">
  <snooping y:self="/rest/config/running/vlan/11/ip/igmp/snooping">
    <version>3</version>
    <querier y:self="/rest/config/running/vlan/11/ip/igmp/snooping/querier">
      </querier>
    <mrouter y:self="/rest/config/running/vlan/11/ip/igmp/snooping/mrouter">
      </mrouter>
    </snooping>
  </igmp>
```

The following is an example of the POST operation to configure a VLAN port member to be a multicast router interface.

URI

http://host:80/rest/config/running/vlan/11/ip/igmp/snooping/mrouter

Request Body

```
<interface><igmps-if-type>ethernet</igmps-if-type><value>3/12</value></interface>
```

Response Body

None

The following is an example of the DELETE operation to remove IGMP snooping last-member query interval.

URI

http://host:80/rest/config/running/vlan/(vlan-num)/ip/igmp/snooping/last-member-query-interval

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

username

Configures, modifies, or retrieves configuration of local users.

Resource URIs

URI	Description
<base_URI>/config/running/username	Configuration of local users.

Parameters

name

Specifies the user name.

desc

Specifies the account description.

enable

Enables or disables the user account. Configuring **true** enables the user account, default value is set to true. Configuring **false** disables user account.

encryption-level

Specifies the level of encryption of the password. Supported configurations are 0 and 7. Configuring 0 sets the password as CLEAR-TEXT. Configuring 7 sets the password as encrypted.

expire

Specifies the date until when the password will remain valid after being updated. The default value is set to "never".

password

Specifies the password of the user.

role

Specifies the role of the user.

access-time

Restricts the hours during the day that the user may be logged in. By default, users are granted 24 hour access. Time values are given in 24 hour format. For example, to restrict access to the daily work schedule, use access-time 0800 to 1800.

end-time

Specifies the end-time for a user's session.

Usage Guidelines

GET, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/username

Request Body

None

Response Body

```
<username xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/username/admin">
  <name>admin</name>
  <password>"BwrsDbB+tABWGWpINOVKoQ==\n"</password>
  <encryption-level>7</encryption-level>
  <role>admin</role>
  <desc>Administrator</desc>
</username>
<username xmlns="urn:brocade.com:mgmt:brocade-aaa" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/username/user1">
  <name>user1</name>
  <password>"Zzq31Rtf/++XZ3uIC1keMw==\n"</password>
  <encryption-level>7</encryption-level>
  <role>user</role>
  <desc>user1</desc>
  <expire>2016-06-06</expire>
  <access-time>1700</access-time>
  <to>1800</to>
</username>
```

The following is an example of the DELETE operation to remove a user name.

URI

http://host:80/rest/config/running/username/user3

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

vlan/dot1q

Configures, modifies, or retrieves VLAN dot1q commands.

Resource URIs

URI	Description
<base_URI>/config/running/vlan	VLAN commands.

GET URIs	Description
<base_URI>/config/running/vlan	VLAN commands.
<base_URI>/config/running/vlan/dot1q	Dot1q parameters.
<base_URI>/config/running/vlan/dot1q/tag/native	Retrieves Dot1q parameter.

PUT URI	Payload	Description
<base_URI>/config/running/vlan/dot1q/tag/native	<native></native>	Configures Dot1q parameter.

DELETE URIs
<base_URI>/config/running/vlan/dot1q/tag/native

Parameters

native

Enables tagged behavior for native-VLANs.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/vlan/dot1q/tag/native

Request Body

None

Response Body

```
<native xmlns="urn:brocade.com:mgmt:brocade-vlan" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/vlan/dot1q/tag/native">true</native>\r
```

The following example uses the PUT option to configure native tag.

URI

http://host:80/rest/config/running/vlan/dot1q/tag/native

Request Body

```
<native></native>
```

Response Body

None

The following example uses the DELETE option to remove Dot1q configuration.

URI

http://host:80/rest/config/running/vlan/dot1q/tag/native

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

vlan/{vlan-name}/mac

Configures MAC access group.

Resource URIs

URI	Description
http://host:80/rest/config/running/vlan/{vlan-name}/mac	Configures MAC access group.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/vlan/445/mac

Request Body

None

Response Body

```
<access-group xmlns="urn:brocade.com:mgmt:brocade-mac-access-list" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/config/running/vlan/445/mac/access-group/mac_1%2Cin">
  <mac-access-list>mac_1</mac-access-list>
  <mac-direction>in</mac-direction>
</access-group>
```

The following example uses the POST option to configure MAC access-group.

URI

http://host:80/rest/config/running/mac

Request Body

```
<access-group>
  <mac-access-list>mac_1</mac-access-list>
  <mac-direction>out</mac-direction>
</access-group>
```

Response Body

None

The following example uses the DELETE a MAC access-group.

URI

http://host:80/rest/config/running/vlan/345/mac/access-group/mac-1/out

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

vrf

Configures, modifies, or retrieves VRF configurations.

Resource URIs

URI	Description
<base_URI>/config/running/vrf	VRF configurations.

GET URIs	Description
<base_URI>/config/running/vrf/{vrf-name}	VRF configurations.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv4/unicast	Retrieves IPv4 address family configurations.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv4/unicast/max-route	Retrieves IPv4 address family max route.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv6/unicast	Retrieves IPv6 address family configurations.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv6/unicast/max-route	Retrieves IPv6 address family max route.
<base_URI>/config/running/vrf/{vrf-name}/ip/router-id	Retrieves IP route details.

POST URIs	Payload	Description
<base_URI>/config/running/	<vrf>(name)</vrf>	Configures VRF.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv4	<unicast />	Configures unicast IPv4 address family.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv6	<unicast />	Configures unicast IPv6 address family.

PUT URIs	Payload	Description
<base_URI>/config/running/vrf/{vrf-name}/ip/router-id	<router-id>(ip-address)</router-id>	Configures IP route.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv4/unicast/max-route	<max-route>(unit32)</max-route>	Configures unicast IPv4 address family max-route.
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv6/unicast/max-route	<max-route>(unit32)</max-route>	Configures unicast IPv6 address family max route.
<base_URI>/config/running/vrf/{vrf-name}	<rd>(ASN:NN)</rd>	Configures route distinguisher.

DELETE URIs
<base_URI>/config/running/vrf/{vrf-name}/ip/router-id
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv4/unicast/max-route
<base_URI>/config/running/vrf/{vrf-name}/address-family/ipv6/unicast/max-route
<base_URI>/config/running/vrf/{vrf-name}

Parameters

<i>vrf-name</i>	Specifies the VRF name.
<i>rd</i>	Specifies the ASN number.
<i>max-route</i>	Specifies the maximum number of routes.
<i>router-id</i>	Specifies IP address.

Usage Guidelines

GET, POST, PUT, PATCH, DELETE, OPTIONS, and HEAD operations are supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/config/running/vrf

Request Body

None

Response Body

```
<vrf xmlns="urn:brocade.com:mgmt:brocade-vrf" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running/vrf/mgmt-vrf">
  <vrf-name>mgmt-vrf</vrf-name>
  <rd>1:2</rd>
  <address-family y:self="/rest/config/running/vrf/mgmt-vrf/address-family">
    <ipv4 y:self="/rest/config/running/vrf/mgmt-vrf/address-family/ipv4">
      <unicast y:self="/rest/config/running/vrf/mgmt-vrf/address-family/ipv4/unicast">
        <max-route>129</max-route>
      </unicast>
    </ipv4>
    <ipv6 y:self="/rest/config/running/vrf/mgmt-vrf/address-family/ipv6">
      <unicast y:self="/rest/config/running/vrf/mgmt-vrf/address-family/ipv6/unicast">
      </unicast>
    </ipv6>
  </address-family>
  <ip y:self="/rest/config/running/vrf/mgmt-vrf/ip">
    <router-id>1.1.1.1</router-id>
  </ip>
  <ipv6 y:self="/rest/config/running/vrf/mgmt-vrf/ipv6">
    <router-id>1.2.1.1</router-id>
  </ipv6>
</vrf>
```

The following is an example of the POST operation to add a VRF.

URI

http://host:80/rest/config/running

Request Body

```
<vrf>vrf1</vrf>
```

Response Body

None

The following is an example of the DELETE operation to remove a VRF.

URI

http://host:80/rest/config/running/vrf/vrf1

Request Body

None

Response Body

None

History

Release version	History
16r.1.00	This API call was introduced.

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adj-neighbor-entries-state

Displays IS-IS neighbor information

Resource URIs

URI	Description
<base_URI>/operational-state/adj-neighbor-entries-state	Displays IS-IS neighbors adjacencies.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor	Displays IS-IS specific neighbor adjacencies.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-state-change-time	Displays Adjacency State Change Time in Seconds.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-type	Displays Type of ISIS Adjacency.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-state	Displays Adjacency State.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/circuit-intf-name	Displays Circuit Interface Name.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/snpa	Displays Subnetwork Point of Attachment.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-holding-time	Displays Adjacency Holding Time.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-priority	Displays Adjacency Priority.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-3way-state	Displays Adjacency 3 Way Hand-Shaking State.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/host-name	Displays Host Name.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-lan-name	Displays Adjacency LAN Name.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-lan-id	Displays Adjacency LAN ID.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-p2p-circ-id	Displays Adjacency Point-to-Point Circuit ID.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-num-adds	Displays number of NSAPS/Areas Associated to the Adjacency.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-use	Displays Adjacency level Usage.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/ip-circuit-id	Displays ISIS IP Circuit ID.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-address	Displays IPv4 Circuit Address.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/ip6-circuit-id	Displays ISIS IPv6 Circuit ID.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-ip6-address	Displays IPv6 Circuit Address.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/bfd-holdover-interval	Displays ISIS BFD Holdover Interval.

URI	Description
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-bfd-holdover-time	Displays ISIS Adjacency BFD holdover timer.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/bfd-state	Displays ISIS BFD State.
<base_URI>/operational-state/adj-neighbor-entries-state/adj-neighbor/val_neighbor-id_val/adj-area	Displays Adjacency Area.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/adj-neighbor-entries-state

Request Body

None

Response Body

```
<adj-neighbor-entries-state xmlns="urn:brocade.com:mgmt:brocade-isis-operational" y:self="/rest/operational-state/adj-neighbor-entries-state">
  <adj-neighbor y:self="/rest/operational-state/adj-neighbor-entries-state/adj-neighbor/IXIA1101">
    <neighbor-id>IXIA1101</neighbor-id>
    <adj-state-change-time>494</adj-state-change-time>
    <adj-type>is-adj-l2</adj-type>
    <adj-state>UP</adj-state>
    <circuit-intf-name>Eth 1/49</circuit-intf-name>
    <snpa>0000.65dd.c2f7</snpa>
    <adj-holding-time>30</adj-holding-time>
    <adj-priority>0</adj-priority>
    <adj-mtprot>adj-mtprot-unknow</adj-mtprot>
    <adj-prot>enum=11</adj-prot>
    <adj-3way-state>adj-3way-state-up</adj-3way-state>
    <adj-lan-name>Fusion1</adj-lan-name>
    <adj-lan-id>3</adj-lan-id>
    <adj-num-adds>6</adj-num-adds>
    <adj-use>level-1-2</adj-use>
    <ip-circuit-id>3</ip-circuit-id>
    <adj-address>140.140.140.2</adj-address>
    <ip6-circuit-id>3</ip6-circuit-id>
    <adj-ip6-address>fe80::200:65ff:fedd:c2f7</adj-ip6-address>
    <adj-area y:self="/rest/operational-state/adj-neighbor-entries-state/adj-neighbor/IXIA1101/adj-area/49.0001">
      <adj-asi-area-name>49.0001</adj-asi-area-name>
    </adj-area>
    <adj-area y:self="/rest/operational-state/adj-neighbor-entries-state/adj-neighbor/IXIA1101/adj-area/01">
      <adj-asi-area-name>01</adj-asi-area-name>
    </adj-area>
  </adj-neighbor>
  <adj-neighbor y:self="/rest/operational-state/adj-neighbor-entries-state/adj-neighbor/IXIA1101">
    <neighbor-id>IXIA1101</neighbor-id>
    <adj-state-change-time>496</adj-state-change-time>
    <adj-type>is-adj-l1</adj-type>
    <adj-state>UP</adj-state>
    <circuit-intf-name>Eth 1/49</circuit-intf-name>
    <snpa>0000.65dd.c2f7</snpa>
    <adj-holding-time>30</adj-holding-time>
    <adj-priority>0</adj-priority>
    <adj-mtprot>adj-mtprot-unknow</adj-mtprot>
    <adj-prot>enum=11</adj-prot>
    <adj-3way-state>adj-3way-state-up</adj-3way-state>
    <adj-lan-name>Fusion1</adj-lan-name>
    <adj-lan-id>3</adj-lan-id>
    <adj-num-adds>6</adj-num-adds>
    <adj-use>level-1-2</adj-use>
    <ip-circuit-id>3</ip-circuit-id>
    <adj-address>140.140.140.2</adj-address>
    <ip6-circuit-id>3</ip6-circuit-id>
    <adj-ip6-address>fe80::200:65ff:fedd:c2f7</adj-ip6-address>
```

adj-neighbor-entries-state

```
</adj-neighbor>  
</adj-neighbor-entries-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

bd-vc-peer-state

Displays the VC peer state.

Resource URIs

URI	Description
<base_URI> /rest/operational-state/bd-vc-peer-state	Displays the VC peer state.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/bd-vc-peer-state

Request Body

None

Response Body

```
<bd-vc-peer-state xmlns="urn:brocade.com:mgmt:brocade-pwm-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/bd-vc-peer-state/1">
  <vc-id>1</vc-id>
  <bd-vc-peer-counter y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-counter">
    <no-of-peer-configured>1</no-of-peer-configured>
    <no-of-peer-operational>1</no-of-peer-operational>
  </bd-vc-peer-counter>
  <bd-vc-peer-data y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2">
    <vc-peer-address>4.4.3.2</vc-peer-address>
    <vc-peer-state>Operational</vc-peer-state>
    <vc-peer-uptime>"22 hr 35 min 20 sec "</vc-peer-uptime>
    <vc-peer-load-balance>true</vc-peer-load-balance>
    <vc-peer-cos-enabled>false</vc-peer-cos-enabled>
    <vc-peer-cos-value>0</vc-peer-cos-value>
    <vc-ldp-tnnl-in-use>"</vc-ldp-tnnl-in-use>
    <vc-local-label>983040</vc-local-label>
    <vc-remote-label>983093</vc-remote-label>
    <vc-local-mtu>1500</vc-local-mtu>
    <vc-remote-mtu>1500</vc-remote-mtu>
    <vc-local-type>4</vc-local-type>
    <vc-remote-type>4</vc-remote-type>
    <vc-proto-tnnl y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-proto-tnnl/rsvp">
      <vc-proto-name>rsvp</vc-proto-name>
      <vc-ldp-tunnel-id>0</vc-ldp-tunnel-id>
      <vc-ldp-name>"</vc-ldp-name>
      <vc-lsp-name>tor4_1</vc-lsp-name>
      <vc-peer-lsp-cos-enabled>false</vc-peer-lsp-cos-enabled>
      <vc-peer-lsp-cos-value>0</vc-peer-lsp-cos-value>
    </vc-proto-tnnl>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-assigned-lsp/tor4_1">
      <vc-lsp-name>tor4_1</vc-lsp-name>
    </vc-assigned-lsp>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-assigned-lsp/tor4_2">
      <vc-lsp-name>tor4_2</vc-lsp-name>
    </vc-assigned-lsp>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-assigned-lsp/tor4_3">
      <vc-lsp-name>tor4_3</vc-lsp-name>
    </vc-assigned-lsp>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-assigned-lsp/tor4_4">
      <vc-lsp-name>tor4_4</vc-lsp-name>
    </vc-assigned-lsp>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-assigned-lsp/tor4_5">
      <vc-lsp-name>tor4_5</vc-lsp-name>
    </vc-assigned-lsp>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-assigned-lsp/tor4_6">
      <vc-lsp-name>tor4_6</vc-lsp-name>
    </vc-assigned-lsp>
  </bd-vc-peer-data>
</bd-vc-peer-state>
```

```

    </vc-assigned-lsp>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-
assigned-lsp/tor4_7">
      <vc-lsp-name>tor4_7</vc-lsp-name>
    </vc-assigned-lsp>
    <vc-assigned-lsp y:self="/rest/operational-state/bd-vc-peer-state/1/bd-vc-peer-data/4.4.3.2/vc-
assigned-lsp/tor4_8">
      <vc-lsp-name>tor4_8</vc-lsp-name>
    </vc-assigned-lsp>
  </bd-vc-peer-data>
</bd-vc-peer-state>

```

History

Release version	History
16r.1.00	This API call was introduced.

bridge-domain-mac-state

Displays the bridge-domain MAC state.

Resource URIs

URI	Description
<base_URI>/operational-state/bridge-domain-mac-state/{bd-id}	Displays the bridge-domain MAC state.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/bridge-domain-mac-state

Request Body

None

Response Body

```
<bridge-domain-mac-state xmlns="urn:brocade.com:mgmt:brocade-l2sys-operational" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/operational-state/bridge-domain-mac-state/1">
  <bd-id>1</bd-id>
  <no-of-mac>20</no-of-mac>
  <no-of-static-mac>0</no-of-static-mac>
</bridge-domain-mac-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

bridge-domain-state

Displays the bridge-domain state.

Resource URIs

URI	Description
<base_URI>/operational-state/bridge-domain-state	Displays the bridge-domain state.

Usage Guidelines

Only GET operation is supported.

URI

http://host:80/rest/operational-state/bridge-domain-state

Request Body

None

Response Body

History

Release version	History
16r.1.00	This API call was introduced.

bridge-domain-state/bridge-domain-list

Displays the bridge-domain list.

Resource URIs

URI	Description
<base_URI>/operational-state/bridge-domain-state/bridge-domain-list	Displays the bridge-domain list.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/bridge-domain-state/bridge-domain-list

Request Body

None

Response Body

```
<bridge-domain-list xmlns="urn:brocade.com:mgmt:brocade-nsm-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/bridge-domain-state/bridge-domain-list/1">
  <bd-id>1</bd-id>
  <vc-id>1</vc-id>
  <active-ac-lif-count>1</active-ac-lif-count>
  <config-ac-lif-count>1</config-ac-lif-count>
  <active-vfi-lif-count>1</active-vfi-lif-count>
  <config-vfi-lif-count>1</config-vfi-lif-count>
  <local-switching>true</local-switching>
  <block-bpdu>true</block-bpdu>
  <bd-type>2</bd-type>
  <ve-ifindex>0</ve-ifindex>
  <pw-profile>tagged</pw-profile>
  <mac-limit>0</mac-limit>
  <statistics>true</statistics>
  <outer-vlan-list y:self="/rest/operational-state/bridge-domain-state/bridge-domain-list/1/outer-vlan-list/501">
    <outer-vlan>501</outer-vlan>
    <no-of-up-tagged-ports>1</no-of-up-tagged-ports>
    <no-of-up-untagged-ports>0</no-of-up-untagged-ports>
    <tagged-ports-list y:self="/rest/operational-state/bridge-domain-state/bridge-domain-list/1/outer-vlan-list/501/tagged-ports-list/%22eth2/32.501%22">
      <lif-name>eth2/32.501</lif-name>
      <lif-ifindex>738200320</lif-ifindex>
      <outer-vlan>501</outer-vlan>
      <inner-vlan>65535</inner-vlan>
      <flags>134</flags>
      <ivid>12289</ivid>
      <encap-id>65568</encap-id>
      <ingress-stats-id>0</ingress-stats-id>
      <egress-stats-id>0</egress-stats-id>
      <op-state>false</op-state>
      <service-instance>501</service-instance>
    </tagged-ports-list>
  </outer-vlan-list>
</bridge-domain-list>
```

History

Release version	History
16r.1.00	This API call was introduced.

cfm-state

Retrieves CFM information.

Resource URIs

URI	Description
<base_URI>/rest/operational-state/cfm-state	Retrieves CFM operational information.
<base_URI>/rest/operational-state/cfm-state/cfm-detail	Retrieves detailed CFM operations information.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain	Retrieves CFM domain information.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/md-level	Retrieves domain level information.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma	Retrieves CFM MA details.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/ma-idx	Retrieves MA index details.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/ma-type	Retrieves MA type details.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/ccm-interval	Retrieves CCM interval information.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/vlan-id	Retrieves VLAN ID.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/priority	Retrieves MA priority.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep	Retrieves MEP details.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/mep-direction	Retrieves MEP direction.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/mep-mac	Retrieves MEP MAC.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/mep-port	Retrieves MEP port.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/port-state	Retrieves MEP port state TLV.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep	Retrieves RMEP details.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep/(rmep-id)/rmep-mac	Retrieves RMETP MAC.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep/(rmep-id)/vlan-id	Retrieves RMEP VLAN ID.
<base_URI>/rest/operational-state/cfm-state/cfm-detail/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep/(rmep-id)/rmep-state	Retrieves RMEP state.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity	Retrieves CFM connectivity details.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain	Retrieves CFM domain details.

URI	Description
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/md-level	Retrieves domain level information.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma	Retrieves CFM MA details.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/ma-idx	Retrieves MA index information.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/ma-type	Retrieves MA type.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/ccm-interval	Retrieves CCM interval.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/vlan-id	Retrieves MA VLAN ID.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/priority	Retrieves priority.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep	Retrieves MEP information.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/mep-direction	Retrieves MEP direction.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/mep-mac	Retrieves MEP MAC.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/mep-port	Retrieves MEP port.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/port-state	Retrieves MEP port state TLV.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep-fail	Retrieves RMEP fail information.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep/(rmep-id)/rmep-mac	Retrieves RMEP MAC.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep/(rmep-id)/vlan-id	Retrieves RMEP VLAN ID.
<base_URI>/rest/operational-state/cfm-state/cfm-connectivity/domain/(domain-name)/ma/(ma-name)/mep/(mep-id)/rmep/(rmep-id)/rmep-state	Retrieves RMEP state.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/cfm-state

Request Body

None

Response Body

```
<cfm-state xmlns="urn:brocade.com:mgmt:brocade-dotlag-operational" y:self="/rest/operational-state/cfm-state">
  <cfm-detail y:self="/rest/operational-state/cfm-state/cfm-detail">
    <domain y:self="/rest/operational-state/cfm-state/cfm-detail/domain/test">
      <md-name>test</md-name>
      <md-level>1</md-level>
      <ma y:self="/rest/operational-state/cfm-state/cfm-detail/domain/test/ma/name">
        <ma-name>name</ma-name>
        <ma-idx>1</ma-idx>
        <ma-type>0</ma-type>
        <ccm-interval>1000</ccm-interval>
        <vlan-id>120</vlan-id>
        <priority>1</priority>
        <mep y:self="/rest/operational-state/cfm-state/cfm-detail/domain/test/ma/name/mep/1">
          <mep-id>1</mep-id>
          <mep-direction>mep-status-down</mep-direction>
          <mep-mac>768e.f809.e813</mep-mac>
          <mep-port>Eth 1/15</mep-port>
          <port-state>1</port-state>
          <rmep-fail>0</rmep-fail>
          <rmep-ok>0</rmep-ok>
        </mep>
      </ma>
    </domain>
  </cfm-detail>
  <cfm-connectivity y:self="/rest/operational-state/cfm-state/cfm-connectivity">
    <domain y:self="/rest/operational-state/cfm-state/cfm-connectivity/domain/test">
      <md-name>test</md-name>
      <md-level>1</md-level>
      <ma y:self="/rest/operational-state/cfm-state/cfm-connectivity/domain/test/ma/name">
        <ma-name>name</ma-name>
        <ma-idx>1</ma-idx>
        <ma-type>0</ma-type>
        <ccm-interval>1000</ccm-interval>
        <vlan-id>120</vlan-id>
        <priority>1</priority>
        <mep y:self="/rest/operational-state/cfm-state/cfm-connectivity/domain/test/ma/name/mep/1">
          <mep-id>1</mep-id>
          <mep-direction>mep-status-down</mep-direction>
          <mep-mac>768e.f809.e813</mep-mac>
          <mep-port>Eth 1/15</mep-port>
          <port-state>1</port-state>
        </mep>
      </ma>
    </domain>
  </cfm-connectivity>
</cfm-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

counts-state

Displays MCT operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/counts-state	Display IS-IS counters information
<base_URI>/operational-state/counts-state/areamis	Displays Area Mismatch count
<base_URI>/operational-state/counts-state/maxareamis	Displays Max Area Mismatch count
<base_URI>/operational-state/counts-state/badidlen	Displays System ID Length Mismatch count
<base_URI>/operational-state/counts-state/seqskip	Displays LSP Sequence Number Skipped count
<base_URI>/operational-state/counts-state/seqerr	Displays LSP Sequence error counts
<base_URI>/operational-state/counts-state/l1dbol	Displays Level-1 Database Overload count
<base_URI>/operational-state/counts-state/l2dbol	Displays Level-2 Database Overload count
<base_URI>/operational-state/counts-state/ownpurge	Displays Our LSP Purged count
<base_URI>/operational-state/counts-state/csnp-l1authfail	Displays CSNP Level-1 Auth Failures count
<base_URI>/operational-state/counts-state/csnp-l2authfail	Displays CSNP Level-2 Auth Failures count
<base_URI>/operational-state/counts-state/psnp-l1authfail	Displays PSNP Level-1 Auth Failures count
<base_URI>/operational-state/counts-state/psnp-l2authfail	Displays PSNP Level-2 Auth Failures count
<base_URI>/operational-state/counts-state/circ-l1authfail	Displays LSP Level-1 Auth Failures count
<base_URI>/operational-state/counts-state/circ-l2authfail	Displays LSP Level-2 Auth Failures count
<base_URI>/operational-state/counts-state/bad-lsp-log	Displays Bad LSP log
<base_URI>/operational-state/counts-state/bad-lsp-log/{type-index}/time-stamp	Displays Bad LSP time-stamp
<base_URI>/operational-state/counts-state/bad-lsp-log/{type-index}/l1-count	Displays Bad LSP l1 count
<base_URI>/operational-state/counts-state/bad-lsp-log/{type-index}/l2-count	Displays Bad LSP l2 count

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/counts-state

Request Body

None

Response Body

```
<counts-state xmlns="urn:brocade.com:mgmt:brocade-isis-operational" y:self="/rest/operational-state/counts-state">
  <areamis>0</areamis>
  <maxareamis>0</maxareamis>
  <badidlen>0</badidlen>
  <seqskip>2</seqskip>
  <seqerr>0</seqerr>
  <l1dbol>0</l1dbol>
  <l2dbol>0</l2dbol>
  <ownpurge>0</ownpurge>
  <csnp-11authfail>0</csnp-11authfail>
  <csnp-12authfail>0</csnp-12authfail>
  <psnp-11authfail>0</psnp-11authfail>
  <psnp-12authfail>0</psnp-12authfail>
  <circ-11authfail>0</circ-11authfail>
  <circ-12authfail>0</circ-12authfail>
  <bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/1">
    <type-index>1</type-index>
    <time-stamp>0</time-stamp>
    <l1-count>0</l1-count>
    <l2-count>0</l2-count>
  </bad-lsp-log>
  <bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/2">
    <type-index>2</type-index>
    <time-stamp>0</time-stamp>
    <l1-count>0</l1-count>
    <l2-count>0</l2-count>
  </bad-lsp-log>
  <bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/3">
    <type-index>3</type-index>
    <time-stamp>0</time-stamp>
    <l1-count>0</l1-count>
    <l2-count>0</l2-count>
  </bad-lsp-log>
  <bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/4">
    <type-index>4</type-index>
    <time-stamp>0</time-stamp>
    <l1-count>0</l1-count>
    <l2-count>0</l2-count>
  </bad-lsp-log>
  <bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/5">
    <type-index>5</type-index>
    <time-stamp>0</time-stamp>
    <l1-count>0</l1-count>
    <l2-count>0</l2-count>
  </bad-lsp-log>
  <bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/6">
    <type-index>6</type-index>
    <time-stamp>0</time-stamp>
    <l1-count>0</l1-count>
    <l2-count>0</l2-count>
  </bad-lsp-log>
</counts-state>
```

```

</bad-lsp-log>
<bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/7">
  <type-index>7</type-index>
  <time-stamp>0</time-stamp>
  <l1-count>0</l1-count>
  <l2-count>0</l2-count>
</bad-lsp-log>
<bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/8">
  <type-index>8</type-index>
  <time-stamp>0</time-stamp>
  <l1-count>0</l1-count>
  <l2-count>0</l2-count>
</bad-lsp-log>
<bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/9">
  <type-index>9</type-index>
  <time-stamp>0</time-stamp>
  <l1-count>0</l1-count>
  <l2-count>0</l2-count>
</bad-lsp-log>
<bad-lsp-log y:self="/rest/operational-state/counts-state/bad-lsp-log/10">
  <type-index>10</type-index>
  <time-stamp>0</time-stamp>
  <l1-count>0</l1-count>
  <l2-count>0</l2-count>
</bad-lsp-log>
</counts-state>

```

History

Release version	History
16r.1.00	This API call was introduced.

isis-state

Displays ISIS operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/isis-state	Displays ISIS operational information.
<base_URI>/operational-state/isis-state/global-isis-info	Displays Global IS-IS Routing Protocol state.
<base_URI>/operational-state/isis-state/global-isis-info/isis-protocol	Displays IS-IS Routing Protocol state.
<base_URI>/operational-state/isis-state/global-isis-info/isis-state	Displays ISIS Routing Protocol Operation State.
<base_URI>/operational-state/isis-state/global-isis-info/isis-type	Displays IS-Type
<base_URI>/operational-state/isis-state/global-isis-info/system-id	System ID
<base_URI>/operational-state/isis-state/global-isis-info/area-addresses	ISIS Area addresses
<base_URI>/operational-state/isis-state/global-isis-info/database-state-level-1	Database State for Level-1
<base_URI>/operational-state/isis-state/global-isis-info/database-state-level-2	Database State for Level-2
<base_URI>/operational-state/isis-state/global-isis-info/database-state-level-1-2	Database State for Level-1_2
<base_URI>/operational-state/isis-state/global-isis-info/overload-reason	ISIS Overload Reason
<base_URI>/operational-state/isis-state/global-isis-info/check-alarm	Database State
<base_URI>/operational-state/isis-state/global-isis-info/overload-state-since	Overload state since
<base_URI>/operational-state/isis-state/global-isis-info/overload-state-rem-time	Overload state remaining time
<base_URI>/operational-state/isis-state/global-isis-info/admin-distance	Admin Distance
<base_URI>/operational-state/isis-state/global-isis-info/v6-admin-distance	Admin Distance
<base_URI>/operational-state/isis-state/global-isis-info/max-paths	Maximum Paths
<base_URI>/operational-state/isis-state/global-isis-info/v6-max-paths	Maximum Paths
<base_URI>/operational-state/isis-state/global-isis-info/default-redis-metric	Admin Distance
<base_URI>/operational-state/isis-state/global-isis-info/v6-default-redis-metric	Admin Distance
<base_URI>/operational-state/isis-state/global-isis-info/default-link-metric-l1-conf	Default Link Metric L1
<base_URI>/operational-state/isis-state/global-isis-info/default-link-metric-l1-adv	Default Link Metric L1
<base_URI>/operational-state/isis-state/global-isis-info/default-link-metric-l2-conf	Default Link Metric L2
<base_URI>/operational-state/isis-state/global-isis-info/default-link-metric-l2-adv	Default Link Metric L2

URI	Description
<base_URI>/operational-state/isis-state/global-isis-info/v6-default-link-metric-l1-conf	Default Link Metric L1
<base_URI>/operational-state/isis-state/global-isis-info/v6-default-link-metric-l1-adv	Default Link Metric L1
<base_URI>/operational-state/isis-state/global-isis-info/v6-default-link-metric-l2-conf	Default Link Metric L2
<base_URI>/operational-state/isis-state/global-isis-info/v6-default-link-metric-l2-adv	Default Link Metric L2
<base_URI>/operational-state/isis-state/global-isis-info/redis-protocol	Redistributed Protocols
<base_URI>/operational-state/isis-state/global-isis-info/no-routes-redis	Number of redistributed routes
<base_URI>/operational-state/isis-state/global-isis-info/v6-redis-protocol	Redistributed Protocols
<base_URI>/operational-state/isis-state/global-isis-info/v6-no-routes-redis	Number of redistributed routes
<base_URI>/operational-state/isis-state/global-isis-info/auth-mode-l1	AuthMode for Level1
<base_URI>/operational-state/isis-state/global-isis-info/auth-mode-l2	AuthMode for Level2
<base_URI>/operational-state/isis-state/global-isis-info/auth-key-l1	Authkey for Level1
<base_URI>/operational-state/isis-state/global-isis-info/auth-key-l2	Authkey for Level2
<base_URI>/operational-state/isis-state/global-isis-info/metric-style-l1	Metric Style Level1
<base_URI>/operational-state/isis-state/global-isis-info/metric-style-l2	Metric Style Level2
<base_URI>/operational-state/isis-state/global-isis-info/graceful-restart-helper	Graceful Restart Helper
<base_URI>/operational-state/isis-state/global-isis-info/pspf-optimization	PSPF Optimization
<base_URI>/operational-state/isis-state/global-isis-info/spf-max-wait-l1	SPF Max Wait Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf-max-wait-l2	SPF Max Wait Level2
<base_URI>/operational-state/isis-state/global-isis-info/spf-init-wait-l1	SPF Init Wait Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf-init-wait-l2	SPF Init Wait Level2
<base_URI>/operational-state/isis-state/global-isis-info/spf-second-wait-l1	SPF Second Wait Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf-second-wait-l2	SPF Second Wait Level2
<base_URI>/operational-state/isis-state/global-isis-info/spf-scheduled-l1	SPF Scheduled Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf-scheduled-l2	SPF Scheduled Level2
<base_URI>/operational-state/isis-state/global-isis-info/pspf-max-wait	PSPF Max Wait
<base_URI>/operational-state/isis-state/global-isis-info/pspf-init-wait	PSPF Init Wait

URI	Description
<base_URI>/operational-state/isis-state/global-isis-info/pspf-second-wait	PSPF Second Wait
<base_URI>/operational-state/isis-state/global-isis-info/pspf-scheduled	PSPF Secheduled
<base_URI>/operational-state/isis-state/global-isis-info/spf6-max-wait-l1	SPF Max Wait Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf6-max-wait-l2	SPF Max Wait Level2
<base_URI>/operational-state/isis-state/global-isis-info/spf6-init-wait-l1	SPF Init Wait Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf6-init-wait-l2	SPF Init Wait Level2
<base_URI>/operational-state/isis-state/global-isis-info/spf6-second-wait-l1	SPF Second Wait Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf6-second-wait-l2	SPF Second Wait Level2
<base_URI>/operational-state/isis-state/global-isis-info/spf6-scheduled-l1	SPF6 Secheduled Level1
<base_URI>/operational-state/isis-state/global-isis-info/spf6-scheduled-l2	SPF6 Secheduled Level2
<base_URI>/operational-state/isis-state/global-isis-info/pspf6-max-wait	PSPF Max Wait
<base_URI>/operational-state/isis-state/global-isis-info/pspf6-init-wait	PSPF Init Wait
<base_URI>/operational-state/isis-state/global-isis-info/pspf6-second-wait	PSPF Second Wait
<base_URI>/operational-state/isis-state/global-isis-info/pspf6-scheduled	PSPF Secheduled
<base_URI>/operational-state/isis-state/global-isis-info/lsp-max-lifetime	LSP MAX Lifetime
<base_URI>/operational-state/isis-state/global-isis-info/lsp-refresh-interval	LSP Refresh Interval
<base_URI>/operational-state/isis-state/global-isis-info/lsp-gen-interval	LSP Gen Interval
<base_URI>/operational-state/isis-state/global-isis-info/lsp-retrans-interval	LSP Retrans Interval
<base_URI>/operational-state/isis-state/global-isis-info/lsp-interval	LSP Interval
<base_URI>/operational-state/isis-state/global-isis-info/snp-csnp-interval	CSNP Interval
<base_URI>/operational-state/isis-state/global-isis-info/snp-psnp-interval	PSNP Interval
<base_URI>/operational-state/isis-state/global-isis-info/hello-padding	Hello Padding
<base_URI>/operational-state/isis-state/global-isis-info/hello-padding-ptp	Hello Padding for Point-to-Point
<base_URI>/operational-state/isis-state/global-isis-info/ptp-handshake	Point to Point Handshake
<base_URI>/operational-state/isis-state/global-isis-info/bgp-ipv4-converged	IPV4 BGP Converged

URI	Description
<base_URI>/operational-state/isis-state/global-isis-info/bgp-ipv6-converged	IPV6 BGP Converged
<base_URI>/operational-state/isis-state/global-isis-info/isis-te	ISIS Traffic Engineering
<base_URI>/operational-state/isis-state/global-isis-info/isis-shortcuts	ISIS Shortcuts
<base_URI>/operational-state/isis-state/global-isis-info/isis-reverse-metric	ISIS Reverse Metric
<base_URI>/operational-state/isis-state/global-isis-info/isis-reverse-metric-wbit	ISIS Reverse Metric W Flag
<base_URI>/operational-state/isis-state/global-isis-info/isis-reverse-metric-sbit	ISIS Reverse Metric S Flag
<base_URI>/operational-state/isis-state/global-isis-info/nsr-enabled	NSR Enabled
<base_URI>/operational-state/isis-state/global-isis-info/nsr-state	NSR State
<base_URI>/operational-state/isis-state/global-isis-info/nsr-sync-state	NSR Sync State
<base_URI>/operational-state/isis-state/global-isis-info/isis-is-mp	ISIS Active
<base_URI>/operational-state/isis-state/global-isis-info/ldp-sync	LDP Sync
<base_URI>/operational-state/isis-state/global-isis-info/ldp-sync-holddown-time	LDP Sync Holddown Time

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/global-isis-info

Request Body

None

Response Body

```
<global-isis-info xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/isis-state/global-isis-info">
  <isis-protocol>true</isis-protocol>
  <isis-state>true</isis-state>
  <is-type>2</is-type>
  <system-id>1111.1111.1111</system-id>
  <area-addresses>01</area-addresses>
  <database-state-level-1></database-state-level-1>
  <database-state-level-2></database-state-level-2>
  <database-state-level-1-2> On</database-state-level-1-2>
  <overload-reason>None</overload-reason>
  <check-alarm>false</check-alarm>
  <overload-state-since>None</overload-state-since>
  <overload-state-rem-time>None</overload-state-rem-time>
  <admin-distance>110</admin-distance>
  <v6-admin-distance>100</v6-admin-distance>
  <max-paths>8</max-paths>
  <v6-max-paths>64</v6-max-paths>
  <default-redis-metric>5000</default-redis-metric>
  <v6-default-redis-metric>60535</v6-default-redis-metric>
  <default-link-metric-l1-conf>0</default-link-metric-l1-conf>
  <default-link-metric-l1-adv>10</default-link-metric-l1-adv>
  <default-link-metric-l2-conf>0</default-link-metric-l2-conf>
  <default-link-metric-l2-adv>10</default-link-metric-l2-adv>
  <v6-default-link-metric-l1-conf>500</v6-default-link-metric-l1-conf>
  <v6-default-link-metric-l1-adv>500</v6-default-link-metric-l1-adv>
  <v6-default-link-metric-l2-conf>1100</v6-default-link-metric-l2-conf>
  <v6-default-link-metric-l2-adv>1100</v6-default-link-metric-l2-adv>
  <redis-protocol> BGP Connected OSPF Static</redis-protocol>
  <no-routes-redis>1</no-routes-redis>
  <v6-redis-protocol> BGP Connected OSPF Static</v6-redis-protocol>
  <v6-no-routes-redis>1</v6-no-routes-redis>
  <auth-mode-l1>None</auth-mode-l1>
  <auth-mode-l2>None</auth-mode-l2>
  <auth-key-l1></auth-key-l1>
  <auth-key-l2></auth-key-l2>
  <l1-auth-no-check>is-disabled</l1-auth-no-check>
  <l2-auth-no-check>is-disabled</l2-auth-no-check>
  <metric-style-l1>Wide</metric-style-l1>
  <metric-style-l2>Wide</metric-style-l2>
  <graceful-restart-helper>true</graceful-restart-helper>
  <pspf-optimization>true</pspf-optimization>
  <spf-max-wait-l1>5</spf-max-wait-l1>
  <spf-max-wait-l2>5</spf-max-wait-l2>
  <spf-init-wait-l1>5000</spf-init-wait-l1>
  <spf-init-wait-l2>5000</spf-init-wait-l2>
  <spf-second-wait-l1>5000</spf-second-wait-l1>
  <spf-second-wait-l2>5000</spf-second-wait-l2>
  <spf-scheduled-l1> L1 SPF is not scheduled</spf-scheduled-l1>
  <spf-scheduled-l2> L2 SPF is not scheduled</spf-scheduled-l2>
  <pspf-max-wait>5000</pspf-max-wait>
```

```

<pspf-init-wait>2000</pspf-init-wait>
<pspf-second-wait>5000</pspf-second-wait>
<pspf-scheduled> PSPF is not scheduled</pspf-scheduled>
<spf6-max-wait-l1>5</spf6-max-wait-l1>
<spf6-max-wait-l2>5</spf6-max-wait-l2>
<spf6-init-wait-l1>5000</spf6-init-wait-l1>
<spf6-init-wait-l2>5000</spf6-init-wait-l2>
<spf6-second-wait-l1>5000</spf6-second-wait-l1>
<spf6-second-wait-l2>5000</spf6-second-wait-l2>
<spf6-scheduled-l1> L1 SPF is not scheduled</spf6-scheduled-l1>
<spf6-scheduled-l2> L2 SPF is not scheduled</spf6-scheduled-l2>
<pspf6-max-wait>5000</pspf6-max-wait>
<pspf6-init-wait>2000</pspf6-init-wait>
<pspf6-second-wait>5000</pspf6-second-wait>
<pspf6-scheduled> PSPF is not scheduled</pspf6-scheduled>
<lsp-max-lifetime>1200</lsp-max-lifetime>
<lsp-refresh-interval>900</lsp-refresh-interval>
<lsp-gen-interval>10</lsp-gen-interval>
<lsp-retrans-interval>5</lsp-retrans-interval>
<lsp-interval>33</lsp-interval>
<snp-csnp-interval>10</snp-csnp-interval>
<snp-psnp-interval>2</snp-psnp-interval>
<hello-padding>true</hello-padding>
<hello-padding-ptp>1</hello-padding-ptp>
<ptp-handshake>true</ptp-handshake>
<bgp-ipv4-converged>false</bgp-ipv4-converged>
<bgp-ipv6-converged>false</bgp-ipv6-converged>
<isis-te>false</isis-te>
<isis-shortcuts> No ISIS Shortcuts Configured</isis-shortcuts>
<isis-reverse-metric>0</isis-reverse-metric>
<isis-reverse-metric-wbit>0</isis-reverse-metric-wbit>
<isis-reverse-metric-sbit>0</isis-reverse-metric-sbit>
<bfd-enabled>false</bfd-enabled>
<bfd-hold-interval>0</bfd-hold-interval>
<nsr-enabled>true</nsr-enabled>
<nsr-state> NSR State: Normal</nsr-state>
<nsr-sync-state>true</nsr-sync-state>
<isis-is-mp>true</isis-is-mp>
<ldp-sync>false</ldp-sync>
<ldp-sync-holddown-time>0</ldp-sync-holddown-time>
</global-isis-info>

```

History

Release version	History
16r.1.00	This API call was introduced.

isis-state/database

Displays ISIS LSP database.

Resource URIs

URI	Description
<base_URI>/rest/operational-state/isis-state/database	Displays ISIS LSP database.
<base_URI>/rest/operational-state/isis-state/database/{level}/isis-operation	IS-IS Operational State
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-count	LSP Level1 Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-count	LSP Level2 Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-loading	LSP Level1 Loading Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-loading	LSP Level2 Loading Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-fragments	LSP Level1 Fragments Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-fragments	LSP Level2 Fragments Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-pseudo	LSP Level1 Pseudo Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-pseudo	LSP Level2 Pseudo Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-pseudo-fragments	LSP Level1 Pseudo Framgents Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-pseudo-fragments	LSP Level2 Pseudo Framgents Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-my-count	LSP Level1 My Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-my-count	LSP Level2 My Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-my-lsp-fragments	LSP Level1 My Fragments Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-my-lsp-fragments	LSP Level2 My Fragments Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-my-pseudo	LSP Level1 My Pseudo Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-my-pseudo	LSP Level2 My Pseudo Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-my-pseudo-fragments	LSP Level1 My Pseudo Framtents Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-my-pseudo-fragments	LSP Level2 My Pseudo Framtents Count
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level1-checksum	LSP Level1 Sum of Checksum

URI	Description
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-level2-checksum	LSP Level2 Sum of Checksum
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-entry	ISIS LSP MO
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-entry/{lsp-level}/{lsp-id}/lsp-seq-no	Sequence number
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-entry/{lsp-level}/{lsp-id}/lsp-checksum	Checksum
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-entry/{lsp-level}/{lsp-id}/lsp-holdtime	HoldTime
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-entry/{lsp-level}/{lsp-id}/lsp-att	ATT
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-entry/{lsp-level}/{lsp-id}/lsp-p	LSP Flag P
<base_URI>/rest/operational-state/isis-state/database/{level}/lsp-entry/{lsp-level}/{lsp-id}/lsp-ol	LSP OL

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/database

Request Body

None

Response Body

```
<database xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/isis-state/database/0">
  <level>0</level>
  <isis-operation>true</isis-operation>
  <lsp-level1-count>3</lsp-level1-count>
  <lsp-level2-count>3</lsp-level2-count>
  <lsp-level1-loading>0</lsp-level1-loading>
  <lsp-level2-loading>0</lsp-level2-loading>
  <lsp-level1-fragments>0</lsp-level1-fragments>
  <lsp-level2-fragments>0</lsp-level2-fragments>
  <lsp-level1-pseudo>1</lsp-level1-pseudo>
  <lsp-level2-pseudo>1</lsp-level2-pseudo>
  <lsp-level1-pseudo-fragments>0</lsp-level1-pseudo-fragments>
  <lsp-level2-pseudo-fragments>0</lsp-level2-pseudo-fragments>
  <lsp-level1-my-count>2</lsp-level1-my-count>
  <lsp-level2-my-count>2</lsp-level2-my-count>
  <lsp-level1-my-lsp-fragments>0</lsp-level1-my-lsp-fragments>
  <lsp-level2-my-lsp-fragments>0</lsp-level2-my-lsp-fragments>
  <lsp-level1-my-pseudo>1</lsp-level1-my-pseudo>
  <lsp-level2-my-pseudo>1</lsp-level2-my-pseudo>
  <lsp-level1-my-pseudo-fragments>0</lsp-level1-my-pseudo-fragments>
  <lsp-level2-my-pseudo-fragments>0</lsp-level2-my-pseudo-fragments>
  <lsp-level1-checksum>156061</lsp-level1-checksum>
  <lsp-level2-checksum>108510</lsp-level2-checksum>
</database>
```

History

Release version	History
16r.1.00	This API call was introduced.

isis-state/host-table

Displays IS-IS Dynamic Host Name Mapping

Resource URIs

URI	Description
<base_URI>/operational-state/isis-state/host-table	Displays IS-IS Dynamic Host Name Mapping.
<base_URI>/operational-state/isis-state/host-table/hostname-enabled	Displays true if the IS-IS Routing Protocol Hostname feature support is enabled.
<base_URI>/operational-state/isis-state/host-table/isis-router-entry	Displays IS-IS Routing Protocol host-table mapping details for an IS-IS Router
<base_URI>/operational-state/isis-state/host-table/isis-router-entry/{system-id}/host-name	Displays the hostname for an IS-IS Router for a specified system-id.
<base_URI>/operational-state/isis-state/host-table/isis-router-entry/{system-id}/is-local	Displays true if the host is local.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/host-table

Request Body

None

Response Body

```
<host-table xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/isis-state/host-table">
  <hostname-enabled>true</hostname-enabled>
  <isis-router-entry y:self="/rest/operational-state/isis-state/host-table/isis-router-entry/
1111.1111.1111">
    <system-id>1111.1111.1111</system-id>
    <host-name>Fusion1</host-name>
    <is-local>true</is-local>
  </isis-router-entry>
  <isis-router-entry y:self="/rest/operational-state/isis-state/host-table/isis-router-entry/
a9e0.0001.0000">
    <system-id>a9e0.0001.0000</system-id>
    <host-name>IXIA1101</host-name>
    <is-local>false</is-local>
  </isis-router-entry>
</host-table>
```

History

Release version	History
16r.1.00	This API call was introduced.

isis-state/interface-brief

Displays ISIS interface information in brief mode

Resource URIs

URI	Description
<base_URI>/operational-state/isis-state/interface-brief	Displays ISIS interface information in brief mode.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief	Displays ISIS interface information for particular interface.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/circuit-type	Displays ISIS circuit type.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/is-circuit-passive	Displays true if ISIS passive is enabled on the specified interface .
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/circuit-mode	Displays ISIS circuit mode.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/circ-state	Displays Circuit state.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/mtu-size	Displays mtu size.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/circ-adj-up	Displays up no of isis adjacency up.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/circ-changes	Displays ISIS interface state change.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/adj-changes	adjacency state change.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/is-l1-dis	Displays true if DIS L1 is enabled on the specified interface.
<base_URI>/operational-state/isis-state/interface-brief/isis-intf-brief/val_intf-type_val/val_intf-number_val/is-l2-dis	Displays true if DIS L2 is enabled on the specified interface.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/interface-brief

Request Body

None

Response Body

```
<interface-brief xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/isis-state/interface-brief">
  <isis-intf-brief y:self="/rest/operational-state/isis-state/interface-brief/isis-intf-brief/eth%2C%221/49%22">
    <intf-type>eth</intf-type>
    <intf-number>1/49</intf-number>
    <circuit-type>is-circ-lan</circuit-type>
    <is-circuit-passive>is-disabled</is-circuit-passive>
    <circuit-mode>isis-level1-2</circuit-mode>
    <circ-state>true</circ-state>
    <mtu-size>1500</mtu-size>
    <circ-adj-up>2</circ-adj-up>
    <circ-changes>1</circ-changes>
    <adj-changes>2</adj-changes>
    <is-l1-dis>true</is-l1-dis>
    <is-l2-dis>true</is-l2-dis>
  </isis-intf-brief>
  <isis-intf-brief y:self="/rest/operational-state/isis-state/interface-brief/isis-intf-brief/eth%2C%224/10%22">
    <intf-type>eth</intf-type>
    <intf-number>4/10</intf-number>
    <circuit-type>is-circ-lan</circuit-type>
    <is-circuit-passive>is-disabled</is-circuit-passive>
    <circuit-mode>isis-level1-2</circuit-mode>
    <circ-state>true</circ-state>
    <mtu-size>9000</mtu-size>
    <circ-adj-up>0</circ-adj-up>
    <circ-changes>1</circ-changes>
    <adj-changes>0</adj-changes>
    <is-l1-dis>false</is-l1-dis>
    <is-l2-dis>false</is-l2-dis>
  </isis-intf-brief>
  <isis-intf-brief y:self="/rest/operational-state/isis-state/interface-brief/isis-intf-brief/ve%2C101">
    <intf-type>ve</intf-type>
    <intf-number>101</intf-number>
    <circuit-type>is-circ-ptpt</circuit-type>
    <is-circuit-passive>is-disabled</is-circuit-passive>
    <circuit-mode>isis-level2</circuit-mode>
    <circ-state>true</circ-state>
    <mtu-size>1500</mtu-size>
    <circ-adj-up>0</circ-adj-up>
    <circ-changes>1</circ-changes>
    <adj-changes>0</adj-changes>
    <is-l1-dis>false</is-l1-dis>
    <is-l2-dis>false</is-l2-dis>
  </isis-intf-brief>
  <isis-intf-brief y:self="/rest/operational-state/isis-state/interface-brief/isis-intf-brief/loopback%2C4">
    <intf-type>loopback</intf-type>
    <intf-number>4</intf-number>
    <circuit-type>is-circ-ptpt</circuit-type>
```

```
<is-circuit-passive>is-enabled</is-circuit-passive>
<circuit-mode>isis-level2</circuit-mode>
<circ-state>true</circ-state>
<mtu-size>0</mtu-size>
<circ-adj-up>0</circ-adj-up>
<circ-changes>1</circ-changes>
<adj-changes>0</adj-changes>
<is-l1-dis>false</is-l1-dis>
<is-l2-dis>false</is-l2-dis>
</isis-intf-brief>
</interface-brief>
```

History

Release version	History
16r.1.00	This API call was introduced.

isis-state/interface-detail

Displays IS-IS Interface information

Resource URIs

URI	Description
<base_URI>/operational-state/isis-state/interface-detail	Displays IS-IS Interface information.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf	Displays IS-IS interface information for a specified interface.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/v4circuit-enabled	Displays whether ISISv4 is enabled or not.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/v6circuit-enabled	Displays whether ISISv6 is enabled or not.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circuit-id	Displays IS-IS circuit ID.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circuit-iffid	Displays IS-IS ID
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circuit-state	Displays IS-IS circuit state.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circuit-ip-state	Displays true if ISISv4 is enabled.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circuit-ipv6-state	Displays true if ISISv6 is enabled.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circuit-mode	Displays ISIS interface circuit mode.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circuit-type	Displays ISIS interface circuit type.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/is-circuit-passive	Displays whether ISIS passive is enabled or not.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/mtu-size	Displays ISIS interface MTU value.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/padding-enabled	Displays whether Hello Padding is enabled or not.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/bfd-enabled	Displays whether BFD is enabled or not.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circ-chstats	Displays Circuit State.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circ-chstats/circ-changes	Displays Circuit State Changes.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circ-chstats/adj-changes	Displays Circuit Adjacencies State Changes.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circ-chstats/adj-rej	Displays Rejected Adjacencies.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circ-chstats/l1authfail	Displays Circuit Authentication L1 failures.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circ-chstats/l2authfail	Displays Circuit Authentication L2 failures.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/ val_intf-type_val/val_intf-number_val/circ-chstats/bad-lsps	Displays Bad LSPs.

URI	Description
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-chstats/ctrl-out	Displays Control Messages Sent.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-chstats/ctrl-in	Displays Control Messages Received
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/mpls-info	Displays mpls info
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/mpls-info/te-enabled	Displays whether MPLS TE is enabled or not
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/mpls-info/admin-group	Displays admin group information.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/mpls-info/te-metric	Displays TE metric value.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/mpls-info/max-link-bw	Displays max link bandwidth.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/mpls-info/max-reserv-bw	Displays max reserve bandwidth.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/reverse-metric-info/is-global-config	Displays True if reverse metric is enabled at global level.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/reverse-metric-info/reverse-metric-value	Displays Reverse Metric value
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/reverse-metric-info/rev-metric-whole-lan	Displays whether Reverse Metric is enabled for the whole LAN or not
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/reverse-metric-info/rev-metric-te-def-metric	Displays TE Default metric sub-TLV.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ldp-sync-info	Displays LDP sync information.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ldp-sync-info/ldp-sync-enabled	Displays whether LDP sync is enabled or not.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ldp-sync-info/ldp-sync-hold-down	Displays LDP sync hold-down timer.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ldp-sync-info/ldp-in-sync	Displays LDP sync status.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ldp-sync-info/remain-hd-time	Displays Remain HD Timer value.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ldp-sync-info/ldp-sync-hd-expired	Displays LDP sync HD expired value.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics	Displays circuit metrics info.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/auth-check	Displays Authentication Check status
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/auth-mode	Displays Authentication mode.

URI	Description
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/auth-key	Displays Authentication key.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/circ-metric	Displays ISIS interface metric.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/ip6-circ-metric	Displays ISISv6 interface metric.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/circ-priority	Displays Priority for ISIS
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/hello-int	Displays interval between hello PDUs.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/hello-mult	Displays Multiplier of hello interval.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/dis	Displays Designated IS
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/dis-ch	Displays Designated IS Changes.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/next-hello	Displays Next hello packet.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/circ-metrics/val_level_val/active-adj	Displays number of Active Adjacency.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ip-info	Displays IP Address information.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ip-info/val_ip-add_val/ip-prefix	Displays the IP Address Prefix Length value
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ip6-info	Displays IPv6 address information.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ip6-info/val_ip6-add_val/ip6-prefix	Displays the IPv6 Address Prefix Length value.
<base_URI>/operational-state/isis-state/interface-detail/isis-intf/val_intf-type_val/val_intf-number_val/ip6-info/val_ip6-add_val/is-link-local	Displays True if the IPv6 address is link local.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/interface-detail

Request Body

None

Response Body

```
<interface-detail xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/isis-state/interface-detail">
  <isis-intf y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22">
    <intf-type>eth</intf-type>
    <intf-number>1/49</intf-number>
    <v4circuit-enabled>is-enabled</v4circuit-enabled>
    <v6circuit-enabled>is-enabled</v6circuit-enabled>
    <circuit-id>3</circuit-id>
    <circuit-ifid>432</circuit-ifid>
    <circuit-state>true</circuit-state>
    <circuit-ip-state>true</circuit-ip-state>
    <circuit-ipv6-state>true</circuit-ipv6-state>
    <circuit-mode>isis-level1-2</circuit-mode>
    <circuit-type>is-circ-lan</circuit-type>
    <circuit-encap>undef</circuit-encap>
    <is-circuit-passive>is-disabled</is-circuit-passive>
    <mtu-size>1500</mtu-size>
    <padding-enabled>is-enabled</padding-enabled>
    <bfd-enabled>is-disabled</bfd-enabled>
    <circ-chstats y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/circ-chstats">
      <circ-changes>1</circ-changes>
      <adj-changes>2</adj-changes>
      <adj-rej>0</adj-rej>
      <llauthfail>0</llauthfail>
      <l2authfail>0</l2authfail>
      <bad-lsps>0</bad-lsps>
      <ctrl-out>2806</ctrl-out>
      <ctrl-in>1044</ctrl-in>
    </circ-chstats>
    <mpls-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/mpls-info">
      <te-enabled>is-disabled</te-enabled>
      <admin-group>0</admin-group>
      <te-metric>0</te-metric>
      <max-link-bw>0</max-link-bw>
      <max-reserv-bw>0</max-reserv-bw>
    </mpls-info>
    <reverse-metric-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/reverse-metric-info">
      <is-global-config>true</is-global-config>
      <reverse-metric-value>0</reverse-metric-value>
      <rev-metric-whole-lan>is-disabled</rev-metric-whole-lan>
      <rev-metric-te-def-metric>is-disabled</rev-metric-te-def-metric>
    </reverse-metric-info>
    <ldp-sync-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/ldp-sync-info">
      <ldp-sync-enabled>is-disabled</ldp-sync-enabled>
      <ldp-sync-hold-down>0</ldp-sync-hold-down>
      <ldp-in-sync>false</ldp-in-sync>
      <remain-hd-time>0</remain-hd-time>
```

```

    <ldp-sync-hd-expired>>false</ldp-sync-hd-expired>
  </ldp-sync-info>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/circ-metrics/isis-level1">
    <level>isis-level1</level>
    <auth-check>is-enabled</auth-check>
    <auth-mode>none</auth-mode>
    <auth-key></auth-key>
    <circ-metric>10</circ-metric>
    <ip6-circ-metric>10</ip6-circ-metric>
    <circ-priority>64</circ-priority>
    <hello-int>3</hello-int>
    <hello-mult>3</hello-mult>
    <dis>Fusion1-03</dis>
    <dis-ch>4</dis-ch>
    <next-hello>3</next-hello>
    <active-adj>1</active-adj>
  </circ-metrics>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/circ-metrics/isis-level2">
    <level>isis-level2</level>
    <auth-check>is-enabled</auth-check>
    <auth-mode>none</auth-mode>
    <auth-key></auth-key>
    <circ-metric>10</circ-metric>
    <ip6-circ-metric>10</ip6-circ-metric>
    <circ-priority>64</circ-priority>
    <hello-int>3</hello-int>
    <hello-mult>3</hello-mult>
    <dis>Fusion1-03</dis>
    <dis-ch>4</dis-ch>
    <next-hello>4</next-hello>
    <active-adj>1</active-adj>
  </circ-metrics>
  <ip-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/ip-info/140.140.140.1">
    <ip-add>140.140.140.1</ip-add>
    <ip-prefix>24</ip-prefix>
  </ip-info>
  <ip6-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/ip6-info/140:140:140::1">
    <ip6-add>140:140:140::1</ip6-add>
    <ip6-prefix>64</ip6-prefix>
    <is-link-local>false</is-link-local>
  </ip6-info>
  <ip6-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%221/49%22/ip6-info/fe80::748e:f8ff:fe05:4835">
    <ip6-add>fe80::748e:f8ff:fe05:4835</ip6-add>
    <ip6-prefix>128</ip6-prefix>
    <is-link-local>true</is-link-local>
  </ip6-info>
</isis-intf>
<isis-intf y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%224/10%22">
  <intf-type>eth</intf-type>
  <intf-number>4/10</intf-number>
  <v4circuit-enabled>is-enabled</v4circuit-enabled>
  <v6circuit-enabled>is-enabled</v6circuit-enabled>
  <circuit-id>4</circuit-id>
  <circuit-ifid>1545</circuit-ifid>
  <circuit-state>true</circuit-state>
  <circuit-ip-state>true</circuit-ip-state>
  <circuit-ipv6-state>true</circuit-ipv6-state>
  <circuit-mode>isis-level1-2</circuit-mode>
  <circuit-type>is-circ-lan</circuit-type>
  <circuit-encap>undef</circuit-encap>
  <is-circuit-passive>is-disabled</is-circuit-passive>
  <mtu-size>9000</mtu-size>
  <padding-enabled>is-disabled</padding-enabled>
  <bfd-enabled>is-disabled</bfd-enabled>
  <circ-chstats y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%224/10%22/circ-chstats">
    <circ-changes>1</circ-changes>

```

```

    <adj-changes>0</adj-changes>
    <adj-rej>0</adj-rej>
    <l1authfail>0</l1authfail>
    <l2authfail>0</l2authfail>
    <bad-lsps>0</bad-lsps>
    <ctrl-out>694</ctrl-out>
    <ctrl-in>0</ctrl-in>
  </circ-chstats>
  <mpls-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%224/10%22/
mpls-info">
    <te-enabled>is-disabled</te-enabled>
    <admin-group>0</admin-group>
    <te-metric>0</te-metric>
    <max-link-bw>0</max-link-bw>
    <max-reserv-bw>0</max-reserv-bw>
  </mpls-info>
  <reverse-metric-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C
%224/10%22/reverse-metric-info">
    <is-global-config>false</is-global-config>
    <reverse-metric-value>555</reverse-metric-value>
    <rev-metric-whole-lan>is-enabled</rev-metric-whole-lan>
    <rev-metric-te-def-metric>is-enabled</rev-metric-te-def-metric>
  </reverse-metric-info>
  <ldp-sync-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C
%224/10%22/ldp-sync-info">
    <ldp-sync-enabled>is-disabled</ldp-sync-enabled>
    <ldp-sync-hold-down>0</ldp-sync-hold-down>
    <ldp-in-sync>false</ldp-in-sync>
    <remain-hd-time>0</remain-hd-time>
    <ldp-sync-hd-expired>false</ldp-sync-hd-expired>
  </ldp-sync-info>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C
%224/10%22/circ-metrics/isis-level1">
    <level>isis-level1</level>
    <auth-check>is-disabled</auth-check>
    <auth-mode>md5</auth-mode>
    <auth-key>*****</auth-key>
    <circ-metric>22777</circ-metric>
    <ip6-circ-metric>22777</ip6-circ-metric>
    <circ-priority>100</circ-priority>
    <hello-int>10</hello-int>
    <hello-mult>3</hello-mult>
    <dis>Fusion1-04</dis>
    <dis-ch>2</dis-ch>
    <next-hello>10</next-hello>
    <active-adj>0</active-adj>
  </circ-metrics>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C
%224/10%22/circ-metrics/interface-detail/isis-intf/eth%2C
%224/10%22/circ-metrics/isis-level2">
    <level>isis-level2</level>
    <auth-check>is-disabled</auth-check>
    <auth-mode>md5</auth-mode>
    <auth-key>*****</auth-key>
    <circ-metric>565</circ-metric>
    <ip6-circ-metric>565</ip6-circ-metric>
    <circ-priority>99</circ-priority>
    <hello-int>18</hello-int>
    <hello-mult>5</hello-mult>
    <dis>Fusion1-04</dis>
    <dis-ch>2</dis-ch>
    <next-hello>14</next-hello>
    <active-adj>0</active-adj>
  </circ-metrics>
  <ip-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%224/10%22/ip-
info/10.1.1.1">
    <ip-add>10.1.1.1</ip-add>
    <ip-prefix>24</ip-prefix>
  </ip-info>
  <ip6-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%224/10%22/
ip6-info/10:1:1::1">
    <ip6-add>10:1:1::1</ip6-add>
    <ip6-prefix>64</ip6-prefix>

```

```

    <is-link-local>false</is-link-local>
  </ip6-info>
  <ip6-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/eth%2C%224/10%22/
ip6-info/fe80::748e:f8ff:fe05:4ade">
    <ip6-add>fe80::748e:f8ff:fe05:4ade</ip6-add>
    <ip6-prefix>128</ip6-prefix>
    <is-link-local>true</is-link-local>
  </ip6-info>
</isis-intf>
<isis-intf y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101">
  <intf-type>ve</intf-type>
  <intf-number>101</intf-number>
  <v4circuit-enabled>is-enabled</v4circuit-enabled>
  <v6circuit-enabled>is-enabled</v6circuit-enabled>
  <circuit-id>2</circuit-id>
  <circuit-ifid>8164</circuit-ifid>
  <circuit-state>true</circuit-state>
  <circuit-ip-state>true</circuit-ip-state>
  <circuit-ipv6-state>true</circuit-ipv6-state>
  <circuit-mode>isis-level2</circuit-mode>
  <circuit-type>is-circ-ptpt</circuit-type>
  <circuit-encap>undef</circuit-encap>
  <is-circuit-passive>is-disabled</is-circuit-passive>
  <mtu-size>1500</mtu-size>
  <padding-enabled>is-disabled</padding-enabled>
  <bfd-enabled>is-disabled</bfd-enabled>
  <circ-chstats y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/circ-
chstats">
    <circ-changes>1</circ-changes>
    <adj-changes>0</adj-changes>
    <adj-rej>0</adj-rej>
    <llauthfail>0</llauthfail>
    <l2authfail>0</l2authfail>
    <bad-lsps>0</bad-lsps>
    <ctrl-out>440</ctrl-out>
    <ctrl-in>441</ctrl-in>
  </circ-chstats>
  <mpls-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/mppls-
info">
    <te-enabled>is-disabled</te-enabled>
    <admin-group>0</admin-group>
    <te-metric>3555</te-metric>
    <max-link-bw>0</max-link-bw>
    <max-reserv-bw>0</max-reserv-bw>
  </mpls-info>
  <reverse-metric-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/
reverse-metric-info">
    <is-global-config>false</is-global-config>
    <reverse-metric-value>555</reverse-metric-value>
    <rev-metric-whole-lan>is-enabled</rev-metric-whole-lan>
    <rev-metric-te-def-metric>is-enabled</rev-metric-te-def-metric>
  </reverse-metric-info>
  <ldp-sync-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/ldp-
sync-info">
    <ldp-sync-enabled>is-enabled</ldp-sync-enabled>
    <ldp-sync-hold-down>0</ldp-sync-hold-down>
    <ldp-in-sync>false</ldp-in-sync>
    <remain-hd-time>0</remain-hd-time>
    <ldp-sync-hd-expired>false</ldp-sync-hd-expired>
  </ldp-sync-info>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/circ-
metrics/isis-level1">
    <level>isis-level1</level>
    <auth-check>is-disabled</auth-check>
    <auth-mode>md5</auth-mode>
    <auth-key>*****</auth-key>
    <circ-metric>3555</circ-metric>
    <ip6-circ-metric>3555</ip6-circ-metric>
    <circ-priority>100</circ-priority>
    <hello-int>10</hello-int>
    <hello-mult>3</hello-mult>
    <dis>Fusion1-02</dis>

```

```

    <dis-ch>0</dis-ch>
    <next-hello>0</next-hello>
    <active-adj>0</active-adj>
  </circ-metrics>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/circ-
metrics/isis-level2">
    <level>isis-level2</level>
    <auth-check>is-disabled</auth-check>
    <auth-mode>md5</auth-mode>
    <auth-key>*****</auth-key>
    <circ-metric>565</circ-metric>
    <ip6-circ-metric>565</ip6-circ-metric>
    <circ-priority>99</circ-priority>
    <hello-int>18</hello-int>
    <hello-mult>5</hello-mult>
    <dis>Fusion1-02</dis>
    <dis-ch>0</dis-ch>
    <next-hello>0</next-hello>
    <active-adj>0</active-adj>
  </circ-metrics>
  <ip-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/ip-info/
11.11.1.1">
    <ip-add>11.11.1.1</ip-add>
    <ip-prefix>24</ip-prefix>
  </ip-info>
  <ip6-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/ip6-info/
11:11:1::1">
    <ip6-add>11:11:1::1</ip6-add>
    <ip6-prefix>64</ip6-prefix>
    <is-link-local>false</is-link-local>
  </ip6-info>
  <ip6-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/ve%2C101/ip6-info/
fe80::748e:f8ff:fe05:4801">
    <ip6-add>fe80::748e:f8ff:fe05:4801</ip6-add>
    <ip6-prefix>128</ip6-prefix>
    <is-link-local>true</is-link-local>
  </ip6-info>
</isis-intf>
<isis-intf y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4">
  <intf-type>loopback</intf-type>
  <intf-number>4</intf-number>
  <v4circuit-enabled>is-enabled</v4circuit-enabled>
  <v6circuit-enabled>is-enabled</v6circuit-enabled>
  <circuit-id>1</circuit-id>
  <circuit-ifid>16259</circuit-ifid>
  <circuit-state>true</circuit-state>
  <circuit-ip-state>true</circuit-ip-state>
  <circuit-ipv6-state>true</circuit-ipv6-state>
  <circuit-mode>isis-level2</circuit-mode>
  <circuit-type>is-circ-ptpt</circuit-type>
  <circuit-encap>undef</circuit-encap>
  <is-circuit-passive>is-enabled</is-circuit-passive>
  <mtu-size>0</mtu-size>
  <padding-enabled>is-disabled</padding-enabled>
  <bfd-enabled>is-disabled</bfd-enabled>
  <circ-chstats y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/
circ-chstats">
    <circ-changes>1</circ-changes>
    <adj-changes>0</adj-changes>
    <adj-rej>0</adj-rej>
    <l1authfail>0</l1authfail>
    <l2authfail>0</l2authfail>
    <bad-lsps>0</bad-lsps>
    <ctrl-out>0</ctrl-out>
    <ctrl-in>0</ctrl-in>
  </circ-chstats>
  <mpls-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/mpls-
info">
    <te-enabled>is-disabled</te-enabled>
    <admin-group>0</admin-group>
    <te-metric>0</te-metric>
    <max-link-bw>0</max-link-bw>

```

```

    <max-reserv-bw>0</max-reserv-bw>
  </mpls-info>
  <reverse-metric-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/reverse-metric-info">
    <is-global-config>false</is-global-config>
    <reverse-metric-value>555</reverse-metric-value>
    <rev-metric-whole-lan>is-enabled</rev-metric-whole-lan>
    <rev-metric-te-def-metric>is-enabled</rev-metric-te-def-metric>
  </reverse-metric-info>
  <ldp-sync-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/ldp-sync-info">
    <ldp-sync-enabled>is-disabled</ldp-sync-enabled>
    <ldp-sync-hold-down>0</ldp-sync-hold-down>
    <ldp-in-sync>false</ldp-in-sync>
    <remain-hd-time>0</remain-hd-time>
    <ldp-sync-hd-expired>false</ldp-sync-hd-expired>
  </ldp-sync-info>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/circ-metrics/isis-level1">
    <level>isis-level1</level>
    <auth-check>is-disabled</auth-check>
    <auth-mode>md5</auth-mode>
    <auth-key>*****</auth-key>
    <circ-metric>4555</circ-metric>
    <ip6-circ-metric>4555</ip6-circ-metric>
    <circ-priority>10</circ-priority>
    <hello-int>10</hello-int>
    <hello-mult>3</hello-mult>
    <dis>Fusion1-01</dis>
    <dis-ch>0</dis-ch>
    <next-hello>3</next-hello>
    <active-adj>0</active-adj>
  </circ-metrics>
  <circ-metrics y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/circ-metrics/isis-level2">
    <level>isis-level2</level>
    <auth-check>is-disabled</auth-check>
    <auth-mode>md5</auth-mode>
    <auth-key>*****</auth-key>
    <circ-metric>565</circ-metric>
    <ip6-circ-metric>565</ip6-circ-metric>
    <circ-priority>99</circ-priority>
    <hello-int>20</hello-int>
    <hello-mult>5</hello-mult>
    <dis>Fusion1-01</dis>
    <dis-ch>0</dis-ch>
    <next-hello>0</next-hello>
    <active-adj>0</active-adj>
  </circ-metrics>
  <ip-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/ip-info/1.1.1.4">
    <ip-add>1.1.1.4</ip-add>
    <ip-prefix>32</ip-prefix>
  </ip-info>
  <ip6-info y:self="/rest/operational-state/isis-state/interface-detail/isis-intf/loopback%2C4/ip6-info/0:0:0:0:0:0:0:1">
    <ip6-add>0:0:0:0:0:0:0:1</ip6-add>
  </ip6-info>
</isis-intf>
</interface-detail>

```

History

Release version	History
16r1.00	This API call was introduced.

isis-state/ipv4-routes

Displays IS-IS IPv4 route information

Resource URIs

URI	Description
<base_URI>/operational-state/isis-state/ipv4-routes	Displays IPv4 ISIS routes
<base_URI>/operational-state/isis-state/ipv4-routes/total-routes-count	Displays Total number of IPv4 ISIS routes
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry	Displays IPv4 ISIS route entry
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/level	Displays ISIS route type
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/cost	Displays Cost of ISIS route
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/tag	Displays Tag value
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/flags	Displays Flags
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/is-l1-summarized	Displays whether L1 route is summarized or not
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/is-l2-summarized	Displays whether L2 route is summarized or not
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/is-summary	Displays whether the specified route is the summary route or not
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/nh-info	Displays Next hop information
<base_URI>/operational-state/isis-state/ipv4-routes/ipv4-route-entry/{ipv4-dest-addr}/{ipv4-subnet-mask}/{ipv4-prefix-len}/nh-info/{outgoing-intf-type}/{outgoing-intf-number}/ipv4-nh-addr	Displays the next hop ip address

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/ipv4-routes

Request Body

None

Response Body

```
<ipv4-routes xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/isis-state/ipv4-routes">
  <total-routes-count>11</total-routes-count>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
140.140.140.0%2C255.255.255.0%2C24">
    <ipv4-dest-addr>140.140.140.0</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.0</ipv4-subnet-mask>
    <ipv4-prefix-len>24</ipv4-prefix-len>
    <level>1</level>
    <cost>20</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
140.140.140.0%2C255.255.255.0%2C24/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.1%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.1</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.1%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.2%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.2</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
```

```

    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.2%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
    <outgoing-intf-type>eth</outgoing-intf-type>
    <outgoing-intf-number>1/49</outgoing-intf-number>
    <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.3%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.3</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.3%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
    <outgoing-intf-type>eth</outgoing-intf-type>
    <outgoing-intf-number>1/49</outgoing-intf-number>
    <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.4%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.4</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.4%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
    <outgoing-intf-type>eth</outgoing-intf-type>
    <outgoing-intf-number>1/49</outgoing-intf-number>
    <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.5%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.5</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.5%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
    <outgoing-intf-type>eth</outgoing-intf-type>
    <outgoing-intf-number>1/49</outgoing-intf-number>
    <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.6%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.6</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>

```

```

    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.6%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.7%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.7</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.7%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.8%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.8</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.8%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.9%2C255.255.255.255%2C32">
    <ipv4-dest-addr>150.150.150.9</ipv4-dest-addr>
    <ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
    <ipv4-prefix-len>32</ipv4-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>4</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.9%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
    </nh-info>
  </ipv4-route-entry>
  <ipv4-route-entry y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.10%2C255.255.255.255%2C32">

```

```

<ipv4-dest-addr>150.150.150.10</ipv4-dest-addr>
<ipv4-subnet-mask>255.255.255.255</ipv4-subnet-mask>
<ipv4-prefix-len>32</ipv4-prefix-len>
<level>1</level>
<cost>10</cost>
<tag>0</tag>
<flags>4</flags>
<is-l1-summarized>false</is-l1-summarized>
<is-l2-summarized>false</is-l2-summarized>
<is-summary>false</is-summary>
<nh-info y:self="/rest/operational-state/isis-state/ipv4-routes/ipv4-route-entry/
150.150.150.10%2C255.255.255.255%2C32/nh-info/eth%2C%221/49%22">
  <outgoing-intf-type>eth</outgoing-intf-type>
  <outgoing-intf-number>1/49</outgoing-intf-number>
  <ipv4-nh-addr>140.140.140.2</ipv4-nh-addr>
</nh-info>
</ipv4-route-entry>
</ipv4-routes>

```

History

Release version	History
16r.1.00	This API call was introduced.

isis-state/ipv6-routes

Displays IS-IS IPv6 route information

Resource URIs

URI	Description
<base_URI>/operational-state/isis-state/ipv6-routes	Displays IS-ISv6 routes.
<base_URI>/operational-state/isis-state/ipv6-routes/level1-route-count	Displays Level-1 IS-IS ipv6 route count.
<base_URI>/operational-state/isis-state/ipv6-routes/level2-route-count	Displays Level-2 IS-IS ipv6 route count.
<base_URI>/operational-state/isis-state/ipv6-routes/ecmp-route-count	Displays ECMP route count.
<base_URI>/operational-state/isis-state/ipv6-routes/total-routes-count	Displays total number of IS-IS ipv6 routes.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry	Displays ISIS route entry.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/level	Displays ISIS route type.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/cost	Displays Cost of ISIS route.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/tag	Displays Tag value.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/v{pv6-prefix-len}/flags	Displays Flags.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/is-l1-summarized	Displays whether L1 route is summarized or not.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/is-l2-summarized	Displays whether L2 route is summarized or not.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/is-summary	Displays whether the specified route is the summary route or not.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/nh-info	Displays Next Hop information.
<base_URI>/operational-state/isis-state/ipv6-routes/ipv6-route-entry/{ipv6-dest-addr}/{ipv6-prefix-len}/nh-info/{outgoing-intf-name}/ipv6-nh-addr	Displays the next hop ipv6 address.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/ipv6-routes

Request Body

None

Response Body

```
<ipv6-routes xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/isis-state/ipv6-routes">
  <level1-route-count>11</level1-route-count>
  <level2-route-count>0</level2-route-count>
  <ecmp-route-count>0</ecmp-route-count>
  <total-routes-count>11</total-routes-count>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
140:140:140::%2C64">
    <ipv6-dest-addr>140:140:140::</ipv6-dest-addr>
    <ipv6-prefix-len>64</ipv6-prefix-len>
    <level>1</level>
    <cost>20</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>false</is-l1-summarized>
    <is-l2-summarized>false</is-l2-summarized>
    <is-summary>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
140:140:140::%2C64/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::1%2C128">
    <ipv6-dest-addr>150:150:150::1</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>false</is-l1-summarized>
    <is-l2-summarized>false</is-l2-summarized>
    <is-summary>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::1%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::2%2C128">
    <ipv6-dest-addr>150:150:150::2</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>false</is-l1-summarized>
```

```

    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::2%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::3%2C128">
    <ipv6-dest-addr>150:150:150::3</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::3%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::4%2C128">
    <ipv6-dest-addr>150:150:150::4</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::4%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::5%2C128">
    <ipv6-dest-addr>150:150:150::5</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>>false</is-l1-summarized>
    <is-l2-summarized>>false</is-l2-summarized>
    <is-summary>>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::5%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::6%2C128">
    <ipv6-dest-addr>150:150:150::6</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>>false</is-l1-summarized>

```

```

    <is-l2-summarized>false</is-l2-summarized>
    <is-summary>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::6%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::7%2C128">
    <ipv6-dest-addr>150:150:150::7</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>false</is-l1-summarized>
    <is-l2-summarized>false</is-l2-summarized>
    <is-summary>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::7%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::8%2C128">
    <ipv6-dest-addr>150:150:150::8</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>false</is-l1-summarized>
    <is-l2-summarized>false</is-l2-summarized>
    <is-summary>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::8%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::9%2C128">
    <ipv6-dest-addr>150:150:150::9</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>false</is-l1-summarized>
    <is-l2-summarized>false</is-l2-summarized>
    <is-summary>false</is-summary>
    <nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::9%2C128/nh-info/eth%2C%221/49%22">
      <outgoing-intf-type>eth</outgoing-intf-type>
      <outgoing-intf-number>1/49</outgoing-intf-number>
      <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
    </nh-info>
  </ipv6-route-entry>
  <ipv6-route-entry y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/
150:150:150::a%2C128">
    <ipv6-dest-addr>150:150:150::a</ipv6-dest-addr>
    <ipv6-prefix-len>128</ipv6-prefix-len>
    <level>1</level>
    <cost>10</cost>
    <tag>0</tag>
    <flags>0</flags>
    <is-l1-summarized>false</is-l1-summarized>

```



```

<is-l2-summarized>false</is-l2-summarized>
<is-summary>false</is-summary>
<nh-info y:self="/rest/operational-state/isis-state/ipv6-routes/ipv6-route-entry/150:150:150::a
%2C128/nh-info/eth%2C%221/49%22">
  <outgoing-intf-type>eth</outgoing-intf-type>
  <outgoing-intf-number>1/49</outgoing-intf-number>
  <ipv6-nh-addr>fe80::200:65ff:fedd:c2f7</ipv6-nh-addr>
</nh-info>
</ipv6-route-entry>
</ipv6-routes>

```

History

Release version	History
16r.1.00	This API call was introduced.

isis-state/router-isis-config

Displays IS-IS configuration

Resource URIs

URI	Description
<base_URI>/operational-state/isis-state/router-isis-config	Displays IS-IS configuration.
<base_URI>/operational-state/isis-state/router-isis-config/nsr-state	Displays NSR state for IS-IS configuration.
<base_URI>/operational-state/isis-state/router-isis-config/lsp-flood-count	Displays LSP flood count.
<base_URI>/operational-state/isis-state/router-isis-config/lsp-fast-flood-count	Displays LSP fast flood count.
<base_URI>/operational-state/isis-state/router-isis-config/fast-flood-wait-count	Displays LSP flood wait count.
<base_URI>/operational-state/isis-state/router-isis-config/hello-padding	Displays whether Hello padding is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/hello-padding-ptp	Displays Hello padding for ptp
<base_URI>/operational-state/isis-state/router-isis-config/csnp-interval	Displays CSNP interval time
<base_URI>/operational-state/isis-state/router-isis-config/lsp-gen-interval	Displays LSP gen interval.
<base_URI>/operational-state/isis-state/router-isis-config/lsp-interval	Displays LSP interval.
<base_URI>/operational-state/isis-state/router-isis-config/lsp-refresh-interval	Displays LSP refresh interval.
<base_URI>/operational-state/isis-state/router-isis-config/lsp-lifetime	Displays LSP lifetime.
<base_URI>/operational-state/isis-state/router-isis-config/retransmit-interval	Displays LSP retransmit interval.
<base_URI>/operational-state/isis-state/router-isis-config/pspf-enabled	Displays whether Partial-SPF is enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/ispf-enabled	Displays whether Incremental Shortcut SPF enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/istct-spf-enabled	Displays whether Incremental Shortcut SPF is enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/overload-state	Displays ISIS overload state.
<base_URI>/operational-state/isis-state/router-isis-config/overload-startup-time	Displays ISIS overload startup wait time
<base_URI>/operational-state/isis-state/router-isis-config/overload-wait-on-bgp	Displays whether ISIS overload bgp wait timer is enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/overload-bgp-wait-time	Displays ISIS overload bgp wait timer value.
<base_URI>/operational-state/isis-state/router-isis-config/enable-code-assertions	Displays whether ISIS code-assertions are enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/graceful-restart-helper	Displays whether graceful restart helper is enabled or not.

URI	Description
<base_URI>/operational-state/isis-state/router-isis-config/isis-hostname-enabled	Displays whether hostname is enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/isis-system-info	Displays ISIS System Information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-system-info/protocol-enabled	Displays IS-IS Routing Protocol Operation State.
<base_URI>/operational-state/isis-state/router-isis-config/isis-system-info/operation-mode	Displays operation mode.
<base_URI>/operational-state/isis-state/router-isis-config/isis-system-info/system-id	Displays system ID.
<base_URI>/operational-state/isis-state/router-isis-config/isis-system-info/nsap	Displays whether NSAP is enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/isis-system-info/nsap/val_net_addr_val/length	Displays NSAP net address length.
<base_URI>/operational-state/isis-state/router-isis-config/l1-auth-profile	Displays Auth profile for Level-1. Displays Auth profile for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-auth-profile/auth-check	Displays Auth Check for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-auth-profile/auth-mode	Displays Auth Mode for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-auth-profile/auth-key	Displays Auth Key for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l2-auth-profile	Displays Auth profile for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-auth-profile/auth-check	Displays Auth Check for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-auth-profile/auth-mode	Displays Auth Mode for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf-timer	Displays SPF timer value for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l2-auth-profile/auth-key	Displays Auth Key for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/log-handler	Displays Displays ISIS log status.
<base_URI>/operational-state/isis-state/router-isis-config/log-handler/log-adj-state-change	Displays ISIS log status for adjacency state change.
<base_URI>/operational-state/isis-state/router-isis-config/log-handler/log-bad-lsp	Displays ISIS log status for bad LSPs
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf-timer/init-delay-time	Displays SPF Init Wait time for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf-timer/hold-down-time	Displays SPF Hold time for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf-timer/max-time	Displays SPF Max Wait time for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf-timer	SPF timer for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf-timer/init-delay-time	Displays SPF Init Wait time for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf-timer/hold-down-time	Displays SPF Hold time for Level-2.

URI	Description
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf-timer/max-time	Displays SPF Max Wait time for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf6-timer	Displays SPF6 timer value for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf6-timer/init-delay-time	Displays SPF6 Init Wait time for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf6-timer/hold-down-time	Displays SPF6 Hold time for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/l1-spf6-timer/max-time	Displays SPF6 Max Wait time for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf6-timer	Displays SPF6 timer value for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf6-timer/init-delay-time	Displays SPF6 Init Wait time for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf6-timer/hold-down-time	SPF6 Hold time for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/l2-spf6-timer/max-time	SPF6 Max Wait time for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/pspf-timer	Displays PSPF timer.
<base_URI>/operational-state/isis-state/router-isis-config/pspf-timer/init-delay-time	Displays PSPF Init Wait time.
<base_URI>/operational-state/isis-state/router-isis-config/pspf-timer/hold-down-time	Displays PSPF Hold time.
<base_URI>/operational-state/isis-state/router-isis-config/pspf-timer/max-time	Displays PSPF Max Wait time.
<base_URI>/operational-state/isis-state/router-isis-config/pspf6-timer	Displays PSPF6 Timer.
<base_URI>/operational-state/isis-state/router-isis-config/pspf6-timer/init-delay-time	Displays PSPF6 Init Wait time.
<base_URI>/operational-state/isis-state/router-isis-config/pspf6-timer/hold-down-time	Displays PSPF6 Hold time.
<base_URI>/operational-state/isis-state/router-isis-config/pspf6-timer/max-time	Displays PSPF6 Max Wait time.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4	Displays ISISv4 address family information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/originate-default-route	Displays whether redistribution of default route is enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/originate-default-routemap-name	Displays route map name if default route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/default-metric	Displays default metric.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/l1-default-link-metric	Displays default metric for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/l2-default-link-metric	Displays default metric for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/administrative-distance	Displays Administrative Distance.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/maximum-equal-cost-paths	Displays ECMP path.

URI	Description
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-static	Displays redistribution of static route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-static/redis-enabled	Displays whether redistribution of static route is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-static/redis-level	Displays static route redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-static/redis-metric	Displays metric for redistributed static route.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-static/redis-metric-type	Displays IS-IS metric type for redistributed static routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-static/redis-routemap-name	Displays Route map name if static route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-connected	Displays redistribution of connected route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-connected/redis-enabled	Displays whether redistribution of connected route is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-connected/redis-level	Displays connected route redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-connected/redis-metric	Displays metric for redistributed connected route.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-connected/redis-metric-type	Displays IS-IS metric type for redistributed connected routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-connected/redis-routemap-name	Displays Route map name if connected route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-bgp	Displays redistribution of BGP route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-bgp/redis-enabled	Displays whether redistribution of BGP route is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-bgp/redis-level	Displays BGP route redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-bgp/redis-metric	Displays metric for redistributed BGP route.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-bgp/redis-metric-type	Displays IS-IS metric type for redistributed BGP routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-bgp/redis-routemap-name	Displays Route map name if BGP route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-isis	Displays ISIS redistribution information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-isis/redis-is-l2-to-l1	Redistribute ISIS route Level-2 to Level-1 Status.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-isis/redis-is-l2-to-l1	Redistribute ISIS route Level-2 to Level-1 with prefix list.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-isis/redis-is-l1-to-l2	Redistribute ISIS route redistribution Level-1 to Level-2 status.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-isis/redis-is-l1-to-l2-prefix	Redistribute ISIS route Level-2 to Level-1 with prefix list.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-ospf	Displays redistribution of OSPF route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redis-ospf/redis-enabled	Displays whether redistribution of OSPF route is enabled or disabled.

URI	Description
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redist-ospf/redist-level	Displays OSPF redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redist-ospf/redist-metric	Displays IS-IS metric type for redistributed OSPF routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redist-ospf/redist-metric-type	Displays IS-IS metric type for redistributed OSPF routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redist-ospf/redist-routemap-name	Displays Route map name if OSPF route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redist-ospf/ospf-internal-enabled	Displays whether Redistribution of OSPF Internal routes is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redist-ospf/ospf-external1-enabled	Displays whether Redistribution of OSPF External type 1 routes is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/redist-ospf/ospf-external2-enabled	Displays whether Redistribution of OSPF External type 2 routes is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/l1-wide-metric-enabled	Displays Metric Style for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/l2-wide-metric-enabled	Displays Metric Style for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/ldp-sync-enabled	Displays LDP sync state.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/ldp-sync-hold-down	Displays LDP sync hold down timer.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/summary-address-v4	Displays summary address information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/summary-address-v4/val_address_val/ipv4-mask	Displays summary address mask value.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v4/summary-address-v4/val_address_val/level	Displays summary address level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6	Displays ISISv6 address family information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/originate-default-route	Displays whether redistribution of default route is enabled or not.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/originate-default-routemap-name	Displays route map name if default route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/default-metric	Displays default metric.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/l1-default-link-metric	Displays default metric for Level-1.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/l2-default-link-metric	Displays default metric for Level-2.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/administrative-distance	Displays Administrative Distance.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/maximum-equal-cost-paths	Displays ECMP path.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redist-static	Displays redistribution of static route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redist-static/redist-enabled	Displays whether redistribution of static route is enabled or disabled.

URI	Description
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-static/redis-level	Displays static route redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-static/redis-metric	Displays metric for redistributed static route.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-static/redis-metric-type	Displays IS-IS metric type for redistributed static routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-static/redis-routemap-name	Displays Route map name if static route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-connected	Displays redistribution of connected route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-connected/redis-enabled	Displays whether redistribution of connected route is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-connected/redis-level	Displays connected route redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-connected/redis-metric	Displays metric for redistributed connected route.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-connected/redis-metric-type	Displays IS-IS metric type for redistributed connected routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-connected/redis-routemap-name	Displays Route map name if connected route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-bgp	Displays redistribution of BGP route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-bgp/redis-enabled	Displays whether redistribution of BGP route is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-bgp/redis-level	Displays BGP route redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-bgp/redis-metric	Displays metric for redistributed BGP route.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-bgp/redis-metric-type	Displays IS-IS metric type for redistributed BGP routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-bgp/redis-routemap-name	Displays Route map name if OSPF route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-isis	Displays ISIS redistribution information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-isis/redis-is-l2-to-l1	Redistribute ISIS route Level-2 to Level-1 Status.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-isis/redis-is-l2-to-l1-prefix	Redistribute ISIS route Level-2 to Level-1 with prefix list.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-isis/redis-is-l1-to-l2	Redistribute ISIS route redistribution Level-1 to Level-2 status.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-isis/redis-is-l1-to-l2-prefix	Redistribute ISIS route Level-2 to Level-1 with prefix list.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-ospf	Displays redistribution of OSPF route information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-ospf/redis-enabled	Displays whether redistribution of OSPF route is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-ospf/redis-level	Displays OSPF redistribution level.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redis-ospf/redis-metric	Displays IS-IS metric type for redistributed OSPF routes.

URI	Description
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redist-ospf/redist-metric-type	Displays IS-IS metric type for redistributed OSPF routes.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redist-ospf/redist-routemap-name	Displays Route map name if OSPF route redistribution is enabled with route-map.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redist-ospf/ospf-internal-enabled	Displays whether Redistribution of OSPF Internal routes is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redist-ospf/ospf-external1-enabled	Displays whether Redistribution of OSPF External type 1 routes is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/redist-ospf/ospf-external2-enabled	Displays whether Redistribution of OSPF External type 2 routes is enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/adjacency-check	Displays ISIS adjacency check status.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/multi-topology	Displays ISIS multi-topology status.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/mt-transition-state	Displays ISIS multi-topology with transition enabled or disabled.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/summary-prefix-v6	Displays summary prefix information.
<base_URI>/operational-state/isis-state/router-isis-config/isis-address-family-v6/summary-prefix-v6/val_address_val/level	Displays summary prefix level.
<base_URI>/operational-state/isis-state/router-isis-config/reverse-metric	Displays ISIS Reverse Metric.
<base_URI>/operational-state/isis-state/router-isis-config/reverse-metric/reverse-metric-value	Displays ISIS Reverse metric value.
<base_URI>/operational-state/isis-state/router-isis-config/reverse-metric/rev-metric-whole-lan	Displays ISIS Reverse Metric for whole LAN.
<base_URI>/operational-state/isis-state/router-isis-config/reverse-metric/rev-metric-te-def-metric	Displays ISIS Reverse metric TE default metric.
<base_URI>/operational-state/isis-state/router-isis-config/reverse-metric/rev-metric-tlv-type	Displays ISIS Reverse metric tlv type
<base_URI>/operational-state/isis-state/router-isis-config/debug-handler	Displays ISIS debug information.
<base_URI>/operational-state/isis-state/router-isis-config/debug-handler/debug-nsr	Displays debug for NSR

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/isis-state/router-isis-config

Request Body

None

Response Body

```
<router-isis-config xmlns="urn:brocade.com:mgmt:brocade-isis-operational" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/operational-state/isis-state/router-isis-config">
  <nsr-state>is-disabled</nsr-state>
  <lsp-flood-count>25</lsp-flood-count>
  <lsp-fast-flood-count>0</lsp-fast-flood-count>
  <fast-flood-wait-count>10</fast-flood-wait-count>
  <hello-padding>is-enabled</hello-padding>
  <hello-padding-ptp>is-enabled</hello-padding-ptp>
  <csnp-interval>10</csnp-interval>
  <lsp-gen-interval>10</lsp-gen-interval>
  <lsp-interval>33</lsp-interval>
  <lsp-refresh-interval>900</lsp-refresh-interval>
  <lsp-lifetime>1200</lsp-lifetime>
  <retransmit-interval>5</retransmit-interval>
  <pspf-enabled>is-enabled</pspf-enabled>
  <ispsf-enabled>is-enabled</ispsf-enabled>
  <istct-spf-enabled>is-enabled</istct-spf-enabled>
  <overload-state>is-disabled</overload-state>
  <overload-startup-time>0</overload-startup-time>
  <overload-wait-on-bgp>is-disabled</overload-wait-on-bgp>
  <overload-bgp-wait-time>600</overload-bgp-wait-time>
  <enable-code-assertions>is-enabled</enable-code-assertions>
  <graceful-restart-helper>is-enabled</graceful-restart-helper>
  <isis-hostname-enabled>is-enabled</isis-hostname-enabled>
  <isis-system-info y:self="/rest/operational-state/isis-state/router-isis-config/isis-system-info">
    <protocol-enabled>is-enabled</protocol-enabled>
    <operation-mode>isis-level1-2</operation-mode>
    <system-id>1111.1111.1111</system-id>
    <nsap y:self="/rest/operational-state/isis-state/router-isis-config/isis-system-info/nsap/
01.1111.1111.1111.00">
      <net-addr>01.1111.1111.1111.00</net-addr>
      <length>8</length>
    </nsap>
  </isis-system-info>
  <log-handler y:self="/rest/operational-state/isis-state/router-isis-config/log-handler">
    <log-adj-state-change>is-enabled</log-adj-state-change>
    <log-bad-lsp>is-disabled</log-bad-lsp>
  </log-handler>
  <is-address-family-v4 y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-
v4">
    <afi>isis-ipv4-afi</afi>
    <safi>isis-ipv4-unicast-safi</safi>
    <originate-default-route>is-enabled</originate-default-route>
    <originate-default-routemap-name></originate-default-routemap-name>
    <default-metric>0</default-metric>
    <l1-default-link-metric>0</l1-default-link-metric>
    <l2-default-link-metric>0</l2-default-link-metric>
    <administrative-distance>100</administrative-distance>
    <maximum-equal-cost-paths>8</maximum-equal-cost-paths>
    <redist-isis y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-v4/
redist-isis">
```

```

    <redist-is-l2-to-l1>is-disabled</redist-is-l2-to-l1>
    <redist-is-l2-to-l1-prefix></redist-is-l2-to-l1-prefix>
    <redist-is-l1-to-l2>is-enabled</redist-is-l1-to-l2>
    <redist-is-l1-to-l2-prefix></redist-is-l1-to-l2-prefix>
  </redist-isis>
  <redist-ospf y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-v4/
redist-ospf">
    <redist-enabled>is-enabled</redist-enabled>
    <redist-level>isis-level1-2</redist-level>
    <redist-metric>0</redist-metric>
    <redist-metric-type>is-metric-internal</redist-metric-type>
    <redist-routemap-name></redist-routemap-name>
    <ospf-internal-enabled>is-enabled</ospf-internal-enabled>
    <ospf-external1-enabled>is-disabled</ospf-external1-enabled>
    <ospf-external2-enabled>is-disabled</ospf-external2-enabled>
  </redist-ospf>
  <redist-static y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-v4/
redist-static">
    <redist-enabled>is-enabled</redist-enabled>
    <redist-level>isis-level2</redist-level>
    <redist-metric>0</redist-metric>
    <redist-metric-type>is-metric-internal</redist-metric-type>
    <redist-routemap-name></redist-routemap-name>
  </redist-static>
  <redist-connected y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-
v4/redist-connected">
    <redist-enabled>is-disabled</redist-enabled>
    <redist-level>isis-level2</redist-level>
    <redist-metric>0</redist-metric>
    <redist-metric-type>is-metric-internal</redist-metric-type>
    <redist-routemap-name></redist-routemap-name>
  </redist-connected>
  <redist-rip y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-v4/
redist-rip">
    <redist-enabled>is-disabled</redist-enabled>
    <redist-level>isis-level2</redist-level>
    <redist-metric>0</redist-metric>
    <redist-metric-type>is-metric-internal</redist-metric-type>
    <redist-routemap-name></redist-routemap-name>
  </redist-rip>
  <redist-bgp y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-v4/
redist-bgp">
    <redist-enabled>is-enabled</redist-enabled>
    <redist-level>isis-level1-2</redist-level>
    <redist-metric>0</redist-metric>
    <redist-metric-type>is-metric-internal</redist-metric-type>
    <redist-routemap-name>"test"</redist-routemap-name>
  </redist-bgp>
  <l1-wide-metric-enabled>true</l1-wide-metric-enabled>
  <l2-wide-metric-enabled>true</l2-wide-metric-enabled>
  <ldp-sync-enabled>is-disabled</ldp-sync-enabled>
  <ldp-sync-hold-down>0</ldp-sync-hold-down>
</is-address-family-v4>
<is-address-family-v6 y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-
v6">
  <afi>isis-ipv6-afi</afi>
  <safi>isis-ipv6-unicast-safi</safi>
  <originate-default-route>is-disabled</originate-default-route>
  <originate-default-routemap-name></originate-default-routemap-name>
  <default-metric>0</default-metric>
  <l1-default-link-metric>0</l1-default-link-metric>
  <l2-default-link-metric>0</l2-default-link-metric>
  <administrative-distance>115</administrative-distance>
  <maximum-equal-cost-paths>8</maximum-equal-cost-paths>
  <redist-isis y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-v6/
redist-isis">
    <redist-is-l2-to-l1>is-disabled</redist-is-l2-to-l1>
    <redist-is-l2-to-l1-prefix></redist-is-l2-to-l1-prefix>
    <redist-is-l1-to-l2>is-enabled</redist-is-l1-to-l2>
    <redist-is-l1-to-l2-prefix></redist-is-l1-to-l2-prefix>
  </redist-isis>
  <redist-ospf y:self="/rest/operational-state/isis-state/router-isis-config/is-address-family-v6/

```

```

redist-ospf">
  <redist-enabled>is-disabled</redist-enabled>
  <redist-level>isis-level2</redist-level>
  <redist-metric>0</redist-metric>
  <redist-metric-type>is-metric-internal</redist-metric-type>
  <redist-routemap-name></redist-routemap-name>
  <ospf-internal-enabled>is-enabled</ospf-internal-enabled>
  <ospf-external1-enabled>is-disabled</ospf-external1-enabled>
  <ospf-external2-enabled>is-disabled</ospf-external2-enabled>
</redist-ospf>
<redist-static y:self="/rest/operational-state/isis-state/router-isis-config/isis-address-family-v6/
redist-static">
  <redist-enabled>is-disabled</redist-enabled>
  <redist-level>isis-level2</redist-level>
  <redist-metric>0</redist-metric>
  <redist-metric-type>is-metric-internal</redist-metric-type>
  <redist-routemap-name></redist-routemap-name>
</redist-static>
<redist-connected y:self="/rest/operational-state/isis-state/router-isis-config/isis-address-family-
v6/redist-connected">
  <redist-enabled>is-disabled</redist-enabled>
  <redist-level>isis-level2</redist-level>
  <redist-metric>0</redist-metric>
  <redist-metric-type>is-metric-internal</redist-metric-type>
  <redist-routemap-name></redist-routemap-name>
</redist-connected>
<redist-rip y:self="/rest/operational-state/isis-state/router-isis-config/isis-address-family-v6/
redist-rip">
  <redist-enabled>is-disabled</redist-enabled>
  <redist-level>isis-level2</redist-level>
  <redist-metric>0</redist-metric>
  <redist-metric-type>is-metric-internal</redist-metric-type>
  <redist-routemap-name></redist-routemap-name>
</redist-rip>
<redist-bgp y:self="/rest/operational-state/isis-state/router-isis-config/isis-address-family-v6/
redist-bgp">
  <redist-enabled>is-disabled</redist-enabled>
  <redist-level>isis-level2</redist-level>
  <redist-metric>0</redist-metric>
  <redist-metric-type>is-metric-internal</redist-metric-type>
  <redist-routemap-name></redist-routemap-name>
</redist-bgp>
<adjacency-check>is-enabled</adjacency-check>
<multi-topology>is-disabled</multi-topology>
<mt-transition-state>false</mt-transition-state>
</isis-address-family-v6>
<reverse-metric y:self="/rest/operational-state/isis-state/router-isis-config/reverse-metric">
  <reverse-metric-value>0</reverse-metric-value>
  <rev-metric-whole-lan>is-disabled</rev-metric-whole-lan>
  <rev-metric-te-def-metric>is-disabled</rev-metric-te-def-metric>
  <rev-metric-tlv-type>254</rev-metric-tlv-type>
</reverse-metric>
<debug-handler y:self="/rest/operational-state/isis-state/router-isis-config/debug-handler">
  <debug-nsr>is-disabled</debug-nsr>
</debug-handler>
<l1-auth-profile y:self="/rest/operational-state/isis-state/router-isis-config/l1-auth-profile">
  <auth-check>is-disabled</auth-check>
  <auth-mode>none</auth-mode>
</l1-auth-profile>
<l2-auth-profile y:self="/rest/operational-state/isis-state/router-isis-config/l2-auth-profile">
  <auth-check>is-disabled</auth-check>
  <auth-mode>none</auth-mode>
</l2-auth-profile>
<l1-spf-timer y:self="/rest/operational-state/isis-state/router-isis-config/l1-spf-timer">
  <init-delay-time>5000</init-delay-time>
  <hold-down-time>5000</hold-down-time>
  <max-time>5000</max-time>
</l1-spf-timer>
<l2-spf-timer y:self="/rest/operational-state/isis-state/router-isis-config/l2-spf-timer">
  <init-delay-time>5000</init-delay-time>
  <hold-down-time>5000</hold-down-time>
  <max-time>5000</max-time>

```

```

</l2-spf-timer>
<l1-spf6-timer y:self="/rest/operational-state/isis-state/router-isis-config/l1-spf6-timer">
  <init-delay-time>5000</init-delay-time>
  <hold-down-time>5000</hold-down-time>
  <max-time>5000</max-time>
</l1-spf6-timer>
<l2-spf6-timer y:self="/rest/operational-state/isis-state/router-isis-config/l2-spf6-timer">
  <init-delay-time>5000</init-delay-time>
  <hold-down-time>5000</hold-down-time>
  <max-time>5000</max-time>
</l2-spf6-timer>
<pspf-timer y:self="/rest/operational-state/isis-state/router-isis-config/pspf-timer">
  <init-delay-time>2000</init-delay-time>
  <hold-down-time>5000</hold-down-time>
  <max-time>5000</max-time>
</pspf-timer>
<pspf6-timer y:self="/rest/operational-state/isis-state/router-isis-config/pspf6-timer">
  <init-delay-time>2000</init-delay-time>
  <hold-down-time>5000</hold-down-time>
  <max-time>5000</max-time>
</pspf6-timer>
</router-isis-config>

```

History

Release version	History
16r.1.00	This API call was introduced.

mctd-client-state-state

Displays the MCT client operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/mctd-client-state-state	Displays the MCT client operational information.
<base_URI>/operational-state/mctd-client-state-state/show-cluster-mctd-client	Displays MCT cluster client states.
<base_URI>/operational-state/mctd-client-state-state/show-cluster-mem-vlan/1/num-vlans	Displays the number of VLANs configured.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/mctd-client-state-state

Request Body

None

Response Body

```
<mctd-client-state-state xmlns="urn:brocade.com:mgmt:brocade-mct-operational" y:self="/rest/operational-
state/mctd-client-state-state">
  <show-cluster-mem-vlan y:self="/rest/operational-state/mctd-client-state-state/show-cluster-mem-vlan/
56">
    <cluster-id>56</cluster-id>
    <num-vlans>2663</num-vlans>
    <vlan-label-info y:self="/rest/operational-state/mctd-client-state-state/show-cluster-mem-vlan/56/
vlan-label-info/2">
      <vlan-id>2</vlan-id>
      <mcast-label-local>817154</mcast-label-local>
      <mcast-label-remote>817154</mcast-label-remote>
    </vlan-label-info>
    <vlan-label-info y:self="/rest/operational-state/mctd-client-state-state/show-cluster-mem-vlan/56/
vlan-label-info/3">
      <vlan-id>3</vlan-id>
      <mcast-label-local>817155</mcast-label-local>
      <mcast-label-remote>817155</mcast-label-remote>
    </vlan-label-info>
    <vlan-label-info y:self="/rest/operational-state/mctd-client-state-state/show-cluster-mem-vlan/56/
vlan-label-info/4">
      <vlan-id>4</vlan-id>
      <mcast-label-local>817156</mcast-label-local>
      <mcast-label-remote>817156</mcast-label-remote>
    </vlan-label-info>
  </show-cluster-mem-vlan>
</mctd-client-state-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

mct-l2ys-state

Displays the complete member-vlan information

Resource URIs

URI	Description
<base_URI>/operational-state/mct-l2ys-state	Displays the complete member-vlan information
<base_URI>/operational-state/mct-l2ys-state/show-cluster-member-vlan	Displays the complete member-vlan information.
<base_URI>/operational-state/mct-l2ys-state/show-cluster-member-vlan/{cluster-id}/num-vlans	Displays the complete member-vlan information for specified cluster-id.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/mct-l2ys-state

Request Body

None

Response Body

```
<data xmlns="http://brocade.com/ns/rest" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running">
<mct-l2ys-state xmlns="urn:brocade.com:mgmt:brocade-l2sys-operational" y:self="/rest/operational-state/mct-l2ys-state">
  <show-cluster-mem-vlan y:self="/rest/operational-state/mct-l2ys-state/show-cluster-mem-vlan/52">
    <cluster-id>52</cluster-id>
    <num-vlans>2663</num-vlans>
    <vlan-label-info y:self="/rest/operational-state/mct-l2ys-state/show-cluster-mem-vlan/52/vlan-label-info/2">
      <vlan-id>2</vlan-id>
      <unicast-label-local>800770</unicast-label-local>
      <unicast-label-remote>800770</unicast-label-remote>
      <fw-state>true</fw-state>
    </vlan-label-info>
    <vlan-label-info y:self="/rest/operational-state/mct-l2ys-state/show-cluster-mem-vlan/52/vlan-label-info/3">
      <vlan-id>3</vlan-id>
      <unicast-label-local>800771</unicast-label-local>
      <unicast-label-remote>0</unicast-label-remote>
      <fw-state>true</fw-state>
    </vlan-label-info>
  </show-cluster-mem-vlan>
</mct-l2ys-state>
</data>
```

History

Release version	History
16r.1.00	This API call was introduced.

mct-state

Displays MCT operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/mct-state	Displays MCT operational information.
<base_URI>/operational-state/mct-state/show-cluster/{cluster-id}	Displays the complete client-information list, which includes cluster-id, client-id, client-name, client-esi, client-interface, client-state, active vlan list, configured vlan list
<base_URI>/operational-state/mct-state/show-cluster/{cluster-id}/cluster-name	Displays the cluster name configured.
<base_URI>/operational-state/show-cluster/{cluster-id}/cluster-status	Provides the cluster status: True for Up status, False for Down status.
<base_URI>/operational-state/show-cluster/{cluster-id}/client-isolation-status	Provides the configured client-isolation status(strict mode or Loose mode).
<base_URI>/operational-state/mct-state/show-cluster/1/num-peers	Displays number of peers.
<base_URI>/operational-state/mct-state/show-cluster/1/num-clients	Displays number of clients.
<base_URI>/operational-state/mct-state/show-cluster/1/num-config-vlans	Displays number of configured VLANs.
<base_URI>/operational-state/mct-state/show-cluster/1/num-active-vlans	Displays number of active VLANs.
<base_URI>/operational-state/show-cluster/{cluster-id}/client-info-list/{cluster-id}/{client-id}/client-name	Displays the client-name information.
<base_URI>/operational-state/show-cluster/{cluster-id}/client-info-list/{cluster-id}/{client-id}/client-interface	Displays the configured client-interface information.
<base_URI>/operational-state/mct-state/show-cluster/1/client-info-list/1/1/client-state	Displays client state.
<base_URI>/operational-state/mct-state/show-cluster/1/client-info-list/1/1/num-config-vlans	Displays number of VLANs.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/mct-state

Request Body

None

Response Body

```
<mct-state xmlns="urn:brocade.com:mgmt:brocade-nsm-operational" y:self="/rest/operational-state/mct-state">
</mct-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state

Displays the MPLS status.

Resource URIs

URI	Description
<base_URI>/rest/operational-state/mpls-state	Displays the MPLS status.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/mpls-state

Request Body

None

Response Body

```
<mpls-state xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" y:self="/rest/operational-state/mpls-state">
  <ldp y:self="/rest/operational-state/mpls-state/ldp">
    <ldp-out y:self="/rest/operational-state/mpls-state/ldp/ldp-out">
      <ldp-initialized>true</ldp-initialized>
      <lsr-id>1.2.3.4</lsr-id>
      <lsr-id-configured>false</lsr-id-configured>
      <loopback>1</loopback>
      <hello-interval-link>5</hello-interval-link>
      <hello-interval-target>15</hello-interval-target>
      <hold-time-sent-link>15</hold-time-sent-link>
      <hold-time-sent-target>45</hold-time-sent-target>
      <ka-interval>6</ka-interval>
      <ka-multiple>6</ka-multiple>
      <ka-timeout>36</ka-timeout>
      <ka-timeout-default>true</ka-timeout-default>
      <load-sharing>3</load-sharing>
      <advertise-fecs-for-prefix-list>ldp-route-injection</advertise-fecs-for-prefix-list>
      <advertise-fecs-for-prefix-list-exists>true</advertise-fecs-for-prefix-list-exists>
      <inbound-fecs-filtering-prefix-list>&quot;&quot;</inbound-fecs-filtering-prefix-list>
      <inbound-fecs-filtering-prefix-list-exists>false</inbound-fecs-filtering-prefix-list-exists>
      <outbound-fecs-filtering-prefix-list>&quot;&quot;</outbound-fecs-filtering-prefix-list>
      <outbound-fecs-filtering-prefix-list-exists>false</outbound-fecs-filtering-prefix-list-exists>
      <tunnel-metric>0</tunnel-metric>
      <fec-128-used-for-auto-disc-current>false</fec-128-used-for-auto-disc-current>
      <fec-128-used-for-auto-disc-configured>false</fec-128-used-for-auto-disc-configured>
      <end-of-lib>false</end-of-lib>
      <eol-notification-time>60000</eol-notification-time>
      <tx-silence-time>1000</tx-silence-time>
      <rx-silence-time>1000</rx-silence-time>
      <gr-enable>false</gr-enable>
      <gr-helper>false</gr-helper>
      <gr-reconnect-time>0</gr-reconnect-time>
      <gr-max-peer-reconnect-time>0</gr-max-peer-reconnect-time>
      <gr-recovery-time>0</gr-recovery-time>
      <gr-max-peer-recovery-time>0</gr-max-peer-recovery-time>
      <forwarding-state-timer-running>false</forwarding-state-timer-running>
      <forwarding-state-timer-remaining>0</forwarding-state-timer-remaining>
      <lwd-delay>60</lwd-delay>
      <lwd-default>true</lwd-default>
    </ldp-out>
  <interface y:self="/rest/operational-state/mpls-state/ldp/interface">
    <ldp-interface-data y:self="/rest/operational-state/mpls-state/ldp/interface/ldp-interface-data">
      &#22Ve 101&#22%2CVe">
        <ldp-interface-name>&quot;Ve 101&quot;</ldp-interface-name>
        <ldp-interface-type>Ve</ldp-interface-type>
        <ldp-interface-lbbsp>0</ldp-interface-lbbsp>
        <ldp-interface-nbr-cnt>1</ldp-interface-nbr-cnt>
        <ldp-interface-hello-intl>5</ldp-interface-hello-intl>
        <ldp-interface-hello-timeout>15</ldp-interface-hello-timeout>
        <ldp-interface-hello-next>2</ldp-interface-hello-next>
      </ldp-interface-data>
    </interface>
  </ldp>
</mpls-state>
```

```

    </ldp-interface-data>
  </interface>
  <ldp-neighbors y:self="/rest/operational-state/mpls-state/ldp/ldp-neighbors">
    <num-link-neighbors>1</num-link-neighbors>
    <num-targeted-neighbors>1</num-targeted-neighbors>
    <neighbor y:self="/rest/operational-state/mpls-state/ldp/ldp-neighbors/neighbor/6.6.6.6%2C0">
      <neighbor-ldpid>6.6.6.6</neighbor-ldpid>
      <labelspaceid>0</labelspaceid>
      <neighbor-transport>6.6.6.6</neighbor-transport>
      <interface-name>"Ve 101"</interface-name>
      <max-hold-time>15</max-hold-time>
      <time-left>14</time-left>
      <up-time>"19 hr 22 min 18 sec"</up-time>
      <configured-hold-time>15</configured-hold-time>
      <neighbor-proposed-hold-time>15</neighbor-proposed-hold-time>
    </neighbor>
    <neighbor y:self="/rest/operational-state/mpls-state/ldp/ldp-neighbors/neighbor/4.4.3.2%2C0">
      <neighbor-ldpid>4.4.3.2</neighbor-ldpid>
      <labelspaceid>0</labelspaceid>
      <neighbor-transport>4.4.3.2</neighbor-transport>
      <interface-name>(targeted)</interface-name>
      <max-hold-time>45</max-hold-time>
      <time-left>35</time-left>
      <up-time>"22 hr 36 min 57 sec"</up-time>
      <configured-hold-time>45</configured-hold-time>
      <neighbor-proposed-hold-time>45</neighbor-proposed-hold-time>
    </neighbor>
  </ldp-neighbors>
  <ldp-session-summary y:self="/rest/operational-state/mpls-state/ldp/ldp-session-summary">
    <num-link-sessions>1</num-link-sessions>
    <num-operational-link-sessions>1</num-operational-link-sessions>
    <num-targeted-sessions>1</num-targeted-sessions>
    <num-operational-targeted-sessions>1</num-operational-targeted-sessions>
  </ldp-session-summary>
  <fec y:self="/rest/operational-state/mpls-state/ldp/fec">
    <ldp-fec-summary y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-summary">
      <tot-no-of-prefix-fec>3804</tot-no-of-prefix-fec>
      <tot-no-of-prefix-fec-installed>1003</tot-no-of-prefix-fec-installed>
      <tot-no-of-prefix-fec-filtered>0</tot-no-of-prefix-fec-filtered>
      <tot-no-of-vc-fec-128>251</tot-no-of-vc-fec-128>
      <tot-no-of-vc-fec-129>0</tot-no-of-vc-fec-129>
      <tot-no-of-vc-fec-installed>250</tot-no-of-vc-fec-installed>
      <tot-no-of-route-upd-proc-errors>0</tot-no-of-route-upd-proc-errors>
      <tot-no-of-vc-fec-proc-errors>0</tot-no-of-vc-fec-proc-errors>
    </ldp-fec-summary>
    <ldp-fec-prefixes y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes">
      <tot-no-of-prefix-fec>3804</tot-no-of-prefix-fec>
      <tot-no-of-prefix-fec-installed>1003</tot-no-of-prefix-fec-installed>
      <tot-no-of-prefix-fec-filtered>0</tot-no-of-prefix-fec-filtered>
      <tot-no-of-prefix-fec-lwd>0</tot-no-of-prefix-fec-lwd>
      <prefix y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes/prefix/
%221.2.3.4/32%22">
        <destination>1.2.3.4/32</destination>
        <state>current</state>
        <ingress>No</ingress>
        <egress>Yes</egress>
        <filtered>-</filtered>
        <lwd>No</lwd>
        <nexthops y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes/prefix/
%221.2.3.4/32%22/nexthops/--">
          <nexthop>--</nexthop>
          <out-intf>--</out-intf>
        </nexthops>
      </prefix>
    </ldp-fec-prefixes>
  </fec>
</ldp>

```

<<OUTPUT TRUNCATED>>

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/forwarding-entry

Displays information on forward entry.

Resource URIs

URI	Description
<base_URI>rest/operational-state/mpls-state/forwarding-entry	Displays information on forward entry.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://80:/rest/operational-state/mpls-state/forwarding-entry

Request Body

None

Response Body

```
<forwarding-entry xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/forwarding-entry/1%2C0">
  <entry-index>1</entry-index>
  <sync-index>0</sync-index>
  <dest-ip-prefix>4.4.3.2/32</dest-ip-prefix>
  <out-label>2048</out-label>
  <protocol>mpls-protocol-rsvp</protocol>
  <out-interface-name>&quot;Ve 101&quot;</out-interface-name>
  <nexthop-ip-addr>16.16.16.2</nexthop-ip-addr>
</forwarding-entry>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/interface

Displays the MPLS interface.

Resource URIs

URI	Description
<base URI>/rest/operational-state/mpls-state/interface	Displays the MPLS interface.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/interface

Request Body

None

Response Body

```
<interface xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/interface/1207959653">
  <interface-index>1207959653</interface-index>
  <interface-name>"Ve 101"</interface-name>
  <admin-status>true</admin-status>
  <oper-status>true</oper-status>
  <mtu>1500</mtu>
  <bypass-lsp-count>0</bypass-lsp-count>
  <max-lsp-priority-level>8</max-lsp-priority-level>
  <is-ldp-enabled>true</is-ldp-enabled>
  <ldp-tunnel-count>1003</ldp-tunnel-count>
  <ldp-transit-tunnel-count>0</ldp-transit-tunnel-count>
  <is-gre-port>false</is-gre-port>
  <admin-group>0</admin-group>
  <admin-group-max>31</admin-group-max>
  <admin-group-min>0</admin-group-min>
  <max-bandwidth>299999985</max-bandwidth>
  <max-resv-bandwidth>299999985</max-resv-bandwidth>
  <resv-bandwidth>299999985 299999985 299999985 299999985 299999985 299999985 299999985 299999985</resv-
bandwidth>
  <advert-unreserved-bandwidth>299999985 299999985 299999985 299999985 299999985 299999985 299999985 299999985
299999985</advert-unreserved-bandwidth>
  <under-provisioned-bandwidth>0 0 0 0 0 0 0 0</under-provisioned-bandwidth>
</interface>
```


History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp

Retrieves LDP information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp	Retrieves LDP information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

https://host:80/rest/operational-state/mpls-state/ldp

Request Body

None

Response Body

```
<ldp xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp">
  <ldp-out y:self="/rest/operational-state/mpls-state/ldp/ldp-out">
    <ldp-initialized>true</ldp-initialized>
    <lsr-id>1.2.3.4</lsr-id>
    <lsr-id-configured>false</lsr-id-configured>
    <loopback>1</loopback>
    <hello-interval-link>5</hello-interval-link>
    <hello-interval-target>15</hello-interval-target>
    <hold-time-sent-link>15</hold-time-sent-link>
    <hold-time-sent-target>45</hold-time-sent-target>
    <ka-interval>6</ka-interval>
    <ka-multiple>6</ka-multiple>
    <ka-timeout>36</ka-timeout>
    <ka-timeout-default>true</ka-timeout-default>
    <load-sharing>3</load-sharing>
    <advertise-fecs-for-prefix-list>ldp-route-injection</advertise-fecs-for-prefix-list>
    <advertise-fecs-for-prefix-list-exists>true</advertise-fecs-for-prefix-list-exists>
    <inbound-fecs-filtering-prefix-list>&quot;&quot;</inbound-fecs-filtering-prefix-list>
    <inbound-fecs-filtering-prefix-list-exists>false</inbound-fecs-filtering-prefix-list-exists>
    <outbound-fecs-filtering-prefix-list>&quot;&quot;</outbound-fecs-filtering-prefix-list>
    <outbound-fecs-filtering-prefix-list-exists>false</outbound-fecs-filtering-prefix-list-exists>
    <tunnel-metric>0</tunnel-metric>
    <fec-128-used-for-auto-disc-current>false</fec-128-used-for-auto-disc-current>
    <fec-128-used-for-auto-disc-configured>false</fec-128-used-for-auto-disc-configured>
    <end-of-lib>false</end-of-lib>
    <eol-notification-time>60000</eol-notification-time>
    <tx-silence-time>1000</tx-silence-time>
    <rx-silence-time>1000</rx-silence-time>
    <gr-enable>false</gr-enable>
    <gr-helper>false</gr-helper>
    <gr-reconnect-time>0</gr-reconnect-time>
    <gr-max-peer-reconnect-time>0</gr-max-peer-reconnect-time>
    <gr-recovery-time>0</gr-recovery-time>
    <gr-max-peer-recovery-time>0</gr-max-peer-recovery-time>
    <forwarding-state-timer-running>false</forwarding-state-timer-running>
    <forwarding-state-timer-remaining>0</forwarding-state-timer-remaining>
    <lwd-delay>60</lwd-delay>
    <lwd-default>true</lwd-default>
  </ldp-out>
</ldp>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/fec

Displays LDP FEC summary.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/fec	Displays LDP FEC summary.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/fec

Request Body

None

Response Body

```
<fec xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/fec">
  <ldp-fec-summary y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-summary">
    <tot-no-of-prefix-fec>3804</tot-no-of-prefix-fec>
    <tot-no-of-prefix-fec-installed>1003</tot-no-of-prefix-fec-installed>
    <tot-no-of-prefix-fec-filtered>0</tot-no-of-prefix-fec-filtered>
    <tot-no-of-vc-fec-128>251</tot-no-of-vc-fec-128>
    <tot-no-of-vc-fec-129>0</tot-no-of-vc-fec-129>
    <tot-no-of-vc-fec-installed>250</tot-no-of-vc-fec-installed>
    <tot-no-of-route-upd-proc-errors>0</tot-no-of-route-upd-proc-errors>
    <tot-no-of-vc-fec-proc-errors>0</tot-no-of-vc-fec-proc-errors>
  </ldp-fec-summary>
  <ldp-fec-prefixes y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes">
    <tot-no-of-prefix-fec>3804</tot-no-of-prefix-fec>
    <tot-no-of-prefix-fec-installed>1003</tot-no-of-prefix-fec-installed>
    <tot-no-of-prefix-fec-filtered>0</tot-no-of-prefix-fec-filtered>
    <tot-no-of-prefix-fec-lwd>0</tot-no-of-prefix-fec-lwd>
    <prefix y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes/prefix/
%221.2.3.4/32%22">
      <destination>1.2.3.4/32</destination>
      <state>current</state>
      <ingress>No</ingress>
      <egress>Yes</egress>
      <filtered>-</filtered>
      <lwd>No</lwd>
      <nexthops y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes/prefix/
%221.2.3.4/32%22/nexthops/--">
        <nexthop>--</nexthop>
        <out-intf>--</out-intf>
      </nexthops>
    </prefix>
  </ldp-fec-prefixes>
</fec>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/fec/ldp-fec-prefix-prefix

Displays information on the LDP FEC prefix of prefixes.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp-fec-prefix-prefix	Displays information on the LDP FEC prefix of prefixes.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp-fec-prefix-prefix

Request Body

None

Response Body

```
<ldp-fec-prefix-prefix xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefix-prefix">
  <prefix>1.2.3.4/32</prefix>
  <prefix-feccb>1402059352</prefix-feccb>
  <prefix-idx>7507</prefix-idx>
  <prefix-type>2</prefix-type>
  <prefix-pend-notif>Up</prefix-pend-notif>
  <prefix-state>current</prefix-state>
  <prefix-ingress>No</prefix-ingress>
  <prefix-egress>Yes</prefix-egress>
  <prefix-um-dist-done>Yes</prefix-um-dist-done>
  <prefix-lwd>Inactive</prefix-lwd>
  <prefix-lwd-started>" N/A"</prefix-lwd-started>
  <prefix-is-ldp-o-rsvp>false</prefix-is-ldp-o-rsvp>
  <prefix-excess-dms>false</prefix-excess-dms>
</ldp-fec-prefix-prefix>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/fec/ldp-fec-prefixes

Displays the LDP FEC prefixes.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes	Displays the LDP FEC prefixes.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes

Request Body

None

Response Body

```
<ldp-fec-prefixes xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes">
  <tot-no-of-prefix-fec>3804</tot-no-of-prefix-fec>
  <tot-no-of-prefix-fec-installed>1003</tot-no-of-prefix-fec-installed>
  <tot-no-of-prefix-fec-filtered>0</tot-no-of-prefix-fec-filtered>
  <tot-no-of-prefix-fec-lwd>0</tot-no-of-prefix-fec-lwd>
  <prefix y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes/prefix/%221.2.3.4/32%22">
    <destination>1.2.3.4/32</destination>
    <state>current</state>
    <ingress>No</ingress>
    <egress>Yes</egress>
    <filtered>--</filtered>
    <lwd>No</lwd>
    <nexthops y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-prefixes/prefix/%221.2.3.4/32%22/nexthops/--">
      <nexthop>--</nexthop>
      <out-intf>--</out-intf>
    </nexthops>
  </prefix>
</ldp-fec-prefixes>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/fec/ldp-fec-summary

Displays the LDP FEC summary.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/fec/ldp-fec-summary	Displays the LDP FEC summary.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/fec/ldp-fec-summary>

Request Body

None

Response Body

```
<ldp-fec-summary xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-summary">
  <tot-no-of-prefix-fec>3804</tot-no-of-prefix-fec>
  <tot-no-of-prefix-fec-installed>1003</tot-no-of-prefix-fec-installed>
  <tot-no-of-prefix-fec-filtered>0</tot-no-of-prefix-fec-filtered>
  <tot-no-of-vc-fec-128>251</tot-no-of-vc-fec-128>
  <tot-no-of-vc-fec-129>0</tot-no-of-vc-fec-129>
  <tot-no-of-vc-fec-installed>250</tot-no-of-vc-fec-installed>
  <tot-no-of-route-upd-proc-errors>0</tot-no-of-route-upd-proc-errors>
  <tot-no-of-vc-fec-proc-errors>0</tot-no-of-vc-fec-proc-errors>
</ldp-fec-summary>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/fec/ldp-fec-vcs

Displays information on the LDP FEC VCS.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/fec/ldp-fec-vcs	Displays information on the LDP FEC VCS.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/fec/ldp-fec-vcs

Request Body

None

Response Body

```
<ldp-fec-vcs xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-vcs">
  <tot-no-of-vc-fec>251</tot-no-of-vc-fec>
  <tot-no-of-vc-fec-installed>250</tot-no-of-vc-fec-installed>
  <vc y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-vcs/vc/4.4.3.2">
    <peer-id>4.4.3.2</peer-id>
    <peer-lblspc>0</peer-lblspc>
    <state>current</state>
    <vc-id>1</vc-id>
    <peer-vc-type>4</peer-vc-type>
    <peer-fec-type>128</peer-fec-type>
    <ingress>Yes</ingress>
    <egress>Yes</egress>
  </vc>
  <key y:self="/rest/operational-state/mpls-state/ldp/fec/ldp-fec-vcs/key">
  </key>
</ldp-fec-vcs>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/interface

LDP interface information.

Resource URIs

URI	Description
/rest/operational-state/mpls-state/ldp/interface	Displays LDP interface information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/interface

Request Body

None

Response Body

```
<interface xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/interface">
  <ldp-interface-data y:self="/rest/operational-state/mpls-state/ldp/interface/ldp-interface-data/%22Ve
101%22%2CVe">
    <ldp-interface-name>&quot;Ve 101&quot;</ldp-interface-name>
    <ldp-interface-type>Ve</ldp-interface-type>
    <ldp-interface-lbbsp>0</ldp-interface-lbbsp>
    <ldp-interface-nbr-cnt>1</ldp-interface-nbr-cnt>
    <ldp-interface-hello-intl>5</ldp-interface-hello-intl>
    <ldp-interface-hello-timeout>15</ldp-interface-hello-timeout>
    <ldp-interface-hello-next>2</ldp-interface-hello-next>
  </ldp-interface-data>
</interface>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/ldp-neighbors

Displays information on LDP neighbors.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/ldp-neighbors	Displays information on LDP neighbors.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/ldp-neighbors

Request Body

None

Response Body

```
<ldp-neighbors xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/ldp/ldp-neighbors">
  <num-link-neighbors>1</num-link-neighbors>
  <num-targeted-neighbors>1</num-targeted-neighbors>
  <neighbor y:self="/rest/operational-state/mpls-state/ldp/ldp-neighbors/neighbor/6.6.6.6%2C0">
    <neighbor-ldpid>6.6.6.6</neighbor-ldpid>
    <labelspaceid>0</labelspaceid>
    <neighbor-transport>6.6.6.6</neighbor-transport>
    <interface-name>"Ve 101"</interface-name>
    <max-hold-time>15</max-hold-time>
    <time-left>13</time-left>
    <up-time>"19 hr 29 min 14 sec "</up-time>
    <configured-hold-time>15</configured-hold-time>
    <neighbor-proposed-hold-time>15</neighbor-proposed-hold-time>
  </neighbor>
  <neighbor y:self="/rest/operational-state/mpls-state/ldp/ldp-neighbors/neighbor/4.4.3.2%2C0">
    <neighbor-ldpid>4.4.3.2</neighbor-ldpid>
    <labelspaceid>0</labelspaceid>
    <neighbor-transport>4.4.3.2</neighbor-transport>
    <interface-name>(targeted)</interface-name>
    <max-hold-time>45</max-hold-time>
    <time-left>39</time-left>
    <up-time>"22 hr 43 min 52 sec "</up-time>
    <configured-hold-time>45</configured-hold-time>
    <neighbor-proposed-hold-time>45</neighbor-proposed-hold-time>
  </neighbor>
</ldp-neighbors>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/ldp-out

Displays LDP out information.

Resource URIs

URI	Description
<base_URI>operational-state/mpls-state/ldp/ldp-out	Displays LDP out information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/ldp-out

Request Body

None

Response Body

```
<ldp-out xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/ldp-out">
  <ldp-initialized>true</ldp-initialized>
  <lsr-id>1.2.3.4</lsr-id>
  <lsr-id-configured>false</lsr-id-configured>
  <loopback>1</loopback>
  <hello-interval-link>5</hello-interval-link>
  <hello-interval-target>15</hello-interval-target>
  <hold-time-sent-link>15</hold-time-sent-link>
  <hold-time-sent-target>45</hold-time-sent-target>
  <ka-interval>6</ka-interval>
  <ka-multiple>6</ka-multiple>
  <ka-timeout>36</ka-timeout>
  <ka-timeout-default>true</ka-timeout-default>
  <load-sharing>3</load-sharing>
  <advertise-fecs-for-prefix-list>ldp-route-injection</advertise-fecs-for-prefix-list>
  <advertise-fecs-for-prefix-list-exists>true</advertise-fecs-for-prefix-list-exists>
  <inbound-fecs-filtering-prefix-list>&quot;&quot;</inbound-fecs-filtering-prefix-list>
  <inbound-fecs-filtering-prefix-list-exists>false</inbound-fecs-filtering-prefix-list-exists>
  <outbound-fecs-filtering-prefix-list>&quot;&quot;</outbound-fecs-filtering-prefix-list>
  <outbound-fecs-filtering-prefix-list-exists>false</outbound-fecs-filtering-prefix-list-exists>
  <tunnel-metric>0</tunnel-metric>
  <fec-128-used-for-auto-disc-current>false</fec-128-used-for-auto-disc-current>
  <fec-128-used-for-auto-disc-configured>false</fec-128-used-for-auto-disc-configured>
  <end-of-lib>false</end-of-lib>
  <eol-notification-time>60000</eol-notification-time>
  <tx-silence-time>1000</tx-silence-time>
  <rx-silence-time>1000</rx-silence-time>
  <gr-enable>false</gr-enable>
  <gr-helper>false</gr-helper>
  <gr-reconnect-time>0</gr-reconnect-time>
  <gr-max-peer-reconnect-time>0</gr-max-peer-reconnect-time>
  <gr-recovery-time>0</gr-recovery-time>
  <gr-max-peer-recovery-time>0</gr-max-peer-recovery-time>
  <forwarding-state-timer-running>false</forwarding-state-timer-running>
  <forwarding-state-timer-remaining>0</forwarding-state-timer-remaining>
  <lwd-delay>60</lwd-delay>
  <lwd-default>true</lwd-default>
</ldp-out>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/ldp-session

Displays information on the LDP session.

Resource URIs

URI	Description
<base-URI>/operational-state/mpls-state/ldp/ldp-session	Displays information on the LDP session.
<base_URI>/operational-state/mpls-state/ldp/ldp-session/(ip-address)	Displays the LDP session IP address.
<base_URI>/operational-state/mpls-state/ldp/ldp-session/ip/session-ldp-stats	Displays LDP session status.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/ldp-session

Request Body

None

Response Body

```
<ldp-session xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/ldp-session/4.4.3.2:0">
  <peer-ldp-id>4.4.3.2:0</peer-ldp-id>
  <peer-lblspc-id>"</peer-lblspc-id>
  <state>Operational</state>
  <adjacency>Targeted</adjacency>
  <role>Passive</role>
  <max-hold>36</max-hold>
  <time-left>31</time-left>
  <session-status>Up</session-status>
  <local-ldp-id>1.2.3.4:0</local-ldp-id>
  <local-lblspc-id>"</local-lblspc-id>
  <next-keepalive>3</next-keepalive>
  <entity-index>2</entity-index>
  <targeted-adj-added>Yes</targeted-adj-added>
  <is-retry>>false</is-retry>
  <next-retry>0</next-retry>
  <keepalive-interval>6000</keepalive-interval>
  <local-keepalive-timeout>36</local-keepalive-timeout>
  <peer-proposed-keepalive-timeout>36</peer-proposed-keepalive-timeout>
  <session-up-time>"22 hr 44 min 19 sec "</session-up-time>
  <tcp-conn-local>1.2.3.4:646</tcp-conn-local>
  <tcp-conn-remote>4.4.3.2:13603</tcp-conn-remote>
  <tcp-state>ESTABLISHED</tcp-state>
  <num-fecs-received-from-peer>251</num-fecs-received-from-peer>
  <num-fecs-installed-from-peer>250</num-fecs-installed-from-peer>
  <is-fecs-pending-uninstall>>false</is-fecs-pending-uninstall>
  <num-fecs-filtered-out>0</num-fecs-filtered-out>
  <num-fecs-filtered-in>0</num-fecs-filtered-in>
  <filter-prefix-list-exists>>false</filter-prefix-list-exists>
  <is-only-gr-valid>>false</is-only-gr-valid>
  <gr-enabled>>false</gr-enabled>
  <peer-reconnect-time>0</peer-reconnect-time>
  <peer-recovery-time>0</peer-recovery-time>
  <reconnect-time-in-use>0</reconnect-time-in-use>
  <reconnect-time-remaining>0</reconnect-time-remaining>
  <recovery-time-in-use>0</recovery-time-in-use>
  <recovery-time-remaining>0</recovery-time-remaining>
  <local-eol-unrecognized-notification>>false</local-eol-unrecognized-notification>
  <remote-eol-unrecognized-notification>>false</remote-eol-unrecognized-notification>
  <does-session-support-eol>>false</does-session-support-eol>
  <local-state>>true</local-state>
  <remote-state>>false</remote-state>
  <eol-notification-time>0</eol-notification-time>
  <eol-notification-time-remaining>0</eol-notification-time-remaining>
  <eol-tx-label-silence-time>0</eol-tx-label-silence-time>
  <eol-tx-label-silence-time-remaining>0</eol-tx-label-silence-time-remaining>
  <eol-rx-label-silence-time>1000</eol-rx-label-silence-time>
  <eol-rx-label-silence-time-remaining>0</eol-rx-label-silence-time-remaining>
  <filtered>enum=0</filtered>
  <interfaces>(targeted)</interfaces>
  <addresses>4.4.3.2 34.34.34.2 45.45.45.1</addresses>
  <session-ldp-stats y:self="/rest/operational-state/mpls-state/ldp/ldp-session/4.4.3.2:0/session-ldp-
```



```

stats">
  <ldp-protocol-errors-instance-total y:self="/rest/operational-state/mpls-state/ldp/ldp-session/
4.4.3.2:0/session-ldp-stats/ldp-protocol-errors-instance-total">
  </ldp-protocol-errors-instance-total>
  <ldp-protocol-stats-instance-total y:self="/rest/operational-state/mpls-state/ldp/ldp-session/
4.4.3.2:0/session-ldp-stats/ldp-protocol-stats-instance-total">
  </ldp-protocol-stats-instance-total>
</session-ldp-stats>
</ldp-session>

```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/ldp-session-summary

Displays the LDP session summary.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/ldp-session-summary	Displays the LDP session summary.

Usage Guidelines

Only GET operations is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/ldp-session-summary

Request Body

None

Response Body

```
<ldp-session-summary xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/ldp/ldp-session-summary">
  <num-link-sessions>1</num-link-sessions>
  <num-operational-link-sessions>1</num-operational-link-sessions>
  <num-targeted-sessions>1</num-targeted-sessions>
  <num-operational-targeted-sessions>1</num-operational-targeted-sessions>
</ldp-session-summary>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/statistics

Displays the MPLS traffic statistics.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/statistics	Displays the MPLS traffic statistics.

Usage Guidelines

Only GET operation is supported .

Example

URI

http://host:80/rest/operational-state/mpls-state/ldp/statistics

Request Body

None

Response Body

```
<statistics xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/statistics">
  <ldp-protocol-errors-instance-total y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-
protocol-errors-instance-total">
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/0">
      <error-type>0</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/1">
      <error-type>1</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/2">
      <error-type>2</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/3">
      <error-type>3</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/4">
      <error-type>4</error-type>
      <count>0</count>
    </protocol-errors>
  </ldp-protocol-errors-instance-total>
</statistics>
```

```

    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/5">
      <error-type>5</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/6">
      <error-type>6</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/7">
      <error-type>7</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/8">
      <error-type>8</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/9">
      <error-type>9</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/10">
      <error-type>10</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/11">
      <error-type>11</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/12">
      <error-type>12</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/13">
      <error-type>13</error-type>
      <count>0</count>
    </protocol-errors>
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-
instance-total/protocol-errors/14">
      <error-type>14</error-type>
      <count>0</count>
    </protocol-errors>
  </ldp-protocol-errors-instance-total>
  <ldp-protocol-stats-instance-total y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-
protocol-stats-instance-total">
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/0">
      <stat-type>0</stat-type>
      <rx-count>0</rx-count>
      <tx-count>1</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/1">
      <stat-type>1</stat-type>
      <rx-count>14052</rx-count>
      <tx-count>14052</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/2">
      <stat-type>2</stat-type>
      <rx-count>5464</rx-count>
      <tx-count>5467</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-

```

```

instance-total/protocol-stats/3">
  <stat-type>3</stat-type>
  <rx-count>3</rx-count>
  <tx-count>2</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/4">
  <stat-type>4</stat-type>
  <rx-count>25367</rx-count>
  <tx-count>25364</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/5">
  <stat-type>5</stat-type>
  <rx-count>2</rx-count>
  <tx-count>2</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/6">
  <stat-type>6</stat-type>
  <rx-count>0</rx-count>
  <tx-count>0</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/7">
  <stat-type>7</stat-type>
  <rx-count>1255</rx-count>
  <tx-count>11925</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/8">
  <stat-type>8</stat-type>
  <rx-count>0</rx-count>
  <tx-count>0</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/9">
  <stat-type>9</stat-type>
  <rx-count>1</rx-count>
  <tx-count>8874</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/10">
  <stat-type>10</stat-type>
  <rx-count>8874</rx-count>
  <tx-count>1</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/11">
  <stat-type>11</stat-type>
  <rx-count>0</rx-count>
  <tx-count>0</tx-count>
</protocol-stats>
<protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-total/protocol-stats/12">
  <stat-type>12</stat-type>
  <rx-count>0</rx-count>
  <tx-count>0</tx-count>
</protocol-stats>
</ldp-protocol-stats-instance-total>
<ldp-protocol-stats-instance-since-clear y:self="/rest/operational-state/mpls-state/ldp/statistics/
ldp-protocol-stats-instance-since-clear">
  <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/0">
    <stat-type>0</stat-type>
    <rx-count>0</rx-count>
    <tx-count>1</tx-count>
  </protocol-stats>
  <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/1">
    <stat-type>1</stat-type>
    <rx-count>14052</rx-count>

```

```

        <tx-count>14052</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/2">
        <stat-type>2</stat-type>
        <rx-count>5464</rx-count>
        <tx-count>5467</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/3">
        <stat-type>3</stat-type>
        <rx-count>3</rx-count>
        <tx-count>2</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/4">
        <stat-type>4</stat-type>
        <rx-count>25367</rx-count>
        <tx-count>25364</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/5">
        <stat-type>5</stat-type>
        <rx-count>2</rx-count>
        <tx-count>2</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/6">
        <stat-type>6</stat-type>
        <rx-count>0</rx-count>
        <tx-count>0</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/7">
        <stat-type>7</stat-type>
        <rx-count>1255</rx-count>
        <tx-count>11925</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/8">
        <stat-type>8</stat-type>
        <rx-count>0</rx-count>
        <tx-count>0</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/9">
        <stat-type>9</stat-type>
        <rx-count>1</rx-count>
        <tx-count>8874</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/10">
        <stat-type>10</stat-type>
        <rx-count>8874</rx-count>
        <tx-count>1</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/11">
        <stat-type>11</stat-type>
        <rx-count>0</rx-count>
        <tx-count>0</tx-count>
    </protocol-stats>
    <protocol-stats y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-stats-
instance-since-clear/protocol-stats/12">
        <stat-type>12</stat-type>
        <rx-count>0</rx-count>
        <tx-count>0</tx-count>
    </protocol-stats>
</ldp-protocol-stats-instance-since-clear>
<ldp-protocol-errors-instance-since-clear y:self="/rest/operational-state/mpls-state/ldp/statistics/
ldp-protocol-errors-instance-since-clear">
    <protocol-errors y:self="/rest/operational-state/mpls-state/ldp/statistics/ldp-protocol-errors-

```



```
<count>0</count>  
</protocol-errors>  
</ldp-protocol-errors-instance-since-clear>  
</statistics>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/tunnels

Displays the MPLS LDP tunnels.

Resource URIs

URI	Description
<base_URI>operational-state/mpls-state/ldp/tunnels	Displays the MPLS LDP tunnels.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/tunnels

Request Body

None

Response Body

```
<tunnels xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/tunnels">
  <total-tunnel-count>1003</total-tunnel-count>
  <ldp-tunnels y:self="/rest/operational-state/mpls-state/ldp/tunnels/ldp-tunnels/33.25.8.0%2C24">
    <tunnel-destination>33.25.8.0</tunnel-destination>
    <prefix-length>24</prefix-length>
    <tunnel-interface-index>2092960282</tunnel-interface-index>
    <tunnel-metric>0</tunnel-metric>
    <tunnel-vif>2586</tunnel-vif>
    <out-segments y:self="/rest/operational-state/mpls-state/ldp/tunnels/ldp-tunnels/33.25.8.0%2C24/out-
segments/%22Ve 101%22">
      <outgoing-interface>&quot;Ve 101&quot;</outgoing-interface>
      <next-hop-ipaddress>16.16.16.2</next-hop-ipaddress>
    </out-segments>
  </ldp-tunnels>
  <ldp-tunnels y:self="/rest/operational-state/mpls-state/ldp/tunnels/ldp-tunnels/33.25.7.0%2C24">
    <tunnel-destination>33.25.7.0</tunnel-destination>
    <prefix-length>24</prefix-length>
    <tunnel-interface-index>2092960231</tunnel-interface-index>
    <tunnel-metric>0</tunnel-metric>
    <tunnel-vif>2535</tunnel-vif>
    <out-segments y:self="/rest/operational-state/mpls-state/ldp/tunnels/ldp-tunnels/33.25.7.0%2C24/out-
segments/%22Ve 101%22">
      <outgoing-interface>&quot;Ve 101&quot;</outgoing-interface>
      <next-hop-ipaddress>16.16.16.2</next-hop-ipaddress>
    </out-segments>
  </ldp-tunnels>
</tunnels>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/ldp/tunnels/ldp-tunnels

Displays MPLS LDP tunnel information.

Resource URIs

URI	Description
<base_URI>/operational-state/ mpls-state/ldp/tunnels/ldp-tunnels	Displays MPLS LDP tunnel information.
<base_URI>/operational-state/mpls-state/ldp/tunnels/ldp-tunnels/{tunnel-destination}	Displays MPLS LDP tunnel destination details.

Usage Guidelines

Only GET operations is supported.

Examples

URI

http://host:80/rest/operational-state/ mpls-state/ldp/tunnels/ldp-tunnels

Request Body

None

Response Body

```
<ldp-tunnels xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/ldp/tunnels/ldp-tunnels/3.3.3.3%2C32">
  <tunnel-destination>3.3.3.3</tunnel-destination>
  <prefix-length>32</prefix-length>
  <tunnel-interface-index>2092958233</tunnel-interface-index>
  <tunnel-metric>0</tunnel-metric>
  <tunnel-vif>537</tunnel-vif>
  <out-segments y:self="/rest/operational-state/mpls-state/ldp/tunnels/ldp-tunnels/3.3.3.3%2C32/out-
segments/%22Ve 101%22">
    <outgoing-interface>&quot;Ve 101&quot;</outgoing-interface>
    <next-hop-ipaddress>16.16.16.2</next-hop-ipaddress>
  </out-segments>
</ldp-tunnels>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/lsp

Displays the MPLS LSP information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/lsp	Displays the MPLS LSP information.
<base_URI>/operational-state/mpls-state/lsp/{lsp-name}	Displays the MPLS LSP details.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/lsp

Request Body

None

Response Body

```
<lsp xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/lsp/tor4_1140">
  <lsp-name>tor4_1140</lsp-name>
  <history>&quot; 0 07-24 13:05:25 : LSP tunnel is Enabled\\n 1 07-24 13:06:48 : CSPF-
Computation failed for Primary path ve101. Error 0:(Initializing)[4 times]\\n 2 07-24 13:06:48 :
CSPF-Computation failed for Secondary path ve171. Error 0:(Initializing)\\n 3 07-24 13:07:48 : CSPF-
Computation failed for Primary path ve101. Error 0:(Initializing)\\n 4 07-24 13:07:48 : CSPF-
Computation failed for Secondary path ve171. Error 0:(Initializing)\\n 5 07-24 13:08:48 : CSPF-
Computation failed for Primary path ve101. Error 0:(Initializing)\\n 6 07-24 13:08:48 : CSPF-
Computation failed for Secondary path ve171. Error 0:(Initializing)\\n 7 07-24 13:09:48 : CSPF-
Computation failed for Primary path ve101. Error 0:(Initializing)\\n 8 07-24 13:09:48 : CSPF-
Computation failed for Secondary path ve171. Error 0:(Initializing)\\n 9 07-24 13:10:50 : CSPF-
Computation successful for Primary path ve101. Computed route:\\n -&gt;
16.16.16.2-&gt;36.36.36.1-&gt;34.34.34.2\\n&quot; &quot; 10 07-24 13:10:50 : CSPF-Computation
successful for Secondary path ve171. Computed route:\\n -&gt;51.51.51.1-&gt;
45.45.45.1\\n 11 07-24 13:10:50 : Secondary path ve171. RRO received:\\n -
&gt;51.51.51.1-&gt;45.45.45.1 \\n 12 07-24 13:10:50 : Secondary path ve171 setup successful .
Instance id 1\\n 13 07-24 13:10:50 : LSP tunnel is UP with Secondary path ve171 as Active\\n 14
07-24 13:10:50 : Tunnel added or updated, out-interface: Ve 171, out-label 2206\\n 15 07-24
13:10:50 : Primary path ve101. RRO received:\\n -&gt;16.16.16.2-&gt;36.36.36.1-
&gt;34.34.34.2 \\n 16 07-24 13:10:50 : Primary path ve101 setup successful . Instance id 1\\n 17
07-24 13:10:50 : LSP tunnel is UP with Primary path ve101 as Active\\n 18 07-24 13:10:50 : Tunnel
added or updated, out-interface: Ve 101, out-label 2217\\n&quot;</history>
  <basic y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/basic">
    <tunnel-vif-index>1162</tunnel-vif-index>
    <lsp-type-bypass>>false</lsp-type-bypass>
    <lsp-type-dynamic>>false</lsp-type-dynamic>
    <from-address-configured>>false</from-address-configured>
    <from-address>1.2.3.4</from-address>
    <to-address>4.4.3.2</to-address>
    <admin-up>>true</admin-up>
    <operational-status>operational-up</operational-status>
    <lsp-is-active>>true</lsp-is-active>
    <lsp-has-primary-path>>true</lsp-has-primary-path>
    <path-name>ve101</path-name>
    <out-label>2217</out-label>
    <out-interface-name>&quot;Ve 101&quot;</out-interface-name>
    <primary-up>>true</primary-up>
    <primary-active>>true</primary-active>
    <lsp-has-secondary>>true</lsp-has-secondary>
    <secondary-up>>true</secondary-up>
    <secondary-active>>false</secondary-active>
    <lsp-has-selected-secondary>>false</lsp-has-selected-secondary>
    <lsp-has-frr>>false</lsp-has-frr>
    <up-down-count>1</up-down-count>
    <retry-count>0</retry-count>
  </basic>
  <forwarding y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/forwarding">
    <tunnel-vif-index>1162</tunnel-vif-index>
    <lsp-id>317</lsp-id>
    <forwarding-up>>true</forwarding-up>
    <primary-active>>true</primary-active>
    <primary-up>>true</primary-up>
```

```

<secondary-active>>false</secondary-active>
<secondary-up>>true</secondary-up>
<instance-id>1</instance-id>
<out-port-id>1207959653</out-port-id>
<out-port-name>&quot;Ve 101&quot;</out-port-name>
<out-label>2217</out-label>
</forwarding>
<instances y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C317">
  <instance-id>1</instance-id>
  <lsp-id>317</lsp-id>
  <current-instance>true</current-instance>
  <new-instance>>false</new-instance>
  <old-instance>>false</old-instance>
  <is-primary>true</is-primary>
  <is-current-secondary>false</is-current-secondary>
  <is-selected-secondary>false</is-selected-secondary>
  <instance-admin-up>true</instance-admin-up>
  <instance-is-up>true</instance-is-up>
  <instance-is-active>true</instance-is-active>
  <is-adaptive>true</is-adaptive>
  <is-bypass>>false</is-bypass>
  <is-dynamic-bypass>>false</is-dynamic-bypass>
  <config-admin-up>true</config-admin-up>
  <config-from-address-configured>>false</config-from-address-configured>
  <config-from-address>1.2.3.4</config-from-address>
  <config-to-address>4.4.3.2</config-to-address>
  <config-type-bypass>>false</config-type-bypass>
  <config-type-dynamic>>false</config-type-dynamic>
  <config-adaptive>true</config-adaptive>
  <config-ospf-area>0.0.0.0</config-ospf-area>
  <config-isis-level>0</config-isis-level>
  <config-revert-time-configured>>false</config-revert-time-configured>
  <config-revert-time>0</config-revert-time>
  <config-retry-count>0</config-retry-count>
  <config-shortcut-ospf>>false</config-shortcut-ospf>
  <config-shortcut-area-configured>>false</config-shortcut-area-configured>
  <config-shortcut-area>0</config-shortcut-area>
  <config-notify-ospf>>false</config-notify-ospf>
  <config-shortcut-isis>>false</config-shortcut-isis>
  <config-isis-shortcut-level-configured>>false</config-isis-shortcut-level-configured>
  <config-isis-shortcut-level>0</config-isis-shortcut-level>
  <config-notify-isis>>false</config-notify-isis>
  <config-metric-configured>>false</config-metric-configured>
  <config-metric>0</config-metric>
  <config-ospf-ignore-metric>>false</config-ospf-ignore-metric>
  <config-ospf-relative-metric>0</config-ospf-relative-metric>
  <config-ospf-announce-metric>>false</config-ospf-announce-metric>
  <config-ospf-aaf>0</config-ospf-aaf>
  <config-isis-ignore-metric>>false</config-isis-ignore-metric>
  <config-isis-relative-metric>0</config-isis-relative-metric>
  <config-isis-announce-configured>>false</config-isis-announce-configured>
  <config-isis-announce-metric>0</config-isis-announce-metric>
  <config-path-configured>true</config-path-configured>
  <config-path>ve101</config-path>
  <config-reoptimize-timer-configured>>false</config-reoptimize-timer-configured>
  <config-reoptimize-time>0</config-reoptimize-time>
  <config-tspec-mtu-configured>>false</config-tspec-mtu-configured>
  <config-tspec-mtu>0</config-tspec-mtu>
  <config-cos-configured>>false</config-cos-configured>
  <config-cos>0</config-cos>
  <config-mtu-configured>>false</config-mtu-configured>
  <config-mtu>0</config-mtu>
  <config-tie-breaking-configured>>false</config-tie-breaking-configured>
  <config-tie-break-random>true</config-tie-break-random>
  <config-tie-break-least-fill>>false</config-tie-break-least-fill>
  <config-tie-break-most-fill>>false</config-tie-break-most-fill>
  <config-cspf-disabled>>false</config-cspf-disabled>
  <config-rro-disabled>>false</config-rro-disabled>
  <config-hot-standby>>false</config-hot-standby>
  <config-pinned>>false</config-pinned>
  <config-persistent>false</config-persistent>
  <config-frr-global-revertive>>false</config-frr-global-revertive>

```

```

<config-frr-hold-time>5</config-frr-hold-time>
<config-soft-preempt>>false</config-soft-preempt>
<config-exclude-interface-change>>false</config-exclude-interface-change>
<config-priority-configured>>false</config-priority-configured>
<config-setup-priority>7</config-setup-priority>
<config-holding-priority>0</config-holding-priority>
<config-hop-limit-configured>>false</config-hop-limit-configured>
<config-hop-limit>0</config-hop-limit>
<config-traffic-eng-rate-configured>>false</config-traffic-eng-rate-configured>
<config-traffic-eng-mean-rate>0</config-traffic-eng-mean-rate>
<config-traffic-eng-max-rate>0</config-traffic-eng-max-rate>
<config-traffic-eng-max-burst>0</config-traffic-eng-max-burst>
<config-abw-configured>>false</config-abw-configured>
<config-bfd-configured>>false</config-bfd-configured>
<config-admin-group-configured>>false</config-admin-group-configured>
<config-cspf-computation-mode>cspf-computation-mode-use-te-metric-global</config-cspf-computation-
mode>
<path-computed-by-cspf>>true</path-computed-by-cspf>
<path-computed-by-interface-constraint>>false</path-computed-by-interface-constraint>
<cspf-computation-mode>cspf-computation-mode-use-te-metric</cspf-computation-mode>
<cspf-group-computation-mode-default>>true</cspf-group-computation-mode-default>
<cspf-group-computation-mode-add-penalty>>false</cspf-group-computation-mode-add-penalty>
<cspf-group-computation-mode-exclude-groups>>false</cspf-group-computation-mode-exclude-groups>
<cspf-group-computation-mode-high-cost>>false</cspf-group-computation-mode-high-cost>
<cspf-path-cost>3</cspf-path-cost>
<cspf-path-area>0</cspf-path-area>
<cspf-computation-error>0</cspf-computation-error>
<cspf-exclude-hops-present>>false</cspf-exclude-hops-present>
<rsvp-session-present>>true</rsvp-session-present>
<rsvp-session-state-up>>true</rsvp-session-state-up>
<rsvp-session-state>2</rsvp-session-state>
<rsvp-session-path-error-code>0</rsvp-session-path-error-code>
<rsvp-session-path-error-value>0</rsvp-session-path-error-value>
<rsvp-session-path-error-node-address>0.0.0.0</rsvp-session-path-error-node-address>
<rsvp-session-rro-hops-present>>false</rsvp-session-rro-hops-present>
<config-frr-configured>>false</config-frr-configured>
<config-frr-one-to-one>>false</config-frr-one-to-one>
<config-frr-one-to-many>>false</config-frr-one-to-many>
<config-frr-priority-configured>>false</config-frr-priority-configured>
<config-frr-setup-priority>0</config-frr-setup-priority>
<config-frr-holding-priority>0</config-frr-holding-priority>
<config-frr-hop-limit-configured>>false</config-frr-hop-limit-configured>
<config-frr-hop-limit>0</config-frr-hop-limit>
<config-frr-bandwidth-configured>>false</config-frr-bandwidth-configured>
<config-frr-bandwidth>0</config-frr-bandwidth>
<config-frr-admin-group-configured>>false</config-frr-admin-group-configured>
<reoptimize-ignore-count>0</reoptimize-ignore-count>
<instance-frr-configured>0</instance-frr-configured>
<instance-out-port-id>1207959653</instance-out-port-id>
<instance-out-port-name>&quot;Ve 101&quot;</instance-out-port-name>
<instance-out-label>2217</instance-out-label>
<instance-revert-time>0</instance-revert-time>
<instance-retry-count>0</instance-retry-count>
<instance-up-down-count>1</instance-up-down-count>
<instance-metric>0</instance-metric>
<cspf-path-hops y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C317/cspf-
path-hops/1%2C16.16.16.2">
  <hop-index>1</hop-index>
  <hop-address>16.16.16.2</hop-address>
  <type>strict</type>
</cspf-path-hops>
<rsvp-session-rro-hops y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C317/
rsvp-session-rro-hops/1%2C16.16.16.2">
  <hop-index>1</hop-index>
  <hop-address>16.16.16.2</hop-address>
</rsvp-session-rro-hops>
<rsvp-session-rro-hops y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C317/
rsvp-session-rro-hops/1%2C36.36.36.1">
  <hop-index>1</hop-index>
  <hop-address>36.36.36.1</hop-address>
</rsvp-session-rro-hops>
<rsvp-session-rro-hops y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C317/

```

```

rsvp-session-rro-hops/1%2C34.34.34.2">
  <hop-index>1</hop-index>
  <hop-address>34.34.34.2</hop-address>
</rsvp-session-rro-hops>
</instances>
<instances y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C318">
  <instance-id>1</instance-id>
  <lsp-id>318</lsp-id>
  <current-instance>true</current-instance>
  <new-instance>false</new-instance>
  <old-instance>false</old-instance>
  <is-primary>false</is-primary>
  <is-current-secondary>true</is-current-secondary>
  <is-selected-secondary>false</is-selected-secondary>
  <instance-admin-up>true</instance-admin-up>
  <instance-is-up>true</instance-is-up>
  <instance-is-active>false</instance-is-active>
  <is-adaptive>true</is-adaptive>
  <is-bypass>false</is-bypass>
  <is-dynamic-bypass>false</is-dynamic-bypass>
  <config-admin-up>true</config-admin-up>
  <config-from-address-configured>false</config-from-address-configured>
  <config-from-address>1.2.3.4</config-from-address>
  <config-to-address>4.4.3.2</config-to-address>
  <config-type-bypass>false</config-type-bypass>
  <config-type-dynamic>false</config-type-dynamic>
  <config-adaptive>true</config-adaptive>
  <config-ospf-area>0.0.0.0</config-ospf-area>
  <config-isis-level>0</config-isis-level>
  <config-revert-time-configured>false</config-revert-time-configured>
  <config-revert-time>0</config-revert-time>
  <config-retry-count>0</config-retry-count>
  <config-shortcut-ospf>false</config-shortcut-ospf>
  <config-shortcut-area-configured>false</config-shortcut-area-configured>
  <config-shortcut-area>0</config-shortcut-area>
  <config-notify-ospf>false</config-notify-ospf>
  <config-shortcut-isis>false</config-shortcut-isis>
  <config-isis-shortcut-level-configured>false</config-isis-shortcut-level-configured>
  <config-isis-shortcut-level>0</config-isis-shortcut-level>
  <config-notify-isis>false</config-notify-isis>
  <config-metric-configured>false</config-metric-configured>
  <config-metric>0</config-metric>
  <config-ospf-ignore-metric>false</config-ospf-ignore-metric>
  <config-ospf-relative-metric>0</config-ospf-relative-metric>
  <config-ospf-announce-metric>false</config-ospf-announce-metric>
  <config-ospf-aaf>0</config-ospf-aaf>
  <config-isis-ignore-metric>false</config-isis-ignore-metric>
  <config-isis-relative-metric>0</config-isis-relative-metric>
  <config-isis-announce-configured>false</config-isis-announce-configured>
  <config-isis-announce-metric>0</config-isis-announce-metric>
  <config-path-configured>true</config-path-configured>
  <config-path>ve171</config-path>
  <config-reoptimize-timer-configured>false</config-reoptimize-timer-configured>
  <config-reoptimize-time>0</config-reoptimize-time>
  <config-tspec-mtu-configured>false</config-tspec-mtu-configured>
  <config-tspec-mtu>0</config-tspec-mtu>
  <config-cos-configured>false</config-cos-configured>
  <config-cos>0</config-cos>
  <config-mtu-configured>false</config-mtu-configured>
  <config-mtu>0</config-mtu>
  <config-tie-breaking-configured>false</config-tie-breaking-configured>
  <config-tie-break-random>true</config-tie-break-random>
  <config-tie-break-least-fill>false</config-tie-break-least-fill>
  <config-tie-break-most-fill>false</config-tie-break-most-fill>
  <config-cspf-disabled>false</config-cspf-disabled>
  <config-rro-disabled>false</config-rro-disabled>
  <config-hot-standby>true</config-hot-standby>
  <config-pinned>false</config-pinned>
  <config-persistent>false</config-persistent>
  <config-frr-global-revertive>false</config-frr-global-revertive>
  <config-frr-hold-time>0</config-frr-hold-time>
  <config-soft-preempt>false</config-soft-preempt>

```



```

<config-exclude-interface-change>>false</config-exclude-interface-change>
<config-priority-configured>>false</config-priority-configured>
<config-setup-priority>7</config-setup-priority>
<config-holding-priority>0</config-holding-priority>
<config-hop-limit-configured>>false</config-hop-limit-configured>
<config-hop-limit>0</config-hop-limit>
<config-traffic-eng-rate-configured>>false</config-traffic-eng-rate-configured>
<config-traffic-eng-mean-rate>0</config-traffic-eng-mean-rate>
<config-traffic-eng-max-rate>0</config-traffic-eng-max-rate>
<config-traffic-eng-max-burst>0</config-traffic-eng-max-burst>
<config-abw-configured>>false</config-abw-configured>
<config-bfd-configured>>false</config-bfd-configured>
<config-admin-group-configured>>false</config-admin-group-configured>
mode>
<config-cspf-computation-mode>cspf-computation-mode-use-te-metric-global</config-cspf-computation-
mode>
<path-computed-by-cspf>>true</path-computed-by-cspf>
<path-computed-by-interface-constraint>>false</path-computed-by-interface-constraint>
<cspf-computation-mode>cspf-computation-mode-use-te-metric</cspf-computation-mode>
<cspf-group-computation-mode-default>>true</cspf-group-computation-mode-default>
<cspf-group-computation-mode-add-penalty>>false</cspf-group-computation-mode-add-penalty>
<cspf-group-computation-mode-exclude-groups>>false</cspf-group-computation-mode-exclude-groups>
<cspf-group-computation-mode-high-cost>>false</cspf-group-computation-mode-high-cost>
<cspf-path-cost>2</cspf-path-cost>
<cspf-path-area>0</cspf-path-area>
<cspf-computation-error>0</cspf-computation-error>
<cspf-exclude-hops-present>>false</cspf-exclude-hops-present>
<rsvp-session-present>>true</rsvp-session-present>
<rsvp-session-state-up>>true</rsvp-session-state-up>
<rsvp-session-state>2</rsvp-session-state>
<rsvp-session-path-error-code>0</rsvp-session-path-error-code>
<rsvp-session-path-error-value>0</rsvp-session-path-error-value>
<rsvp-session-path-error-node-address>0.0.0</rsvp-session-path-error-node-address>
<rsvp-session-rro-hops-present>>false</rsvp-session-rro-hops-present>
<config-frr-configured>>false</config-frr-configured>
<config-frr-one-to-one>>false</config-frr-one-to-one>
<config-frr-one-to-many>>false</config-frr-one-to-many>
<config-frr-priority-configured>>false</config-frr-priority-configured>
<config-frr-setup-priority>0</config-frr-setup-priority>
<config-frr-holding-priority>0</config-frr-holding-priority>
<config-frr-hop-limit-configured>>false</config-frr-hop-limit-configured>
<config-frr-hop-limit>0</config-frr-hop-limit>
<config-frr-bandwidth-configured>>false</config-frr-bandwidth-configured>
<config-frr-bandwidth>0</config-frr-bandwidth>
<config-frr-admin-group-configured>>false</config-frr-admin-group-configured>
<reoptimize-ignore-count>0</reoptimize-ignore-count>
<instance-frr-configured>0</instance-frr-configured>
<instance-out-port-id>1207959723</instance-out-port-id>
<instance-out-port-name>&quot;Ve 171&quot;</instance-out-port-name>
<instance-out-label>2206</instance-out-label>
<instance-revert-time>0</instance-revert-time>
<instance-retry-count>0</instance-retry-count>
<instance-up-down-count>0</instance-up-down-count>
<instance-metric>0</instance-metric>
<cspf-path-hops y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C318/cspf-
path-hops/1%2C51.51.51.1">
  <hop-index>1</hop-index>
  <hop-address>51.51.51.1</hop-address>
  <type>strict</type>
</cspf-path-hops>
<rsvp-session-rro-hops y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C318/
rsvp-session-rro-hops/1%2C51.51.51.1">
  <hop-index>1</hop-index>
  <hop-address>51.51.51.1</hop-address>
</rsvp-session-rro-hops>
<rsvp-session-rro-hops y:self="/rest/operational-state/mpls-state/lsp/tor4_1140/instances/1%2C318/
rsvp-session-rro-hops/1%2C45.45.45.1">
  <hop-index>1</hop-index>
  <hop-address>45.45.45.1</hop-address>
</rsvp-session-rro-hops>
</instances>
</lsp>

```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/memory

Displays the MPLS memory information.

Resource URIs

URI	Description
<base_URI>/rest/operational-state/mpls-state/memory	Displays the MPLS memory information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/memory

Request Body

None

Response Body

```
<memory xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/memory">
  <total-non-pool-memory>25786932</total-non-pool-memory>
  <pools y:self="/rest/operational-state/mpls-state/memory/pools/0">
    <pool-index>0</pool-index>
    <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/0/sub-pools/0">
      <sub-pool-index>0</sub-pool-index>
      <gen-size>16260</gen-size>
      <block-size>140</block-size>
      <gen-blocks>116</gen-blocks>
      <current-gens>1</current-gens>
      <current-blocks>116</current-blocks>
      <free-blocks>107</free-blocks>
    </sub-pools>
    <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/0/sub-pools/1">
      <sub-pool-index>1</sub-pool-index>
      <gen-size>16220</gen-size>
      <block-size>180</block-size>
      <gen-blocks>90</gen-blocks>
      <current-gens>1</current-gens>
      <current-blocks>90</current-blocks>
      <free-blocks>90</free-blocks>
    </sub-pools>
    <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/0/sub-pools/2">
      <sub-pool-index>2</sub-pool-index>
      <gen-size>16304</gen-size>
      <block-size>276</block-size>
      <gen-blocks>59</gen-blocks>
      <current-gens>2</current-gens>
      <current-blocks>118</current-blocks>
      <free-blocks>107</free-blocks>
    </sub-pools>
    <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/0/sub-pools/3">
      <sub-pool-index>3</sub-pool-index>
      <gen-size>15608</gen-size>
      <block-size>1732</block-size>
      <gen-blocks>9</gen-blocks>
      <current-gens>225</current-gens>
      <current-blocks>2025</current-blocks>
      <free-blocks>17</free-blocks>
    </sub-pools>
    <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/0/sub-pools/4">
      <sub-pool-index>4</sub-pool-index>
      <gen-size>15932</gen-size>
      <block-size>2652</block-size>
      <gen-blocks>6</gen-blocks>
      <current-gens>1</current-gens>
      <current-blocks>6</current-blocks>
      <free-blocks>6</free-blocks>
    </sub-pools>
    <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/0/sub-pools/5">
      <sub-pool-index>5</sub-pool-index>
      <gen-size>31988</gen-size>
```

```

    <block-size>3996</block-size>
    <gen-blocks>8</gen-blocks>
    <current-gens>1</current-gens>
    <current-blocks>8</current-blocks>
    <free-blocks>8</free-blocks>
  </sub-pools>
</pools>
<pools y:self="/rest/operational-state/mpls-state/memory/pools/1">
  <pool-index>1</pool-index>
  <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/0">
    <sub-pool-index>0</sub-pool-index>
    <gen-size>131024</gen-size>
    <block-size>12</block-size>
    <gen-blocks>10917</gen-blocks>
    <current-gens>4</current-gens>
    <current-blocks>43668</current-blocks>
    <free-blocks>11400</free-blocks>
  </sub-pools>
  <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/1">
    <sub-pool-index>1</sub-pool-index>
    <gen-size>65480</gen-size>
    <block-size>20</block-size>
    <gen-blocks>3273</gen-blocks>
    <current-gens>19</current-gens>
    <current-blocks>62187</current-blocks>
    <free-blocks>21897</free-blocks>
  </sub-pools>
  <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/2">
    <sub-pool-index>2</sub-pool-index>
    <gen-size>131032</gen-size>
    <block-size>28</block-size>
    <gen-blocks>4679</gen-blocks>
    <current-gens>10</current-gens>
    <current-blocks>46790</current-blocks>
    <free-blocks>17777</free-blocks>
  </sub-pools>
  <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/3">
    <sub-pool-index>3</sub-pool-index>
    <gen-size>32708</gen-size>
    <block-size>36</block-size>
    <gen-blocks>908</gen-blocks>
    <current-gens>14</current-gens>
    <current-blocks>12712</current-blocks>
    <free-blocks>4688</free-blocks>
  </sub-pools>
  <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/4">
    <sub-pool-index>4</sub-pool-index>
    <gen-size>131008</gen-size>
    <block-size>44</block-size>
    <gen-blocks>2977</gen-blocks>
    <current-gens>23</current-gens>
    <current-blocks>68471</current-blocks>
    <free-blocks>26181</free-blocks>
  </sub-pools>
  <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/5">
    <sub-pool-index>5</sub-pool-index>
    <gen-size>131008</gen-size>
    <block-size>52</block-size>
    <gen-blocks>2519</gen-blocks>
    <current-gens>15</current-gens>
    <current-blocks>37785</current-blocks>
    <free-blocks>15754</free-blocks>
  </sub-pools>
  <sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/6">
    <sub-pool-index>6</sub-pool-index>
    <gen-size>131000</gen-size>
    <block-size>60</block-size>
    <gen-blocks>2183</gen-blocks>
    <current-gens>8</current-gens>
    <current-blocks>17464</current-blocks>
    <free-blocks>1939</free-blocks>
  </sub-pools>
</pools>

```

```

<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/7">
  <sub-pool-index>7</sub-pool-index>
  <gen-size>130988</gen-size>
  <block-size>68</block-size>
  <gen-blocks>1926</gen-blocks>
  <current-gens>2</current-gens>
  <current-blocks>3852</current-blocks>
  <free-blocks>291</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/8">
  <sub-pool-index>8</sub-pool-index>
  <gen-size>65456</gen-size>
  <block-size>76</block-size>
  <gen-blocks>861</gen-blocks>
  <current-gens>24</current-gens>
  <current-blocks>20664</current-blocks>
  <free-blocks>8409</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/9">
  <sub-pool-index>9</sub-pool-index>
  <gen-size>131028</gen-size>
  <block-size>92</block-size>
  <gen-blocks>1424</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>1424</current-blocks>
  <free-blocks>1351</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/10">
  <sub-pool-index>10</sub-pool-index>
  <gen-size>65420</gen-size>
  <block-size>100</block-size>
  <gen-blocks>654</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>654</current-blocks>
  <free-blocks>653</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/11">
  <sub-pool-index>11</sub-pool-index>
  <gen-size>131024</gen-size>
  <block-size>108</block-size>
  <gen-blocks>1213</gen-blocks>
  <current-gens>15</current-gens>
  <current-blocks>18195</current-blocks>
  <free-blocks>8195</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/12">
  <sub-pool-index>12</sub-pool-index>
  <gen-size>130984</gen-size>
  <block-size>116</block-size>
  <gen-blocks>1129</gen-blocks>
  <current-gens>11</current-gens>
  <current-blocks>12419</current-blocks>
  <free-blocks>4337</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/13">
  <sub-pool-index>13</sub-pool-index>
  <gen-size>130964</gen-size>
  <block-size>124</block-size>
  <gen-blocks>1056</gen-blocks>
  <current-gens>19</current-gens>
  <current-blocks>20064</current-blocks>
  <free-blocks>10064</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/14">
  <sub-pool-index>14</sub-pool-index>
  <gen-size>130964</gen-size>
  <block-size>132</block-size>
  <gen-blocks>992</gen-blocks>
  <current-gens>26</current-gens>
  <current-blocks>25792</current-blocks>
  <free-blocks>9788</free-blocks>
</sub-pools>

```

```

<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/15">
  <sub-pool-index>15</sub-pool-index>
  <gen-size>131000</gen-size>
  <block-size>148</block-size>
  <gen-blocks>885</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>885</current-blocks>
  <free-blocks>514</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/16">
  <sub-pool-index>16</sub-pool-index>
  <gen-size>65384</gen-size>
  <block-size>156</block-size>
  <gen-blocks>419</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>419</current-blocks>
  <free-blocks>390</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/17">
  <sub-pool-index>17</sub-pool-index>
  <gen-size>130892</gen-size>
  <block-size>164</block-size>
  <gen-blocks>798</gen-blocks>
  <current-gens>2</current-gens>
  <current-blocks>1596</current-blocks>
  <free-blocks>593</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/18">
  <sub-pool-index>18</sub-pool-index>
  <gen-size>130880</gen-size>
  <block-size>180</block-size>
  <gen-blocks>727</gen-blocks>
  <current-gens>12</current-gens>
  <current-blocks>8724</current-blocks>
  <free-blocks>3470</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/19">
  <sub-pool-index>19</sub-pool-index>
  <gen-size>65444</gen-size>
  <block-size>188</block-size>
  <gen-blocks>348</gen-blocks>
  <current-gens>23</current-gens>
  <current-blocks>8004</current-blocks>
  <free-blocks>3975</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/20">
  <sub-pool-index>20</sub-pool-index>
  <gen-size>130948</gen-size>
  <block-size>196</block-size>
  <gen-blocks>668</gen-blocks>
  <current-gens>6</current-gens>
  <current-blocks>4008</current-blocks>
  <free-blocks>8</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/21">
  <sub-pool-index>21</sub-pool-index>
  <gen-size>65300</gen-size>
  <block-size>204</block-size>
  <gen-blocks>320</gen-blocks>
  <current-gens>14</current-gens>
  <current-blocks>4480</current-blocks>
  <free-blocks>230</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/22">
  <sub-pool-index>22</sub-pool-index>
  <gen-size>16344</gen-size>
  <block-size>212</block-size>
  <gen-blocks>77</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>77</current-blocks>
  <free-blocks>75</free-blocks>
</sub-pools>

```

```

<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/23">
  <sub-pool-index>23</sub-pool-index>
  <gen-size>131000</gen-size>
  <block-size>236</block-size>
  <gen-blocks>555</gen-blocks>
  <current-gens>32</current-gens>
  <current-blocks>17760</current-blocks>
  <free-blocks>7743</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/24">
  <sub-pool-index>24</sub-pool-index>
  <gen-size>65288</gen-size>
  <block-size>252</block-size>
  <gen-blocks>259</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>259</current-blocks>
  <free-blocks>258</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/25">
  <sub-pool-index>25</sub-pool-index>
  <gen-size>32520</gen-size>
  <block-size>260</block-size>
  <gen-blocks>125</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>125</current-blocks>
  <free-blocks>121</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/26">
  <sub-pool-index>26</sub-pool-index>
  <gen-size>32716</gen-size>
  <block-size>268</block-size>
  <gen-blocks>122</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>122</current-blocks>
  <free-blocks>121</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/27">
  <sub-pool-index>27</sub-pool-index>
  <gen-size>130944</gen-size>
  <block-size>284</block-size>
  <gen-blocks>461</gen-blocks>
  <current-gens>18</current-gens>
  <current-blocks>8298</current-blocks>
  <free-blocks>3044</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/28">
  <sub-pool-index>28</sub-pool-index>
  <gen-size>130836</gen-size>
  <block-size>292</block-size>
  <gen-blocks>448</gen-blocks>
  <current-gens>10</current-gens>
  <current-blocks>4480</current-blocks>
  <free-blocks>176</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/29">
  <sub-pool-index>29</sub-pool-index>
  <gen-size>130916</gen-size>
  <block-size>324</block-size>
  <gen-blocks>404</gen-blocks>
  <current-gens>30</current-gens>
  <current-blocks>12120</current-blocks>
  <free-blocks>4110</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/30">
  <sub-pool-index>30</sub-pool-index>
  <gen-size>65300</gen-size>
  <block-size>340</block-size>
  <gen-blocks>192</gen-blocks>
  <current-gens>52</current-gens>
  <current-blocks>9984</current-blocks>
  <free-blocks>3976</free-blocks>
</sub-pools>

```



```

<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/31">
  <sub-pool-index>31</sub-pool-index>
  <gen-size>130700</gen-size>
  <block-size>396</block-size>
  <gen-blocks>330</gen-blocks>
  <current-gens>55</current-gens>
  <current-blocks>18150</current-blocks>
  <free-blocks>7859</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/32">
  <sub-pool-index>32</sub-pool-index>
  <gen-size>130648</gen-size>
  <block-size>452</block-size>
  <gen-blocks>289</gen-blocks>
  <current-gens>15</current-gens>
  <current-blocks>4335</current-blocks>
  <free-blocks>26</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/33">
  <sub-pool-index>33</sub-pool-index>
  <gen-size>65360</gen-size>
  <block-size>484</block-size>
  <gen-blocks>135</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>135</current-blocks>
  <free-blocks>133</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/34">
  <sub-pool-index>34</sub-pool-index>
  <gen-size>65444</gen-size>
  <block-size>564</block-size>
  <gen-blocks>116</gen-blocks>
  <current-gens>85</current-gens>
  <current-blocks>9860</current-blocks>
  <free-blocks>3855</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/35">
  <sub-pool-index>35</sub-pool-index>
  <gen-size>32500</gen-size>
  <block-size>580</block-size>
  <gen-blocks>56</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>56</current-blocks>
  <free-blocks>52</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/36">
  <sub-pool-index>36</sub-pool-index>
  <gen-size>130920</gen-size>
  <block-size>700</block-size>
  <gen-blocks>187</gen-blocks>
  <current-gens>44</current-gens>
  <current-blocks>8228</current-blocks>
  <free-blocks>3971</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/37">
  <sub-pool-index>37</sub-pool-index>
  <gen-size>65180</gen-size>
  <block-size>724</block-size>
  <gen-blocks>90</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>90</current-blocks>
  <free-blocks>90</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/38">
  <sub-pool-index>38</sub-pool-index>
  <gen-size>65096</gen-size>
  <block-size>748</block-size>
  <gen-blocks>87</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>87</current-blocks>
  <free-blocks>85</free-blocks>
</sub-pools>

```

```

<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/39">
  <sub-pool-index>39</sub-pool-index>
  <gen-size>130828</gen-size>
  <block-size>788</block-size>
  <gen-blocks>166</gen-blocks>
  <current-gens>49</current-gens>
  <current-blocks>8134</current-blocks>
  <free-blocks>2881</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/40">
  <sub-pool-index>40</sub-pool-index>
  <gen-size>32312</gen-size>
  <block-size>828</block-size>
  <gen-blocks>39</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>39</current-blocks>
  <free-blocks>37</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/41">
  <sub-pool-index>41</sub-pool-index>
  <gen-size>64844</gen-size>
  <block-size>876</block-size>
  <gen-blocks>74</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>74</current-blocks>
  <free-blocks>73</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/42">
  <sub-pool-index>42</sub-pool-index>
  <gen-size>64760</gen-size>
  <block-size>996</block-size>
  <gen-blocks>65</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>65</current-blocks>
  <free-blocks>64</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/43">
  <sub-pool-index>43</sub-pool-index>
  <gen-size>65300</gen-size>
  <block-size>1020</block-size>
  <gen-blocks>64</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>64</current-blocks>
  <free-blocks>64</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/44">
  <sub-pool-index>44</sub-pool-index>
  <gen-size>130556</gen-size>
  <block-size>1036</block-size>
  <gen-blocks>126</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>126</current-blocks>
  <free-blocks>123</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/45">
  <sub-pool-index>45</sub-pool-index>
  <gen-size>130520</gen-size>
  <block-size>1044</block-size>
  <gen-blocks>125</gen-blocks>
  <current-gens>63</current-gens>
  <current-blocks>7875</current-blocks>
  <free-blocks>3875</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/46">
  <sub-pool-index>46</sub-pool-index>
  <gen-size>65204</gen-size>
  <block-size>1164</block-size>
  <gen-blocks>56</gen-blocks>
  <current-gens>1</current-gens>
  <current-blocks>56</current-blocks>
  <free-blocks>14</free-blocks>
</sub-pools>

```

```

<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/47">
  <sub-pool-index>47</sub-pool-index>
  <gen-size>130640</gen-size>
  <block-size>1244</block-size>
  <gen-blocks>105</gen-blocks>
  <current-gens>173</current-gens>
  <current-blocks>18165</current-blocks>
  <free-blocks>6656</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/48">
  <sub-pool-index>48</sub-pool-index>
  <gen-size>130304</gen-size>
  <block-size>1316</block-size>
  <gen-blocks>99</gen-blocks>
  <current-gens>41</current-gens>
  <current-blocks>4059</current-blocks>
  <free-blocks>2</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/49">
  <sub-pool-index>49</sub-pool-index>
  <gen-size>64280</gen-size>
  <block-size>1836</block-size>
  <gen-blocks>35</gen-blocks>
  <current-gens>314</current-gens>
  <current-blocks>10990</current-blocks>
  <free-blocks>3754</free-blocks>
</sub-pools>
<sub-pools y:self="/rest/operational-state/mpls-state/memory/pools/1/sub-pools/50">
  <sub-pool-index>50</sub-pool-index>
  <gen-size>130568</gen-size>
  <block-size>3036</block-size>
  <gen-blocks>43</gen-blocks>
  <current-gens>275</current-gens>
  <current-blocks>11825</current-blocks>
  <free-blocks>3818</free-blocks>
</sub-pools>
</pools>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/0">
  <mem-stats-index>0</mem-stats-index>
  <mem-type>Misc</mem-type>
  <num-alloc>7007</num-alloc>
  <total-bytes>622528</total-bytes>
  <total-allocs>61577</total-allocs>
  <total-frees>54570</total-frees>
  <peak-alloc>11791</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/1">
  <mem-stats-index>1</mem-stats-index>
  <mem-type>BFD-Sess</mem-type>
  <num-alloc>0</num-alloc>
  <total-bytes>0</total-bytes>
  <total-allocs>0</total-allocs>
  <total-frees>0</total-frees>
  <peak-alloc>0</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/2">
  <mem-stats-index>2</mem-stats-index>
  <mem-type>BFD-Peer</mem-type>
  <num-alloc>0</num-alloc>
  <total-bytes>0</total-bytes>
  <total-allocs>0</total-allocs>
  <total-frees>0</total-frees>
  <peak-alloc>0</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/3">
  <mem-stats-index>3</mem-stats-index>

```

```

    <mem-type>BFD-Egr-Sess</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/4">
    <mem-stats-index>4</mem-stats-index>
    <mem-type>TE-LSA-Id</mem-type>
    <num-alloc>147</num-alloc>
    <total-bytes>12348</total-bytes>
    <total-allocs>469</total-allocs>
    <total-frees>322</total-frees>
    <peak-alloc>149</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/5">
    <mem-stats-index>5</mem-stats-index>
    <mem-type>TE-Node</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/6">
    <mem-stats-index>6</mem-stats-index>
    <mem-type>CSPF-RESOLVE</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/7">
    <mem-stats-index>7</mem-stats-index>
    <mem-type>CSPF-UNRESOLV</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/8">
    <mem-stats-index>8</mem-stats-index>
    <mem-type>Sess-Disp-Param</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/9">
    <mem-stats-index>9</mem-stats-index>
    <mem-type>Disp-Param</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>

```

```

    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/10">
  <mem-stats-index>10</mem-stats-index>
  <mem-type>Disp-Buf</mem-type>
  <num-alloc>0</num-alloc>
  <total-bytes>0</total-bytes>
  <total-allocs>0</total-allocs>
  <total-frees>0</total-frees>
  <peak-alloc>0</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/11">
  <mem-stats-index>11</mem-stats-index>
  <mem-type>Path</mem-type>
  <num-alloc>4</num-alloc>
  <total-bytes>608</total-bytes>
  <total-allocs>4</total-allocs>
  <total-frees>0</total-frees>
  <peak-alloc>4</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/12">
  <mem-stats-index>12</mem-stats-index>
  <mem-type>Sec-Path</mem-type>
  <num-alloc>2000</num-alloc>
  <total-bytes>584000</total-bytes>
  <total-allocs>3900</total-allocs>
  <total-frees>1900</total-frees>
  <peak-alloc>3900</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/13">
  <mem-stats-index>13</mem-stats-index>
  <mem-type>LSP</mem-type>
  <num-alloc>5003</num-alloc>
  <total-bytes>6523912</total-bytes>
  <total-allocs>22056</total-allocs>
  <total-frees>17053</total-frees>
  <peak-alloc>7800</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/14">
  <mem-stats-index>14</mem-stats-index>
  <mem-type>CSPF-Route</mem-type>
  <num-alloc>0</num-alloc>
  <total-bytes>0</total-bytes>
  <total-allocs>46004</total-allocs>
  <total-frees>46004</total-frees>
  <peak-alloc>1</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/15">
  <mem-stats-index>15</mem-stats-index>
  <mem-type>Link-List</mem-type>
  <num-alloc>0</num-alloc>
  <total-bytes>0</total-bytes>
  <total-allocs>0</total-allocs>
  <total-frees>0</total-frees>
  <peak-alloc>0</peak-alloc>
  <alloc-fails>0</alloc-fails>
  <free-fails>0</free-fails>
</stats>
<stats y:self="/rest/operational-state/mpls-state/memory/stats/16">
  <mem-stats-index>16</mem-stats-index>
  <mem-type>Ingr-LSP</mem-type>

```

```

    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/17">
    <mem-stats-index>17</mem-stats-index>
    <mem-type>Bkup-Trans-LSP</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/18">
    <mem-stats-index>18</mem-stats-index>
    <mem-type>Bkup-Trans-LSP</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/19">
    <mem-stats-index>19</mem-stats-index>
    <mem-type>Reset-LSP-Ctxt</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/20">
    <mem-stats-index>20</mem-stats-index>
    <mem-type>Dbg-Cntr</mem-type>
    <num-alloc>407</num-alloc>
    <total-bytes>34188</total-bytes>
    <total-allocs>407</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>407</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/21">
    <mem-stats-index>21</mem-stats-index>
    <mem-type>Perf</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>
    <free-fails>0</free-fails>
  </stats>
  <stats y:self="/rest/operational-state/mpls-state/memory/stats/22">
    <mem-stats-index>22</mem-stats-index>
    <mem-type>Dbg-Match</mem-type>
    <num-alloc>0</num-alloc>
    <total-bytes>0</total-bytes>
    <total-allocs>0</total-allocs>
    <total-frees>0</total-frees>
    <peak-alloc>0</peak-alloc>
    <alloc-fails>0</alloc-fails>

```

```
<free-fails>0</free-fails>  
</stats>  
</memory>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/path

Displays RSVP path information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/path	Displays LDP Path information.
<base_URI>/operational-state/mpls-state/path/{path-name_val}	Displays LSP path information details.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/path

Request Body

None

Response Body

```
<path xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/path/admin">
  <path-name>vishal</path-name>
  <usage-count>0</usage-count>
  <path-hops y:self="/rest/operational-state/mpls-state/path/vishal/path-hops/6.6.6.6">
    <hop-address>6.6.6.6</hop-address>
    <hop-type>1</hop-type>
  </path-hops>
  <path-hops y:self="/rest/operational-state/mpls-state/path/vishal/path-hops/3.3.3.3">
    <hop-address>3.3.3.3</hop-address>
    <hop-type>1</hop-type>
  </path-hops>
</path>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/policy

Displays the MPLS policy.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/policy	Displays the MPLS policy.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/policy

Request Body

None

Response Body

```
<policy xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/policy">
  <cspf-intf>0</cspf-intf>
  <cspf-group-computation-mode>mpls-cspf-grp-comp-mode-default</cspf-group-computation-mode>
  <cspf-comp-mode>0</cspf-comp-mode>
  <cspf-comp-ignore-overload-bit>0</cspf-comp-ignore-overload-bit>
  <propagate-ttl>1</propagate-ttl>
  <label-propagate-ttl>0</label-propagate-ttl>
  <vrf-propagate-ttl>0</vrf-propagate-ttl>
  <rtm-route-filter-enabled>true</rtm-route-filter-enabled>
  <rtm-route-filter-all-ibgp-enabled>false</rtm-route-filter-all-ibgp-enabled>
  <ingress-tnnl-actg>0</ingress-tnnl-actg>
  <transit-session-actg>0</transit-session-actg>
  <load-interval>300</load-interval>
  <te-policy-protocol>mpls-te-ospf</te-policy-protocol>
  <te-policy-flags>0</te-policy-flags>
  <te-policy-area>0</te-policy-area>
  <handle-isis-nbr-down>0</handle-isis-nbr-down>
  <handle-ospf-nbr-down>0</handle-ospf-nbr-down>
  <fast-retry-on>1</fast-retry-on>
  <lsp-retry-interval>30</lsp-retry-interval>
  <frr-backup-retry-interval>30</frr-backup-retry-interval>
  <auto-bandwidth-enabled>0</auto-bandwidth-enabled>
  <autobw-sample-interval>300</autobw-sample-interval>
  <autobw-num-sample-record>1500</autobw-num-sample-record>
  <soft-preempt-cleanup-timer>30</soft-preempt-cleanup-timer>
  <rsvp-periodic-flooding-timer>180</rsvp-periodic-flooding-timer>
  <admin-groups y:self="/rest/operational-state/mpls-state/policy/admin-groups/ad2">
    <name>ad2</name>
    <group-number>2</group-number>
  </admin-groups>
  <rsvp-flooding-thresholds y:self="/rest/operational-state/mpls-state/policy/rsvp-flooding-thresholds/
threshold_default_up">
    <threshold-type>threshold_default_up</threshold-type>
    <flooding-thresholds>15 30 45 60 75 80 85 90 95 96 97 98 99 100</flooding-thresholds>
  </rsvp-flooding-thresholds>
  <rsvp-flooding-thresholds y:self="/rest/operational-state/mpls-state/policy/rsvp-flooding-thresholds/
threshold_default_down">
    <threshold-type>threshold_default_down</threshold-type>
    <flooding-thresholds>15 30 45 60 75 80 85 90 95 96 97 98 99</flooding-thresholds>
  </rsvp-flooding-thresholds>
</policy>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/policy/admin-groups

Displays the MPLS admin group entry

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/policy/admin-groups	Displays the MPLS admin group entry.

Usage Guidelines

Only GET operation is supported. .

Examples

URI

http://host:80/rest/operational-state/mpls-state/policy/admin-groups

Request Body

None

Response Body

```
<admin-groups xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/policy/admin-groups/ad2">
  <name>ad2</name>
  <group-number>2</group-number>
</admin-groups>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/route

Displays routes installed by MPLS.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/route	Displays routes installed by MPLS.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/route

Request Body

None

Response Body

```
<route xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/route/514">
  <entry-index>514</entry-index>
  <outseg-index>1</outseg-index>
  <dest-ip-prefix>4.4.3.2/32</dest-ip-prefix>
  <gateway-ip-addr>4.4.3.2</gateway-ip-addr>
  <out-interface-name>"Ve 101"</out-interface-name>
  <out-label>2832</out-label>
  <protocol>mpls-protocol-rsvp</protocol>
  <vif-index>176</vif-index>
  <metric>0</metric>
  <use-count>0</use-count>
</route>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/rsvp

Displays the MPLS RSVP operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/rsvp	Displays the MPLS RSVP operational information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/rsvp

Request Body

None

Response Body

```
<rsvp xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/rsvp">
  <protocol-status>true</protocol-status>
  <refresh-interval>30</refresh-interval>
  <refresh-multiple>3</refresh-multiple>
  <transport-address>1.2.3.4</transport-address>
  <delay-resv-sending>false</delay-resv-sending>
  <backup-bandwidth-requirement>false</backup-bandwidth-requirement>
  <msgid-epoch>128 238 149</msgid-epoch>
  <statistics y:self="/rest/operational-state/mpls-state/rsvp/statistics">
    <packet-error-counters y:self="/rest/operational-state/mpls-state/rsvp/statistics/packet-error-
counters">
      <rx-pkt-bad-length>0</rx-pkt-bad-length>
      <rx-pkt-unknown-type>0</rx-pkt-unknown-type>
      <rx-pkt-bad-version>0</rx-pkt-bad-version>
      <rx-pkt-bad-checksum>0</rx-pkt-bad-checksum>
      <mem-alloc-fail>0</mem-alloc-fail>
      <rx-md5-auth-error>0</rx-md5-auth-error>
      <path-state-timeout>0</path-state-timeout>
      <resv-state-timeout>0</resv-state-timeout>
      <pkt-with-msg-id-drop>0</pkt-with-msg-id-drop>
      <pkt-with-sref-drop>0</pkt-with-sref-drop>
      <rx-pkt-bad-length-since-last-clear>0</rx-pkt-bad-length-since-last-clear>
      <rx-pkt-unknown-type-since-last-clear>0</rx-pkt-unknown-type-since-last-clear>
      <rx-pkt-bad-version-since-last-clear>0</rx-pkt-bad-version-since-last-clear>
      <rx-pkt-bad-checksum-since-last-clear>0</rx-pkt-bad-checksum-since-last-clear>
      <mem-alloc-fail-since-last-clear>0</mem-alloc-fail-since-last-clear>
      <rx-md5-auth-error-since-last-clear>0</rx-md5-auth-error-since-last-clear>
      <path-state-timeout-since-last-clear>0</path-state-timeout-since-last-clear>
      <resv-state-timeout-since-last-clear>0</resv-state-timeout-since-last-clear>
      <pkt-with-msg-id-drop-since-last-clear>0</pkt-with-msg-id-drop-since-last-clear>
      <pkt-with-sref-drop-since-last-clear>0</pkt-with-sref-drop-since-last-clear>
      <path-errors>0</path-errors>
      <resv-errors>0</resv-errors>
      <patherr-errors>0</patherr-errors>
      <resverr-errors>0</resverr-errors>
      <pathtear-errors>0</pathtear-errors>
      <resvtear-errors>0</resvtear-errors>
      <resvconf-errors>0</resvconf-errors>
      <bundle-errors>0</bundle-errors>
      <ack-errors>0</ack-errors>
      <sumrefresh-errors>0</sumrefresh-errors>
      <hello-errors>0</hello-errors>
      <nackobject-errors>0</nackobject-errors>
      <path-errors-since-last-clear>0</path-errors-since-last-clear>
      <resv-errors-since-last-clear>0</resv-errors-since-last-clear>
      <patherr-errors-since-last-clear>0</patherr-errors-since-last-clear>
      <resverr-errors-since-last-clear>0</resverr-errors-since-last-clear>
      <pathtear-errors-since-last-clear>0</pathtear-errors-since-last-clear>
      <resvtear-errors-since-last-clear>0</resvtear-errors-since-last-clear>
      <resvconf-errors-since-last-clear>0</resvconf-errors-since-last-clear>
      <bundle-errors-since-last-clear>0</bundle-errors-since-last-clear>
      <ack-errors-since-last-clear>0</ack-errors-since-last-clear>
    </packet-error-counters>
  </statistics>
</rsvp>
```

```

    <sumrefresh-errors-since-last-clear>0</sumrefresh-errors-since-last-clear>
    <hello-errors-since-last-clear>0</hello-errors-since-last-clear>
    <nackobject-errors-since-last-clear>0</nackobject-errors-since-last-clear>
  </packet-error-counters>
<packet-counters y:self="/rest/operational-state/mpls-state/rsvp/statistics/packet-counters">
  <path-tx>5932227</path-tx>
  <resv-tx>5486908</resv-tx>
  <patherr-tx>0</patherr-tx>
  <resverr-tx>0</resverr-tx>
  <pathtear-tx>3800</pathtear-tx>
  <resvtear-tx>0</resvtear-tx>
  <resvconf-tx>0</resvconf-tx>
  <bundle-tx>1856</bundle-tx>
  <ack-tx>6</ack-tx>
  <sumrefresh-tx>52063</sumrefresh-tx>
  <hello-tx>2743</hello-tx>
  <path-rx>5490062</path-rx>
  <resv-rx>5933506</resv-rx>
  <patherr-rx>0</patherr-rx>
  <resverr-rx>0</resverr-rx>
  <pathtear-rx>3</pathtear-rx>
  <resvtear-rx>0</resvtear-rx>
  <resvconf-rx>0</resvconf-rx>
  <bundle-rx>2390</bundle-rx>
  <ack-rx>0</ack-rx>
  <sumrefresh-rx>52128</sumrefresh-rx>
  <hello-rx>2742</hello-rx>
  <path-tx-since-last-clear>5932227</path-tx-since-last-clear>
  <resv-tx-since-last-clear>5486908</resv-tx-since-last-clear>
  <patherr-tx-since-last-clear>0</patherr-tx-since-last-clear>
  <resverr-tx-since-last-clear>0</resverr-tx-since-last-clear>
  <pathtear-tx-since-last-clear>3800</pathtear-tx-since-last-clear>
  <resvtear-tx-since-last-clear>0</resvtear-tx-since-last-clear>
  <resvconf-tx-since-last-clear>0</resvconf-tx-since-last-clear>
  <bundle-tx-since-last-clear>1856</bundle-tx-since-last-clear>
  <ack-tx-since-last-clear>6</ack-tx-since-last-clear>
  <sumrefresh-tx-since-last-clear>52063</sumrefresh-tx-since-last-clear>
  <hello-tx-since-last-clear>2743</hello-tx-since-last-clear>
  <path-rx-since-last-clear>5490062</path-rx-since-last-clear>
  <resv-rx-since-last-clear>5933506</resv-rx-since-last-clear>
  <patherr-rx-since-last-clear>0</patherr-rx-since-last-clear>
  <resverr-rx-since-last-clear>0</resverr-rx-since-last-clear>
  <pathtear-rx-since-last-clear>3</pathtear-rx-since-last-clear>
  <resvtear-rx-since-last-clear>0</resvtear-rx-since-last-clear>
  <resvconf-rx-since-last-clear>0</resvconf-rx-since-last-clear>
  <bundle-rx-since-last-clear>2390</bundle-rx-since-last-clear>
  <ack-rx-since-last-clear>0</ack-rx-since-last-clear>
  <sumrefresh-rx-since-last-clear>52128</sumrefresh-rx-since-last-clear>
  <hello-rx-since-last-clear>2742</hello-rx-since-last-clear>
</packet-counters>
</statistics>
<igmp-sync y:self="/rest/operational-state/mpls-state/rsvp/igmp-sync">
  <isis-nbr-down-enabled>>false</isis-nbr-down-enabled>
  <ospf-nbr-down-enabled>>false</ospf-nbr-down-enabled>
</igmp-sync>
<interfaces y:self="/rest/operational-state/mpls-state/rsvp/interfaces/1207959653">
  <interface-index>1207959653</interface-index>
  <interface-name>"Ve 101"</interface-name>
  <admin-status>>true</admin-status>
  <oper-status>>true</oper-status>
  <is-tunnel-interface>>false</is-tunnel-interface>
  <hello-interval>30</hello-interval>
  <hello-tolerance>30</hello-tolerance>
  <hello-status>enabled-local</hello-status>
  <is-md5-auth-enabled>>false</is-md5-auth-enabled>
  <reliable-messages>disabled</reliable-messages>
  <bundle-messages>enabled-local</bundle-messages>
  <summary-refresh>enabled-local</summary-refresh>
  <active-outsegs>2000</active-outsegs>
  <inactive-outsegs>0</inactive-outsegs>
  <bandwidth-resv-outsegs>0</bandwidth-resv-outsegs>
  <active-backup-outsegs>0</active-backup-outsegs>

```

```

<inactive-backup-outsegs>0</inactive-backup-outsegs>
<interface-preempts>0</interface-preempts>
<interface-resv-soft-preempts>0</interface-resv-soft-preempts>
<interface-flooding-up-threshold>default-config</interface-flooding-up-threshold>
<interface-flooding-down-threshold>default-config</interface-flooding-down-threshold>
<duplicate-preempts-dropped>0</duplicate-preempts-dropped>
<bypass-interface>false</bypass-interface>
<interface-tunnel-name>&quot;&quot;</interface-tunnel-name>
<bypass-tunnel-interface-name>&quot;&quot;</bypass-tunnel-interface-name>
<interface-te-up-thresholds>15 30 45 60 75 80 85 90 95 96 97 98 99 100</interface-te-up-thresholds>
<interface-te-down-thresholds>99 98 97 96 95 90 85 80 75 60 45 30 15</interface-te-down-thresholds>
<error-counters y:self="/rest/operational-state/mpls-state/rsvp/interfaces/1207959653/error-
counters">
  <recv-md5-auth-errors>0</recv-md5-auth-errors>
  <pkt-with-msgid-drop>0</pkt-with-msgid-drop>
  <pkt-with-sref-drop>0</pkt-with-sref-drop>
  <nackobject-errors>0</nackobject-errors>
  <recv-md5-auth-errors-since-last-clear>0</recv-md5-auth-errors-since-last-clear>
  <pkt-with-msgid-drop-since-last-clear>0</pkt-with-msgid-drop-since-last-clear>
  <pkt-with-sref-drop-since-last-clear>0</pkt-with-sref-drop-since-last-clear>
  <nackobject-errors-since-last-clear>0</nackobject-errors-since-last-clear>
</error-counters>
<packet-counters y:self="/rest/operational-state/mpls-state/rsvp/interfaces/1207959653/packet-
counters">
  <path-tx>3900</path-tx>
  <resv-tx>4003</resv-tx>
  <patherr-tx>0</patherr-tx>
  <resvrr-tx>0</resvrr-tx>
  <pathtear-tx>1900</pathtear-tx>
  <resvtear-tx>0</resvtear-tx>
  <resvconf-tx>0</resvconf-tx>
  <bundle-tx>1856</bundle-tx>
  <ack-tx>6</ack-tx>
  <sumrefresh-tx>52063</sumrefresh-tx>
  <hello-tx>2743</hello-tx>
  <path-rx>6396</path-rx>
  <resv-rx>3900</resv-rx>
  <patherr-rx>0</patherr-rx>
  <resvrr-rx>0</resvrr-rx>
  <pathtear-rx>0</pathtear-rx>
  <resvtear-rx>0</resvtear-rx>
  <resvconf-rx>0</resvconf-rx>
  <bundle-rx>2390</bundle-rx>
  <ack-rx>0</ack-rx>
  <sumrefresh-rx>52128</sumrefresh-rx>
  <hello-rx>2742</hello-rx>
  <path-tx-since-last-clear>3900</path-tx-since-last-clear>
  <resv-tx-since-last-clear>4003</resv-tx-since-last-clear>
  <patherr-tx-since-last-clear>0</patherr-tx-since-last-clear>
  <resvrr-tx-since-last-clear>0</resvrr-tx-since-last-clear>
  <pathtear-tx-since-last-clear>1900</pathtear-tx-since-last-clear>
  <resvtear-tx-since-last-clear>0</resvtear-tx-since-last-clear>
  <resvconf-tx-since-last-clear>0</resvconf-tx-since-last-clear>
  <bundle-tx-since-last-clear>1856</bundle-tx-since-last-clear>
  <ack-tx-since-last-clear>6</ack-tx-since-last-clear>
  <sumrefresh-tx-since-last-clear>52063</sumrefresh-tx-since-last-clear>
  <hello-tx-since-last-clear>2743</hello-tx-since-last-clear>
  <path-rx-since-last-clear>6396</path-rx-since-last-clear>
  <resv-rx-since-last-clear>3900</resv-rx-since-last-clear>
  <patherr-rx-since-last-clear>0</patherr-rx-since-last-clear>
  <resvrr-rx-since-last-clear>0</resvrr-rx-since-last-clear>
  <pathtear-rx-since-last-clear>0</pathtear-rx-since-last-clear>
  <resvtear-rx-since-last-clear>0</resvtear-rx-since-last-clear>
  <resvconf-rx-since-last-clear>0</resvconf-rx-since-last-clear>
  <bundle-rx-since-last-clear>2390</bundle-rx-since-last-clear>
  <ack-rx-since-last-clear>0</ack-rx-since-last-clear>
  <sumrefresh-rx-since-last-clear>52128</sumrefresh-rx-since-last-clear>
  <hello-rx-since-last-clear>2742</hello-rx-since-last-clear>
</packet-counters>
</interfaces>
<sessions y:self="/rest/operational-state/mpls-state/rsvp/sessions/4.4.3.2%2C1.2.3.4%2C1%2Csession-
role-ingress">

```



```

<dest-ip-addr>4.4.3.2</dest-ip-addr>
<src-ip-addr>1.2.3.4</src-ip-addr>
<tunnel-id>1</tunnel-id>
<session-role>session-role-ingress</session-role>
<psbs y:self="/rest/operational-state/mpls-state/rsvp/sessions/4.4.3.2%2C1.2.3.4%2C1%2Csession-role-ingress/psbs/1">
  <path-index>1</path-index>
  <session-name>tor4_1</session-name>
  <session-type>session-type-none</session-type>
  <path-operational-status>true</path-operational-status>
  <session-out-label>2048</session-out-label>
  <session-out-interface>&quot;Ve 101&quot;</session-out-interface>
  <lsp-id>1</lsp-id>
  <path-refresh>5</path-refresh>
  <path-refresh-ttd>4212865</path-refresh-ttd>
  <resv-refresh>8</resv-refresh>
  <resv-refresh-ttd>133</resv-refresh-ttd>
  <tspec-peak>0</tspec-peak>
  <tspec-rate>0</tspec-rate>
  <tspec-size>0</tspec-size>
  <tspec-minimum>20</tspec-minimum>
  <tspec-m>65535</tspec-m>
  <psb-setup-priority>7</psb-setup-priority>
  <psb-hold-priority>0</psb-hold-priority>
  <session-attribute-all-flags>4</session-attribute-all-flags>
  <sa-flag-label-recording>false</sa-flag-label-recording>
  <sa-flag-soft-preemption-desired>false</sa-flag-soft-preemption-desired>
  <sa-flag-se-style>true</sa-flag-se-style>
  <sa-flag-local-protect>false</sa-flag-local-protect>
  <sa-flag-bandwidth-protect>false</sa-flag-bandwidth-protect>
  <is-downstream-backup-psb>false</is-downstream-backup-psb>
  <is-backup-psb>false</is-backup-psb>
  <is-upstream-psb>true</is-upstream-psb>
  <path-downstream-only>false</path-downstream-only>
  <path-sent-to-ip>16.16.16.2</path-sent-to-ip>
  <path-sent-interface>&quot;Ve 101&quot;</path-sent-interface>
  <path-sent-auth-on>false</path-sent-auth-on>
  <path-sent-message-id>1</path-sent-message-id>
  <resv-received-from-ip>16.16.16.2</resv-received-from-ip>
  <resv-received-interface>&quot;Ve 101&quot;</resv-received-interface>
  <resv-received-auth-on>false</resv-received-auth-on>
  <resv-received-message-id>1</resv-received-message-id>
  <session-style>reservation-style-shared-explicit</session-style>
  <session-ero-hops y:self="/rest/operational-state/mpls-state/rsvp/sessions/4.4.3.2%2C1.2.3.4%2C1%2Csession-role-ingress/psbs/1/session-ero-hops/16.16.16.2">
    <ip-addr>16.16.16.2</ip-addr>
    <ero-flag-is-strict-hop>true</ero-flag-is-strict-hop>
  </session-ero-hops>
  <session-ero-hops y:self="/rest/operational-state/mpls-state/rsvp/sessions/4.4.3.2%2C1.2.3.4%2C1%2Csession-role-ingress/psbs/1/session-ero-hops/36.36.36.1">
    <ip-addr>36.36.36.1</ip-addr>
    <ero-flag-is-strict-hop>true</ero-flag-is-strict-hop>
  </session-ero-hops>
  <session-ero-hops y:self="/rest/operational-state/mpls-state/rsvp/sessions/4.4.3.2%2C1.2.3.4%2C1%2Csession-role-ingress/psbs/1/session-ero-hops/34.34.34.2">
    <ip-addr>34.34.34.2</ip-addr>
    <ero-flag-is-strict-hop>true</ero-flag-is-strict-hop>
  </session-ero-hops>
  <session-rro-hops y:self="/rest/operational-state/mpls-state/rsvp/sessions/4.4.3.2%2C1.2.3.4%2C1%2Csession-role-ingress/psbs/1/session-rro-hops/16.16.16.2">
    <ip-addr>16.16.16.2</ip-addr>
    <rro-flag-is-local-protect-available>false</rro-flag-is-local-protect-available>
    <rro-flag-is-local-protect-in-use>false</rro-flag-is-local-protect-in-use>
    <rro-flag-rro-is-router-id>false</rro-flag-rro-is-router-id>
    <rro-flag-rro-node-protect>false</rro-flag-rro-node-protect>
    <rro-flag-rro-bandwidth-protect>false</rro-flag-rro-bandwidth-protect>
  </session-rro-hops>
  <session-rro-hops y:self="/rest/operational-state/mpls-state/rsvp/sessions/4.4.3.2%2C1.2.3.4%2C1%2Csession-role-ingress/psbs/1/session-rro-hops/36.36.36.1">
    <ip-addr>36.36.36.1</ip-addr>
    <rro-flag-is-local-protect-available>false</rro-flag-is-local-protect-available>
    <rro-flag-is-local-protect-in-use>false</rro-flag-is-local-protect-in-use>

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    <rro-flag-rro-is-router-id>false</rro-flag-rro-is-router-id>
    <rro-flag-rro-node-protect>false</rro-flag-rro-node-protect>
    <rro-flag-rro-bandwidth-protect>false</rro-flag-rro-bandwidth-protect>
  </session-rro-hops>
  <session-rro-hops y:self="/rest/operational-state/mpls-state/rsvp/sessions/
4.4.3.2%2C1.2.3.4%2C1%2Csession-role-ingress/psbs/1/session-rro-hops/34.34.34.2">
    <ip-addr>34.34.34.2</ip-addr>
    <rro-flag-is-local-protect-available>false</rro-flag-is-local-protect-available>
    <rro-flag-is-local-protect-in-use>false</rro-flag-is-local-protect-in-use>
    <rro-flag-rro-is-router-id>false</rro-flag-rro-is-router-id>
    <rro-flag-rro-node-protect>false</rro-flag-rro-node-protect>
    <rro-flag-rro-bandwidth-protect>false</rro-flag-rro-bandwidth-protect>
  </session-rro-hops>
</psbs>
<neighbors y:self="/rest/operational-state/mpls-state/rsvp/neighbors/16.16.16.2">
  <neighbor-ip-addr>16.16.16.2</neighbor-ip-addr>
  <neighbor-interface>&quot;Ve 101&quot;</neighbor-interface>
  <neighbor-status>UP</neighbor-status>
  <neighbor-last-status-change>0:22:50:29</neighbor-last-status-change>
  <rsvp-hello-tx>2743</rsvp-hello-tx>
  <rsvp-hello-rx>2742</rsvp-hello-rx>
  <refresh-reduction-support>true</refresh-reduction-support>
  <msg-id-support>true</msg-id-support>
  <active-lsps>4000</active-lsps>
  <rsvp-hello-interval>30</rsvp-hello-interval>
  <rsvp-hello-tolerance>30</rsvp-hello-tolerance>
  <neighbor-remote-instance>391734</neighbor-remote-instance>
  <neighbor-local-instance>367490</neighbor-local-instance>
  <last-hello-rx>21</last-hello-rx>
  <next-hello-req-tx>8</next-hello-req-tx>
</neighbors>
<neighbors y:self="/rest/operational-state/mpls-state/rsvp/neighbors/51.51.51.1">
  <neighbor-ip-addr>51.51.51.1</neighbor-ip-addr>
  <neighbor-interface>&quot;Ve 171&quot;</neighbor-interface>
  <refresh-reduction-support>false</refresh-reduction-support>
  <msg-id-support>true</msg-id-support>
  <active-lsps>4000</active-lsps>
</neighbors>
</rsvp>

```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/rsvp/igp-sync

Displays the MPLS RSVP IGP synchronization information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/rsvp/igp-sync	Displays the MPLS RSVP IGP synchronization information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/rsvp/igp-sync

Request Body

None

Response Body

```
<igp-sync xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/rsvp/igp-sync">
  <isis-nbr-down-enabled>false</isis-nbr-down-enabled>
  <ospf-nbr-down-enabled>false</ospf-nbr-down-enabled>
</igp-sync>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/rsvp/interfaces

Displays the LDP interface information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/ldp/interfaces	Displays the LDP interface information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/ldp/interfaces

Request Body

None

Response Body

```
<interfaces xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/rsvp/interfaces/1207959653">
  <interface-index>1207959653</interface-index>
  <interface-name>&quot;Ve 101&quot;</interface-name>
  <admin-status>true</admin-status>
  <oper-status>true</oper-status>
  <is-tunnel-interface>false</is-tunnel-interface>
  <hello-interval>30</hello-interval>
  <hello-tolerance>30</hello-tolerance>
  <hello-status>enabled-local</hello-status>
  <is-md5-auth-enabled>false</is-md5-auth-enabled>
  <reliable-messages>disabled</reliable-messages>
  <bundle-messages>enabled-local</bundle-messages>
  <summary-refresh>enabled-local</summary-refresh>
  <active-outsegs>2000</active-outsegs>
  <inactive-outsegs>0</inactive-outsegs>
  <bandwidth-resv-outsegs>0</bandwidth-resv-outsegs>
  <active-backup-outsegs>0</active-backup-outsegs>
  <inactive-backup-outsegs>0</inactive-backup-outsegs>
  <interface-preempts>0</interface-preempts>
  <interface-resv-soft-preempts>0</interface-resv-soft-preempts>
  <interface-flooding-up-threshold>default-config</interface-flooding-up-threshold>
  <interface-flooding-down-threshold>default-config</interface-flooding-down-threshold>
  <duplicate-preempts-dropped>0</duplicate-preempts-dropped>
  <bypass-interface>false</bypass-interface>
  <interface-tunnel-name>&quot;&quot;</interface-tunnel-name>
  <bypass-tunnel-interface-name>&quot;&quot;</bypass-tunnel-interface-name>
  <interface-te-up-thresholds>15 30 45 60 75 80 85 90 95 96 97 98 99 100</interface-te-up-thresholds>
  <interface-te-down-thresholds>99 98 97 96 95 90 85 80 75 60 45 30 15</interface-te-down-thresholds>
  <error-counters y:self="/rest/operational-state/mpls-state/rsvp/interfaces/1207959653/error-counters">
    <rcv-md5-auth-errors>0</rcv-md5-auth-errors>
    <pkt-with-msgid-drop>0</pkt-with-msgid-drop>
    <pkt-with-sref-drop>0</pkt-with-sref-drop>
    <nackobject-errors>0</nackobject-errors>
    <rcv-md5-auth-errors-since-last-clear>0</rcv-md5-auth-errors-since-last-clear>
    <pkt-with-msgid-drop-since-last-clear>0</pkt-with-msgid-drop-since-last-clear>
    <pkt-with-sref-drop-since-last-clear>0</pkt-with-sref-drop-since-last-clear>
    <nackobject-errors-since-last-clear>0</nackobject-errors-since-last-clear>
  </error-counters>
  <packet-counters y:self="/rest/operational-state/mpls-state/rsvp/interfaces/1207959653/packet-counters">
    <path-tx>3900</path-tx>
    <resv-tx>4003</resv-tx>
    <patherr-tx>0</patherr-tx>
    <resvrr-tx>0</resvrr-tx>
    <pathtear-tx>1900</pathtear-tx>
    <resvtear-tx>0</resvtear-tx>
    <resvconf-tx>0</resvconf-tx>
    <bundle-tx>1857</bundle-tx>
    <ack-tx>6</ack-tx>
    <sumrefresh-tx>52117</sumrefresh-tx>
    <hello-tx>2746</hello-tx>
    <path-rx>6396</path-rx>
  </packet-counters>
</interfaces>
```

```

<resv-rx>3900</resv-rx>
<patherr-rx>0</patherr-rx>
<resverr-rx>0</resverr-rx>
<pathtear-rx>0</pathtear-rx>
<resvtear-rx>0</resvtear-rx>
<resvconf-rx>0</resvconf-rx>
<bundle-rx>2390</bundle-rx>
<ack-rx>0</ack-rx>
<sumrefresh-rx>52177</sumrefresh-rx>
<hello-rx>2745</hello-rx>
<path-tx-since-last-clear>3900</path-tx-since-last-clear>
<resv-tx-since-last-clear>4003</resv-tx-since-last-clear>
<patherr-tx-since-last-clear>0</patherr-tx-since-last-clear>
<resverr-tx-since-last-clear>0</resverr-tx-since-last-clear>
<pathtear-tx-since-last-clear>1900</pathtear-tx-since-last-clear>
<resvtear-tx-since-last-clear>0</resvtear-tx-since-last-clear>
<resvconf-tx-since-last-clear>0</resvconf-tx-since-last-clear>
<bundle-tx-since-last-clear>1857</bundle-tx-since-last-clear>
<ack-tx-since-last-clear>6</ack-tx-since-last-clear>
<sumrefresh-tx-since-last-clear>52117</sumrefresh-tx-since-last-clear>
<hello-tx-since-last-clear>2746</hello-tx-since-last-clear>
<path-rx-since-last-clear>6396</path-rx-since-last-clear>
<resv-rx-since-last-clear>3900</resv-rx-since-last-clear>
<patherr-rx-since-last-clear>0</patherr-rx-since-last-clear>
<resverr-rx-since-last-clear>0</resverr-rx-since-last-clear>
<pathtear-rx-since-last-clear>0</pathtear-rx-since-last-clear>
<resvtear-rx-since-last-clear>0</resvtear-rx-since-last-clear>
<resvconf-rx-since-last-clear>0</resvconf-rx-since-last-clear>
<bundle-rx-since-last-clear>2390</bundle-rx-since-last-clear>
<ack-rx-since-last-clear>0</ack-rx-since-last-clear>
<sumrefresh-rx-since-last-clear>52177</sumrefresh-rx-since-last-clear>
<hello-rx-since-last-clear>2745</hello-rx-since-last-clear>
</packet-counters>
</interfaces>

```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/rsvp/neighbors

Displays the RSVP neighbor operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/rsvp/neighbors	Displays the RSVP neighbor operational information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/rsvp/neighbors

Request Body

None

Response Body

```
<neighbors xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/rsvp/neighbors/16.16.16.2">
  <neighbor-ip-addr>16.16.16.2</neighbor-ip-addr>
  <neighbor-interface>&quot;Ve 101&quot;</neighbor-interface>
  <neighbor-status>UP</neighbor-status>
  <neighbor-last-status-change>0:22:52:10</neighbor-last-status-change>
  <rsvp-hello-tx>2747</rsvp-hello-tx>
  <rsvp-hello-rx>2746</rsvp-hello-rx>
  <refresh-reduction-support>true</refresh-reduction-support>
  <msg-id-support>true</msg-id-support>
  <active-lsps>4000</active-lsps>
  <rsvp-hello-interval>30</rsvp-hello-interval>
  <rsvp-hello-tolerance>30</rsvp-hello-tolerance>
  <neighbor-remote-instance>391734</neighbor-remote-instance>
  <neighbor-local-instance>367490</neighbor-local-instance>
  <last-hello-rx>2</last-hello-rx>
  <next-hello-req-tx>27</next-hello-req-tx>
</neighbors>
<neighbors xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/rsvp/neighbors/51.51.51.1">
  <neighbor-ip-addr>51.51.51.1</neighbor-ip-addr>
  <neighbor-interface>&quot;Ve 171&quot;</neighbor-interface>
  <refresh-reduction-support>false</refresh-reduction-support>
  <msg-id-support>true</msg-id-support>
  <active-lsps>4000</active-lsps>
</neighbors>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/rsvp/statistics

Displays MPLS RSVP global statistics.

Resource URIs

URI	Description
<base _URI>/operational-state/mpls-state/rsvp/statistics	Displays MPLS RSVP global statistics.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/rsvp/statistics

Request Body

None

Response Body

```
<statistics xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/rsvp/statistics">
  <packet-error-counters y:self="/rest/operational-state/mpls-state/rsvp/statistics/packet-error-
counters">
    <rx-pkt-bad-length>0</rx-pkt-bad-length>
    <rx-pkt-unknown-type>0</rx-pkt-unknown-type>
    <rx-pkt-bad-version>0</rx-pkt-bad-version>
    <rx-pkt-bad-checksum>0</rx-pkt-bad-checksum>
    <mem-alloc-fail>0</mem-alloc-fail>
    <rx-md5-auth-error>0</rx-md5-auth-error>
    <path-state-timeout>0</path-state-timeout>
    <resv-state-timeout>0</resv-state-timeout>
    <pkt-with-msg-id-drop>0</pkt-with-msg-id-drop>
    <pkt-with-sref-drop>0</pkt-with-sref-drop>
    <rx-pkt-bad-length-since-last-clear>0</rx-pkt-bad-length-since-last-clear>
    <rx-pkt-unknown-type-since-last-clear>0</rx-pkt-unknown-type-since-last-clear>
    <rx-pkt-bad-version-since-last-clear>0</rx-pkt-bad-version-since-last-clear>
    <rx-pkt-bad-checksum-since-last-clear>0</rx-pkt-bad-checksum-since-last-clear>
    <mem-alloc-fail-since-last-clear>0</mem-alloc-fail-since-last-clear>
    <rx-md5-auth-error-since-last-clear>0</rx-md5-auth-error-since-last-clear>
    <path-state-timeout-since-last-clear>0</path-state-timeout-since-last-clear>
    <resv-state-timeout-since-last-clear>0</resv-state-timeout-since-last-clear>
    <pkt-with-msg-id-drop-since-last-clear>0</pkt-with-msg-id-drop-since-last-clear>
    <pkt-with-sref-drop-since-last-clear>0</pkt-with-sref-drop-since-last-clear>
    <path-errors>0</path-errors>
    <resv-errors>0</resv-errors>
    <patherr-errors>0</patherr-errors>
    <resverr-errors>0</resverr-errors>
    <pathtear-errors>0</pathtear-errors>
    <resvtear-errors>0</resvtear-errors>
    <resvconf-errors>0</resvconf-errors>
    <bundle-errors>0</bundle-errors>
    <ack-errors>0</ack-errors>
    <sumrefresh-errors>0</sumrefresh-errors>
    <hello-errors>0</hello-errors>
    <nackobject-errors>0</nackobject-errors>
    <path-errors-since-last-clear>0</path-errors-since-last-clear>
    <resv-errors-since-last-clear>0</resv-errors-since-last-clear>
    <patherr-errors-since-last-clear>0</patherr-errors-since-last-clear>
    <resverr-errors-since-last-clear>0</resverr-errors-since-last-clear>
    <pathtear-errors-since-last-clear>0</pathtear-errors-since-last-clear>
    <resvtear-errors-since-last-clear>0</resvtear-errors-since-last-clear>
    <resvconf-errors-since-last-clear>0</resvconf-errors-since-last-clear>
    <bundle-errors-since-last-clear>0</bundle-errors-since-last-clear>
    <ack-errors-since-last-clear>0</ack-errors-since-last-clear>
    <sumrefresh-errors-since-last-clear>0</sumrefresh-errors-since-last-clear>
    <hello-errors-since-last-clear>0</hello-errors-since-last-clear>
    <nackobject-errors-since-last-clear>0</nackobject-errors-since-last-clear>
  </packet-error-counters>
  <packet-counters y:self="/rest/operational-state/mpls-state/rsvp/statistics/packet-counters">
    <path-tx>5940294</path-tx>
    <resv-tx>5494960</resv-tx>
    <patherr-tx>0</patherr-tx>
```

```

<resvrr-tx>0</resvrr-tx>
<pathtear-tx>3800</pathtear-tx>
<resvt-tear-tx>0</resvt-tear-tx>
<resvconf-tx>0</resvconf-tx>
<bundle-tx>1857</bundle-tx>
<ack-tx>6</ack-tx>
<sumrefresh-tx>52140</sumrefresh-tx>
<hello-tx>2747</hello-tx>
<path-rx>5498060</path-rx>
<resv-rx>5941541</resv-rx>
<patherr-rx>0</patherr-rx>
<resvrr-rx>0</resvrr-rx>
<pathtear-rx>3</pathtear-rx>
<resvt-tear-rx>0</resvt-tear-rx>
<resvconf-rx>0</resvconf-rx>
<bundle-rx>2390</bundle-rx>
<ack-rx>0</ack-rx>
<sumrefresh-rx>52204</sumrefresh-rx>
<hello-rx>2746</hello-rx>
<path-tx-since-last-clear>5940294</path-tx-since-last-clear>
<resv-tx-since-last-clear>5494960</resv-tx-since-last-clear>
<patherr-tx-since-last-clear>0</patherr-tx-since-last-clear>
<resvrr-tx-since-last-clear>0</resvrr-tx-since-last-clear>
<pathtear-tx-since-last-clear>3800</pathtear-tx-since-last-clear>
<resvt-tear-tx-since-last-clear>0</resvt-tear-tx-since-last-clear>
<resvconf-tx-since-last-clear>0</resvconf-tx-since-last-clear>
<bundle-tx-since-last-clear>1857</bundle-tx-since-last-clear>
<ack-tx-since-last-clear>6</ack-tx-since-last-clear>
<sumrefresh-tx-since-last-clear>52140</sumrefresh-tx-since-last-clear>
<hello-tx-since-last-clear>2747</hello-tx-since-last-clear>
<path-rx-since-last-clear>5498060</path-rx-since-last-clear>
<resv-rx-since-last-clear>5941541</resv-rx-since-last-clear>
<patherr-rx-since-last-clear>0</patherr-rx-since-last-clear>
<resvrr-rx-since-last-clear>0</resvrr-rx-since-last-clear>
<pathtear-rx-since-last-clear>3</pathtear-rx-since-last-clear>
<resvt-tear-rx-since-last-clear>0</resvt-tear-rx-since-last-clear>
<resvconf-rx-since-last-clear>0</resvconf-rx-since-last-clear>
<bundle-rx-since-last-clear>2390</bundle-rx-since-last-clear>
<ack-rx-since-last-clear>0</ack-rx-since-last-clear>
<sumrefresh-rx-since-last-clear>52204</sumrefresh-rx-since-last-clear>
<hello-rx-since-last-clear>2746</hello-rx-since-last-clear>
</packet-counters>
</statistics>

```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/rsvp/statistics/packet-counters

Displays RSVP packet counters.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/rsvp/statistics/packet-counters	Displays RSVP packet counters.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/rsvp/statistics/packet-counters

Request Body

None

Response Body

```
<packet-counters xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/rsvp/statistics/packet-counters">
  <path-tx>5941629</path-tx>
  <resv-tx>5496282</resv-tx>
  <patherr-tx>0</patherr-tx>
  <resverr-tx>0</resverr-tx>
  <pathtear-tx>3800</pathtear-tx>
  <resvtear-tx>0</resvtear-tx>
  <resvconf-tx>0</resvconf-tx>
  <bundle-tx>1857</bundle-tx>
  <ack-tx>6</ack-tx>
  <sumrefresh-tx>52156</sumrefresh-tx>
  <hello-tx>2748</hello-tx>
  <path-rx>5499432</path-rx>
  <resv-rx>5942885</resv-rx>
  <patherr-rx>0</patherr-rx>
  <resverr-rx>0</resverr-rx>
  <pathtear-rx>3</pathtear-rx>
  <resvtear-rx>0</resvtear-rx>
  <resvconf-rx>0</resvconf-rx>
  <bundle-rx>2390</bundle-rx>
  <ack-rx>0</ack-rx>
  <sumrefresh-rx>52216</sumrefresh-rx>
  <hello-rx>2747</hello-rx>
  <path-tx-since-last-clear>5941629</path-tx-since-last-clear>
  <resv-tx-since-last-clear>5496282</resv-tx-since-last-clear>
  <patherr-tx-since-last-clear>0</patherr-tx-since-last-clear>
  <resverr-tx-since-last-clear>0</resverr-tx-since-last-clear>
  <pathtear-tx-since-last-clear>3800</pathtear-tx-since-last-clear>
  <resvtear-tx-since-last-clear>0</resvtear-tx-since-last-clear>
  <resvconf-tx-since-last-clear>0</resvconf-tx-since-last-clear>
  <bundle-tx-since-last-clear>1857</bundle-tx-since-last-clear>
  <ack-tx-since-last-clear>6</ack-tx-since-last-clear>
  <sumrefresh-tx-since-last-clear>52156</sumrefresh-tx-since-last-clear>
  <hello-tx-since-last-clear>2748</hello-tx-since-last-clear>
  <path-rx-since-last-clear>5499432</path-rx-since-last-clear>
  <resv-rx-since-last-clear>5942885</resv-rx-since-last-clear>
  <patherr-rx-since-last-clear>0</patherr-rx-since-last-clear>
  <resverr-rx-since-last-clear>0</resverr-rx-since-last-clear>
  <pathtear-rx-since-last-clear>3</pathtear-rx-since-last-clear>
  <resvtear-rx-since-last-clear>0</resvtear-rx-since-last-clear>
  <resvconf-rx-since-last-clear>0</resvconf-rx-since-last-clear>
  <bundle-rx-since-last-clear>2390</bundle-rx-since-last-clear>
  <ack-rx-since-last-clear>0</ack-rx-since-last-clear>
  <sumrefresh-rx-since-last-clear>52216</sumrefresh-rx-since-last-clear>
  <hello-rx-since-last-clear>2747</hello-rx-since-last-clear>
</packet-counters>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/rsvp/statistics/packet-error-counters

Displays the RSVP error packet counters.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/rsvp/statistics/packet-error-counters	Displays the RSVP error packet counters.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/rsvp/statistics/packet-error-counters

Request Body

None

Response Body

```
<packet-error-counters xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/rsvp/statistics/packet-error-counters">
  <rx-pkt-bad-length>0</rx-pkt-bad-length>
  <rx-pkt-unknown-type>0</rx-pkt-unknown-type>
  <rx-pkt-bad-version>0</rx-pkt-bad-version>
  <rx-pkt-bad-checksum>0</rx-pkt-bad-checksum>
  <mem-alloc-fail>0</mem-alloc-fail>
  <rx-md5-auth-error>0</rx-md5-auth-error>
  <path-state-timeout>0</path-state-timeout>
  <resv-state-timeout>0</resv-state-timeout>
  <pkt-with-msg-id-drop>0</pkt-with-msg-id-drop>
  <pkt-with-sref-drop>0</pkt-with-sref-drop>
  <rx-pkt-bad-length-since-last-clear>0</rx-pkt-bad-length-since-last-clear>
  <rx-pkt-unknown-type-since-last-clear>0</rx-pkt-unknown-type-since-last-clear>
  <rx-pkt-bad-version-since-last-clear>0</rx-pkt-bad-version-since-last-clear>
  <rx-pkt-bad-checksum-since-last-clear>0</rx-pkt-bad-checksum-since-last-clear>
  <mem-alloc-fail-since-last-clear>0</mem-alloc-fail-since-last-clear>
  <rx-md5-auth-error-since-last-clear>0</rx-md5-auth-error-since-last-clear>
  <path-state-timeout-since-last-clear>0</path-state-timeout-since-last-clear>
  <resv-state-timeout-since-last-clear>0</resv-state-timeout-since-last-clear>
  <pkt-with-msg-id-drop-since-last-clear>0</pkt-with-msg-id-drop-since-last-clear>
  <pkt-with-sref-drop-since-last-clear>0</pkt-with-sref-drop-since-last-clear>
  <path-errors>0</path-errors>
  <resv-errors>0</resv-errors>
  <patherr-errors>0</patherr-errors>
  <resverr-errors>0</resverr-errors>
  <pathtear-errors>0</pathtear-errors>
  <resvtear-errors>0</resvtear-errors>
  <resvconf-errors>0</resvconf-errors>
  <bundle-errors>0</bundle-errors>
  <ack-errors>0</ack-errors>
  <sumrefresh-errors>0</sumrefresh-errors>
  <hello-errors>0</hello-errors>
  <nackobject-errors>0</nackobject-errors>
  <path-errors-since-last-clear>0</path-errors-since-last-clear>
  <resv-errors-since-last-clear>0</resv-errors-since-last-clear>
  <patherr-errors-since-last-clear>0</patherr-errors-since-last-clear>
  <resverr-errors-since-last-clear>0</resverr-errors-since-last-clear>
  <pathtear-errors-since-last-clear>0</pathtear-errors-since-last-clear>
  <resvtear-errors-since-last-clear>0</resvtear-errors-since-last-clear>
  <resvconf-errors-since-last-clear>0</resvconf-errors-since-last-clear>
  <bundle-errors-since-last-clear>0</bundle-errors-since-last-clear>
  <ack-errors-since-last-clear>0</ack-errors-since-last-clear>
  <sumrefresh-errors-since-last-clear>0</sumrefresh-errors-since-last-clear>
  <hello-errors-since-last-clear>0</hello-errors-since-last-clear>
  <nackobject-errors-since-last-clear>0</nackobject-errors-since-last-clear>
</packet-error-counters>
```


History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/statistics-oam

Displays the OAM packet statistics.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/statistics-oam	Displays the OAM packet statistics.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/statistics-oam

Request Body

None

Response Body

```
<statistics-oam xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/statistics-oam">
  <usr-ping-count>1</usr-ping-count>
  <usr-traceroute-count>1</usr-traceroute-count>
  <echo-req-sent-count>8</echo-req-sent-count>
  <echo-req-received-count>0</echo-req-received-count>
  <echo-req-timeout-count>0</echo-req-timeout-count>
  <echo-resp-sent-count>0</echo-resp-sent-count>
  <echo-resp-received-count>8</echo-resp-received-count>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/3">
    <number>3</number>
    <name>Egress</name>
    <tx-count>0</tx-count>
    <rx-count>6</rx-count>
  </return-codes>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/8">
    <number>8</number>
    <name>Transit</name>
    <tx-count>0</tx-count>
    <rx-count>2</rx-count>
  </return-codes>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/0">
    <number>0</number>
    <name>"No return code";</name>
    <tx-count>0</tx-count>
    <rx-count>0</rx-count>
  </return-codes>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/1">
    <number>1</number>
    <name>"Malformed request";</name>
    <tx-count>0</tx-count>
    <rx-count>0</rx-count>
  </return-codes>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/2">
    <number>2</number>
    <name>"Unsupported TLV";</name>
    <tx-count>0</tx-count>
    <rx-count>0</rx-count>
  </return-codes>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/4">
    <number>4</number>
    <name>"No FEC mapping";</name>
    <tx-count>0</tx-count>
    <rx-count>0</rx-count>
  </return-codes>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/5">
    <number>5</number>
    <name>"DS map mismatch";</name>
    <tx-count>0</tx-count>
    <rx-count>0</rx-count>
  </return-codes>
  <return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/6">
    <number>6</number>
  </return-codes>
</statistics-oam>
```

```

    <name>&quot;Unknown upstream intf&quot;</name>
    <tx-count>0</tx-count>
    <rx-count>0</rx-count>
  </return-codes>
<return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/7">
  <number>7</number>
  <name>&quot;Reserved return code&quot;</name>
  <tx-count>0</tx-count>
  <rx-count>0</rx-count>
</return-codes>
<return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/9">
  <number>9</number>
  <name>&quot;Unlabeled output intf&quot;</name>
  <tx-count>0</tx-count>
  <rx-count>0</rx-count>
</return-codes>
<return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/10">
  <number>10</number>
  <name>&quot;FEC mapping mismatch&quot;</name>
  <tx-count>0</tx-count>
  <rx-count>0</rx-count>
</return-codes>
<return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/11">
  <number>11</number>
  <name>&quot;No label entry&quot;</name>
  <tx-count>0</tx-count>
  <rx-count>0</rx-count>
</return-codes>
<return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/12">
  <number>12</number>
  <name>&quot;Rx intf protocol mismatch&quot;</name>
  <tx-count>0</tx-count>
  <rx-count>0</rx-count>
</return-codes>
<return-codes y:self="/rest/operational-state/mpls-state/statistics-oam/return-codes/13">
  <number>13</number>
  <name>&quot;Premature LSP termination&quot;</name>
  <tx-count>0</tx-count>
  <rx-count>0</rx-count>
</return-codes>
</statistics-oam>

```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/summary

Displays the MPLS summary.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/summary	Displays the MPLS summary.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/summary

Request Body

None

Response Body

```
<summary xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/mpls-state/summary">
  <paths-configured>4</paths-configured>
  <lsp-configured>2000</lsp-configured>
  <lsp-enabled>2000</lsp-enabled>
  <lsp-operational>2000</lsp-operational>
  <detour-lsp-up>0</detour-lsp-up>
  <backup-lsp-up>0</backup-lsp-up>
  <bypass-lsp>0</bypass-lsp>
  <bypass-lsp-up>0</bypass-lsp-up>
  <bypass-lsp-enabled>0</bypass-lsp-enabled>
  <ldp-lsp-operational>1003</ldp-lsp-operational>
  <transit-lsp-configured>0</transit-lsp-configured>
  <transit-lsp-enabled>0</transit-lsp-enabled>
  <transit-lsp-operational>0</transit-lsp-operational>
  <cspf-groups-configured>0</cspf-groups-configured>
  <tunnels-supported>5000</tunnels-supported>
  <tunnels-allocated>3003</tunnels-allocated>
  <cross-connects-supported>10000</cross-connects-supported>
  <cross-connects-allocated>7003</cross-connects-allocated>
  <auto-bw-templates-supported>100</auto-bw-templates-supported>
  <auto-bw-templates-configured>0</auto-bw-templates-configured>
  <times-enabled>1</times-enabled>
</summary>
```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/te

Displays MPLS traffic engineering operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/te	Displays MPLS traffic engineering operational information.
<base_URI>/operational-state/mpls-state/te/database	Displays MPLS TE database operational information.
<base_URI>/operational-state/mpls-state/te/database/area	Displays MPLS TE database area operational information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/te

Request Body

None

Response Body

```
<te xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/te">
  <ospf-te-enabled>true</ospf-te-enabled>
  <isis-te-enabled>false</isis-te-enabled>
  <ospf-area-id>0.0.0.0</ospf-area-id>
  <isis-level-id>0</isis-level-id>
  <database y:self="/rest/operational-state/mpls-state/te/database">
    <router-id>1.2.3.4</router-id>
    <area y:self="/rest/operational-state/mpls-state/te/database/area/0.0.0.0%2C0">
      <area-id>0.0.0.0</area-id>
      <level-id>0</level-id>
      <igp-isis>false</igp-isis>
      <igp-ospf>true</igp-ospf>
      <host-name>&quot;&quot;</host-name>
      <router-id>1.2.3.4</router-id>
      <total-network-nodes>0</total-network-nodes>
      <total-router-nodes>0</total-router-nodes>
      <total-p2p-links>0</total-p2p-links>
      <total-p2mp-links>0</total-p2mp-links>
      <node y:self="/rest/operational-state/mpls-state/te/database/area/0.0.0.0%2C0/node/%22%22%2C4.4.3.2">
        <local-node-id>&quot;&quot;</local-node-id>
        <local-router-id>4.4.3.2</local-router-id>
        <igp-isis>false</igp-isis>
        <igp-ospf>true</igp-ospf>
        <area-id>0.0.0.0</area-id>
        <level-id>0</level-id>
        <router>true</router>
        <network>false</network>
        <host-name>&quot;&quot;</host-name>
        <gen-code>0</gen-code>
        <lsa-id>0</lsa-id>
        <total-p2p-links>0</total-p2p-links>
        <total-p2mp-links>0</total-p2mp-links>
        <overloaded>0</overloaded>
        <link y:self="/rest/operational-state/mpls-state/te/database/area/0.0.0.0%2C0/node/%22%22%2C4.4.3.2/link/%22%22%2C%22%22%2C4.4.3.2%2C3.3.3%2C34.34.34.2%2C34.34.34.1">
          <local-node-id>&quot;&quot;</local-node-id>
          <remote-node-id>&quot;&quot;</remote-node-id>
          <local-router-id>4.4.3.2</local-router-id>
          <remote-router-id>3.3.3.3</remote-router-id>
          <local-ip>34.34.34.2</local-ip>
          <remote-ip>34.34.34.1</remote-ip>
          <igp-isis>false</igp-isis>
          <igp-ospf>true</igp-ospf>
          <area-id>0.0.0.0</area-id>
          <level-id>0</level-id>
          <local-host-name>&quot;&quot;</local-host-name>
          <remote-host-name>&quot;&quot;</remote-host-name>
          <router>true</router>
          <network>false</network>
          <p2p>true</p2p>
          <p2mp>false</p2mp>
        </link>
      </node>
    </area>
  </database>
</te>
```



```

<gen-code>1376</gen-code>
<lsa-id>16777226</lsa-id>
<pending-delete>0</pending-delete>
<igp-metric>1</igp-metric>
<te-metric>1</te-metric>
<admin-group>0</admin-group>
<max-bandwidth>49999998</max-bandwidth>
<max-reservable-bandwidth>49999998</max-reservable-bandwidth>
<unreserved-priority-0-bandwidth>49999998</unreserved-priority-0-bandwidth>
<unreserved-priority-1-bandwidth>49999998</unreserved-priority-1-bandwidth>
<unreserved-priority-2-bandwidth>49999998</unreserved-priority-2-bandwidth>
<unreserved-priority-3-bandwidth>49999998</unreserved-priority-3-bandwidth>
<unreserved-priority-4-bandwidth>49999998</unreserved-priority-4-bandwidth>
<unreserved-priority-5-bandwidth>49999998</unreserved-priority-5-bandwidth>
<unreserved-priority-6-bandwidth>49999998</unreserved-priority-6-bandwidth>
<unreserved-priority-7-bandwidth>49999998</unreserved-priority-7-bandwidth>
</link>
</node>
<node y:self="/rest/operational-state/mpls-state/te/database/area/0.0.0.0%2C0/node/
%22%22%2C6.6.6.6">
<local-node-id>&quot;&quot;</local-node-id>
<local-router-id>6.6.6.6</local-router-id>
<igp-isis>>false</igp-isis>
<igp-ospf>>true</igp-ospf>
<area-id>0.0.0.0</area-id>
<level-id>0</level-id>
<router>>true</router>
<network>>false</network>
<host-name>&quot;&quot;</host-name>
<gen-code>0</gen-code>
<lsa-id>0</lsa-id>
<total-p2p-links>0</total-p2p-links>
<total-p2mp-links>0</total-p2mp-links>
<overloaded>0</overloaded>
<link y:self="/rest/operational-state/mpls-state/te/database/area/0.0.0.0%2C0/node/
%22%22%2C6.6.6.6/link/%22%22%2C%22%22%2C6.6.6.6%2C3.3.3%2C36.36.36.2%2C36.36.36.1">
<local-node-id>&quot;&quot;&quot;&quot;</local-node-id>
<remote-node-id>&quot;&quot;</remote-node-id>
<local-router-id>6.6.6.6</local-router-id>
<remote-router-id>3.3.3.3</remote-router-id>
<local-ip>36.36.36.2</local-ip>
<remote-ip>36.36.36.1</remote-ip>
<igp-isis>>false</igp-isis>
<igp-ospf>>true</igp-ospf>
<area-id>0.0.0.0</area-id>
<level-id>0</level-id>
<local-host-name>&quot;&quot;</local-host-name>
<remote-host-name>&quot;&quot;</remote-host-name>
<router>>true</router>
<network>>false</network>
<p2p>>true</p2p>
<p2mp>>false</p2mp>
<gen-code>1382</gen-code>
<lsa-id>16777218</lsa-id>
<pending-delete>0</pending-delete>
<igp-metric>1</igp-metric>
<te-metric>1</te-metric>
<admin-group>0</admin-group>
<max-bandwidth>39999998</max-bandwidth>
<max-reservable-bandwidth>39999998</max-reservable-bandwidth>
<unreserved-priority-0-bandwidth>39999998</unreserved-priority-0-bandwidth>
<unreserved-priority-1-bandwidth>39999998</unreserved-priority-1-bandwidth>
<unreserved-priority-2-bandwidth>39999998</unreserved-priority-2-bandwidth>
<unreserved-priority-3-bandwidth>39999998</unreserved-priority-3-bandwidth>
<unreserved-priority-4-bandwidth>39999998</unreserved-priority-4-bandwidth>
<unreserved-priority-5-bandwidth>39999998</unreserved-priority-5-bandwidth>
<unreserved-priority-6-bandwidth>39999998</unreserved-priority-6-bandwidth>
<unreserved-priority-7-bandwidth>39999998</unreserved-priority-7-bandwidth>
</link>
<link y:self="/rest/operational-state/mpls-state/te/database/area/0.0.0.0%2C0/node/
%22%22%2C6.6.6.6/link/%22%22%2C%22%22%2C6.6.6.6%2C1.2.3.4%2C16.16.16.2%2C16.16.16.1">
<local-node-id>&quot;&quot;</local-node-id>

```

```

<remote-node-id>&quot;&quot;</remote-node-id>
<local-router-id>6.6.6.6</local-router-id>
<remote-router-id>1.2.3.4</remote-router-id>
<local-ip>16.16.16.2</local-ip>
<remote-ip>16.16.16.1</remote-ip>
<igp-isis>false</igp-isis>
<igp-ospf>true</igp-ospf>
<area-id>0.0.0.0</area-id>
<level-id>0</level-id>
<local-host-name>&quot;&quot;</local-host-name>
<remote-host-name>&quot;&quot;</remote-host-name>
<router>true</router>
<network>false</network>
<p2p>true</p2p>
<p2mp>false</p2mp>
<gen-code>1391</gen-code>
<lsa-id>16777219</lsa-id>
<pending-delete>0</pending-delete>
<igp-metric>1</igp-metric>
<te-metric>1</te-metric>
<admin-group>0</admin-group>
<max-bandwidth>299999869</max-bandwidth>
<max-reservable-bandwidth>3000</max-reservable-bandwidth>
<unreserved-priority-0-bandwidth>3000</unreserved-priority-0-bandwidth>
<unreserved-priority-1-bandwidth>3000</unreserved-priority-1-bandwidth>
<unreserved-priority-2-bandwidth>3000</unreserved-priority-2-bandwidth>
<unreserved-priority-3-bandwidth>3000</unreserved-priority-3-bandwidth>
<unreserved-priority-4-bandwidth>3000</unreserved-priority-4-bandwidth>
<unreserved-priority-5-bandwidth>3000</unreserved-priority-5-bandwidth>
<unreserved-priority-6-bandwidth>3000</unreserved-priority-6-bandwidth>
<unreserved-priority-7-bandwidth>3000</unreserved-priority-7-bandwidth>
</link>
</node>
</area>
</database>
</te>

```

History

Release version	History
16r.1.00	This API call was introduced.

mpls-state/te/router-id-map

Displays the MPLS TE database SRLG or CSPF group operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/mpls-state/te/router-id-map	Displays the MPLS TE database SRLG or CSPF group operational information.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/mpls-state/te/router-id-map

Request Body

None

Response Body

```
<router-id-map xmlns="urn:brocade.com:mgmt:brocade-mpls-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/mpls-state/te/router-id-map/1.2.3.4">
  <ip-address>1.2.3.4</ip-address>
  <router-id>1.2.3.4</router-id>
  <resolved>true</resolved>
  <igp-isis>false</igp-isis>
  <igp-ospf>true</igp-ospf>
  <isis-level>0</isis-level>
  <ospf-area>0.0.0.0</ospf-area>
  <origin-ted>true</origin-ted>
  <origin-path>0</origin-path>
  <origin-lsp>21052</origin-lsp>
  <origin-other>false</origin-other>
</router-id-map>
```

History

Release version	History
16r.1.00	This API call was introduced.

openflow-state/detail

Retrieves Openflow operational information.

Resource URIs

URI	Description
<base_URI>/operational-state/openflow-state/detail	Displays openflow Operational Information in detail.
<base_URI>/operational-state/openflow-state/detail/admin-status	Displays whether Admin status is Enabled or Disabled.
<base_URI>/operational-state/openflow-state/detail/ssl-status	Displays whether SSL status is Enabled or Disabled.
<base_URI>/operational-state/openflow-state/detail/num-controllers	Displays number of controllers.
<base_URI>/operational-state/openflow-state/detail/data-path	Displays Data path.
<base_URI>/operational-state/openflow-state/detail/l2-match	Displays L2 match.
<base_URI>/operational-state/openflow-state/detail/l3-match	Displays L3 match.
<base_URI>/operational-state/openflow-state/detail/max-l2-flows	Displays maximum number of flows allowed.
<base_URI>/operational-state/openflow-state/detail/active-flows	Displays the number of active flows.
<base_URI>/operational-state/openflow-state/detail/enabled-ports	Displays Openflow enabled ports.
<base_URI>/operational-state/openflow-state/detail/default-action	Displays default action.
<base_URI>/operational-state/openflow-state/detail/controller-detail-list	Displays controller details.
<base_URI>/operational-state/openflow-state/detail/hybrid-interfaces	Displays hybrid interfaces.

Usage Guidelines

Only GET option is supported.

Examples

URI

http://host:80<base_URI>/operational-state/openflow-state/detail

Request Body

None

Response Body

```
<detail xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="rest/operational-state/openflow-state/detail">
  <admin-status>true</admin-status>
  <ssl-status>true</ssl-status>
  <num-controllers>2</num-controllers>
  <data-path>5f88e76000</data-path>
  <l2-match>Port, Source MAC, Destination MAC, Ether type, Vlan, Vlan PCP</l2-match>
  <l3-match>Port, Vlan, Vlan PCP, Ethertype, Source IP, Destination IP, IP Protocol, IP TOS,TCP/UDP Src
Port, TCP/UDP Dst Port</l3-match>
  <max-l2-flows>32768</max-l2-flows>
  <active-flows>2</active-flows>
  <enabled-ports>Eth 1/1, Eth 1/8, Eth 1/11, Eth 1/12, Eth 1/41, Eth 1/50, Eth 2/1, Eth 2/2, Eth 2/12,
Eth 2/31, Eth 2/32, Eth 2/35, Eth 2/48, Eth 2/66, Eth 2/68, </enabled-ports>
  <default-action>dcm-action-drop</default-action>
  <controller-detail-list y:self="rest/operational-state/openflow-state/detail/controller-detail-list/
0">
    <controller-idx>0</controller-idx>
    <controller-async-list y:self="rest/operational-state/openflow-state/detail/controller-detail-
list/0/controller-async-list/dcm-packet-in">
      <async-type>dcm-packet-in</async-type>
      <config-data>no-match|action</config-data>
    </controller-async-list>
    <controller-async-list y:self="rest/operational-state/openflow-state/detail/controller-detail-
list/0/controller-async-list/dcm-port-status">
      <async-type>dcm-port-status</async-type>
      <config-data>add|delete|modify</config-data>
    </controller-async-list>
    <controller-async-list y:self="rest/operational-state/openflow-state/detail/controller-detail-
list/0/controller-async-list/dcm-flow-removed">
      <async-type>dcm-flow-removed</async-type>
      <config-data>idle-timeout|hard-timeout|delete|group-delete</config-data>
    </controller-async-list>
    <controller-info y:self="rest/operational-state/openflow-state/detail/controller-detail-list/0/
controller-info">
      <name>spirent</name>
      <mode>dcm-connection-mode-active</mode>
      <type>ofv130</type>
      <connection-type>dcm-connection-type-tcp</connection-type>
      <ip-addr>11.1.1.2</ip-addr>
      <port>6633</port>
      <vrf-name>default-vrf</vrf-name>
      <status>dcm-ctrlr-status-tcp-connecting</status>
      <role>dcm-ctrlr-role-equal</role>
    </controller-info>
  </controller-detail-list>
  <controller-detail-list y:self="rest/operational-state/openflow-state/detail/controller-detail-list/
1">
    <controller-idx>1</controller-idx>
    <controller-async-list y:self="rest/operational-state/openflow-state/detail/controller-detail-
list/1/controller-async-list/dcm-packet-in">
      <async-type>dcm-packet-in</async-type>
      <config-data>no-match|action</config-data>
    </controller-async-list>
```

```

    <controller-async-list y:self="rest/operational-state/openflow-state/detail/controller-detail-
list/1/controller-async-list/dcm-port-status">
      <async-type>dcm-port-status</async-type>
      <config-data>add|delete|modify</config-data>
    </controller-async-list>
    <controller-async-list y:self="rest/operational-state/openflow-state/detail/controller-detail-
list/1/controller-async-list/dcm-flow-removed">
      <async-type>dcm-flow-removed</async-type>
      <config-data>idle-timeout|hard-timeout|delete|group-delete</config-data>
    </controller-async-list>
    <controller-info y:self="rest/operational-state/openflow-state/detail/controller-detail-list/1/
controller-info">
      <name>active</name>
      <mode>dcm-connection-mode-active</mode>
      <type>ofv130</type>
      <connection-type>dcm-connection-type-tcp</connection-type>
      <ip-addr>10.20.180.87</ip-addr>
      <port>6633</port>
      <vrf-name>mgmt-vrf</vrf-name>
      <status>dcm-ctrlr-status-close</status>
      <role>dcm-ctrlr-role-equal</role>
    </controller-info>
  </controller-detail-list>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
1/1%22">
    <hybrid-interface>Eth 1/1</hybrid-interface>
    <protected-vlans></protected-vlans>
  </hybrid-interfaces>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
1/8%22">
    <hybrid-interface>Eth 1/8</hybrid-interface>
    <protected-vlans></protected-vlans>
  </hybrid-interfaces>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
1/12%22">
    <hybrid-interface>Eth 1/12</hybrid-interface>
    <protected-vlans>Vlan 20, </protected-vlans>
  </hybrid-interfaces>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
2/2%22">
    <hybrid-interface>Eth 2/2</hybrid-interface>
    <protected-vlans></protected-vlans>
  </hybrid-interfaces>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
2/31%22">
    <hybrid-interface>Eth 2/31</hybrid-interface>
    <protected-vlans></protected-vlans>
  </hybrid-interfaces>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
2/35%22">
    <hybrid-interface>Eth 2/35</hybrid-interface>
    <protected-vlans></protected-vlans>
  </hybrid-interfaces>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
2/48%22">
    <hybrid-interface>Eth 2/48</hybrid-interface>
    <protected-vlans></protected-vlans>
  </hybrid-interfaces>
  <hybrid-interfaces y:self="rest/operational-state/openflow-state/detail/hybrid-interfaces/%22Eth
2/68%22">
    <hybrid-interface>Eth 2/68</hybrid-interface>
    <protected-vlans></protected-vlans>
  </hybrid-interfaces>
</detail>

```

History

Release version	History
16r.1.00	This API call was introduced.

openflow-state/controller

Retrieves openflow controller details.

Resource URIs

URI	Description
<base_URI>/operational-state/openflow-state/controller	
<base_URI>/operational-state/openflow-state/controller/passive/mode	
<base_URI>/operational-state/openflow-state/controller/spirent/mode	
<base_URI>/operational-state/openflow-state/controller/active/mode	
<base_URI>/operational-state/openflow-state/controller/passive/type	
<base_URI>/operational-state/openflow-state/controller/spirent/type	
<base_URI>/operational-state/openflow-state/controller/active/type	
<base_URI>/operational-state/openflow-state/controller/passive/connection-type	
<base_URI>/operational-state/openflow-state/controller/spirent/connection-type	
<base_URI>/operational-state/openflow-state/controller/active/connection-type	
<base_URI>/operational-state/openflow-state/controller/passive/ip-addr	
<base_URI>/operational-state/openflow-state/controller/spirent/ip-addr	
<base_URI>/operational-state/openflow-state/controller/active/ip-addr	
<base_URI>/operational-state/openflow-state/controller/passive/port	
<base_URI>/operational-state/openflow-state/controller/spirent/port	
<base_URI>/operational-state/openflow-state/controller/active/port	
<base_URI>/operational-state/openflow-state/controller/passive/vrf-name	
<base_URI>/operational-state/openflow-state/controller/spirent/vrf-name	
<base_URI>/operational-state/openflow-state/controller/active/vrf-name	
<base_URI>/operational-state/openflow-state/controller/passive/status	
<base_URI>/operational-state/openflow-state/controller/spirent/status	
<base_URI>/operational-state/openflow-state/controller/active/status	
<base_URI>/operational-state/openflow-state/controller/passive/role	
<base_URI>/operational-state/openflow-state/controller/spirent/role	
<base_URI>/operational-state/openflow-state/controller/active/role	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest//operational-state/openflow-state/controller

Request Body

None

Response Body

```
<controller xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="rest/operational-state/openflow-state/controller/passive">
  <name>passive</name>
  <mode>dcm-connection-mode-passive</mode>
  <type>ofv130</type>
  <connection-type>dcm-connection-type-tcp</connection-type>
  <ip-addr>0.0.0.0</ip-addr>
  <port>6633</port>
  <vrf-name>mgmt-vrf</vrf-name>
  <status>dcm-ctrlr-status-tcp-listening</status>
  <role>dcm-ctrlr-role-equal</role>
</controller>
<controller xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="rest/operational-state/openflow-state/controller/spirent">
  <name>spirent</name>
  <mode>dcm-connection-mode-active</mode>
  <type>ofv130</type>
  <connection-type>dcm-connection-type-tcp</connection-type>
  <ip-addr>11.1.1.2</ip-addr>
  <port>6633</port>
  <vrf-name>default-vrf</vrf-name>
  <status>dcm-ctrlr-status-openf-established</status>
  <role>dcm-ctrlr-role-equal</role>
</controller>
<controller xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="rest/operational-state/openflow-state/controller/active">
  <name>active</name>
  <mode>dcm-connection-mode-active</mode>
  <type>ofv130</type>
  <connection-type>dcm-connection-type-tcp</connection-type>
  <ip-addr>10.20.180.87</ip-addr>
  <port>6633</port>
  <vrf-name>mgmt-vrf</vrf-name>
  <status>dcm-ctrlr-status-openf-established</status>
  <role>dcm-ctrlr-role-equal</role>
</controller>
```

History

Release version	History
16r.1.00	This API call was introduced.

openflow-state/flow

Retrieves flow details.

Resource URIs

URI	Description
<base_URI>/operational-state/openflow-state/flow	
<base_URI>/operational-state/openflow-state/flow/data-packets-sent	
<base_URI>/operational-state/openflow-state/flow/data-bytes-sent	
<base_URI>/operational-state/openflow-state/flow/port-based-flows	
<base_URI>/operational-state/openflow-state/flow/hw-generic-flows	
<base_URI>/operational-state/openflow-state/flow/l2-interfaces	
<base_URI>/operational-state/openflow-state/flow/l3-interfaces	
<base_URI>/operational-state/openflow-state/flow/l23-interfaces	
<base_URI>/operational-state/openflow-state/flow/flow-info-list	
<base_URI>/operational-state/openflow-state/flow/flow-info-list/{id}	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/openflow-state/flow

Request Body

None

Response Body

```
<flow xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="rest/operational-state/openflow-state/flow">
  <data-packets-sent>0</data-packets-sent>
  <data-bytes-sent>0</data-bytes-sent>
  <port-based-flows>2</port-based-flows>
  <hw-generic-flows>0</hw-generic-flows>
  <l2-interfaces>0</l2-interfaces>
  <l3-interfaces>6</l3-interfaces>
  <l23-interfaces>9</l23-interfaces>
  <flow-info-list y:self="rest/operational-state/openflow-state/flow/flow-info-list/1">
    <flow-id>1</flow-id>
    <priority>32768</priority>
    <status>dcm-flow-programmed</status>
    <in-port>Eth 1/50</in-port>
    <in-vlan>Tagged[121]</in-vlan>
    <ether-type>0x800</ether-type>
    <source-ip>192.168.0.1</source-ip>
    <destination-ip>172.16.98.1</destination-ip>
    <instructions>APPLY-ACTION </instructions>
    <action-data>FORWARD</action-data>
    <meter-id>0</meter-id>
    <vlan-upbits>6</vlan-upbits>
    <source-ip-mask>255.255.255.0</source-ip-mask>
    <destination-ip-mask>255.255.255.0</destination-ip-mask>
    <total-packets>0</total-packets>
    <total-bytes>0</total-bytes>
    <flow-action-list y:self="rest/operational-state/openflow-state/flow/flow-info-list/1/flow-action-
list/1">
      <action-idx>1</action-idx>
      <out-ports>Eth 1/50</out-ports>
      <vlan-id>0</vlan-id>
      <action-vlan-upbits>0</action-vlan-upbits>
      <out-vlan-tag>dcm-vlan-action-pop</out-vlan-tag>
      <out-vlan-etype></out-vlan-etype>
    </flow-action-list>
    <flow-action-list y:self="rest/operational-state/openflow-state/flow/flow-info-list/1/flow-action-
list/2">
      <action-idx>2</action-idx>
      <out-ports>Eth 2/32</out-ports>
      <vlan-id>0</vlan-id>
      <action-vlan-upbits>0</action-vlan-upbits>
      <out-vlan-tag>dcm-vlan-action-pop</out-vlan-tag>
      <out-vlan-etype></out-vlan-etype>
    </flow-action-list>
  </flow-info-list>
</flow>
```

History

Release version	History
16.1.00	This API call was introduced.

openflow-state/group

Openflow group details.

Resource URIs

URI	Description
<base_URI>/operational-state/openflow-state/group	
<base_URI>/operational-state/openflow-state/group/max-groups	
<base_URI>/operational-state/openflow-state/group/max-bkts-per-group	
<base_URI>/operational-state/openflow-state/group/max-actions-per-bucket	
<base_URI>/operational-state/openflow-state/group/total-groups-all	
<base_URI>/operational-state/openflow-state/group/total-groups-select	
<base_URI>/operational-state/openflow-state/group/total-groups-indirect	
<base_URI>/operational-state/openflow-state/group/total-groups-fast-failover	
<base_URI>/operational-state/openflow-state/group/group-info-list	
<base_URI>/operational-state/openflow-state/group/group-info-list/(id)	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/openflow-state/group

Request Body

None

Response Body

```
<group xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="rest/operational-state/openflow-state/group">
  <max-groups>512</max-groups>
  <max-bkts-per-group>8</max-bkts-per-group>
  <max-actions-per-bucket>1</max-actions-per-bucket>
  <total-groups-all>1</total-groups-all>
  <total-groups-select>0</total-groups-select>
  <total-groups-indirect>0</total-groups-indirect>
  <total-groups-fast-failover>1</total-groups-fast-failover>
  <group-info-list y:self="rest/operational-state/openflow-state/group/group-info-list/1">
    <group-id>1</group-id>
    <transaction-id>4043243760 (f0ff00f0)</transaction-id>
    <group-type>dcm-group-type-fast-failover</group-type>
    <packet-count>0</packet-count>
    <byte-count>0</byte-count>
    <flow-count>0</flow-count>
    <num-of-bkts>8</num-of-bkts>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/1">
      <bucket-id>1</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 2/68</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/1/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/31, </out-port>
        <out-vlan-tag>dcm-vlan-action-pop</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/2">
      <bucket-id>2</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 2/12</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/2/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/32, </out-port>
        <out-vlan-tag>dcm-vlan-action-pop</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/3">
      <bucket-id>3</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 2/12</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/3/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/32, </out-port>
        <out-vlan-tag>dcm-vlan-action-pop</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
  </group-info-list>
</group>
```

```

    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/4">
      <bucket-id>4</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 1/8</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/4/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 1/1, </out-port>
        <vlan-id>200</vlan-id>
        <out-vlan-tag>dcm-vlan-action-set</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/5">
      <bucket-id>5</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 2/2</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/5/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/1, </out-port>
        <vlan-id>119</vlan-id>
        <out-vlan-tag>dcm-vlan-action-push</out-vlan-tag>
        <out-vlan-etype>0x8100</out-vlan-etype>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/6">
      <bucket-id>6</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 1/12</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/6/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 1/11, </out-port>
        <vlan-id>500</vlan-id>
        <out-vlan-tag>dcm-vlan-action-push</out-vlan-tag>
        <out-vlan-etype>0x8100</out-vlan-etype>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/7">
      <bucket-id>7</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 2/2</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/7/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 1/50, </out-port>
        <out-vlan-tag>enum=2147483647</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/8">
      <bucket-id>8</bucket-id>
      <weight>0</weight>
      <watch-port>Eth 2/35</watch-port>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/1/group-
bucket-list/8/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/32, </out-port>
        <vlan-id>500</vlan-id>
        <out-vlan-tag>dcm-vlan-action-push</out-vlan-tag>
        <out-vlan-etype>0x8100</out-vlan-etype>
      </group-action-list>
    </group-bucket-list>
  </group-info-list>
  <group-info-list y:self="rest/operational-state/openflow-state/group/group-info-list/21">
    <group-id>21</group-id>
    <transaction-id>4043243760 (f0ff00f0) </transaction-id>
    <group-type>dcm-group-type-all</group-type>

```

```

    <packet-count>0</packet-count>
    <byte-count>0</byte-count>
    <flow-count>0</flow-count>
    <num-of-bkts>7</num-of-bkts>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/1">
      <bucket-id>1</bucket-id>
      <weight>0</weight>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/1/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/32, </out-port>
        <out-vlan-tag>enum=2147483647</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/2">
      <bucket-id>2</bucket-id>
      <weight>0</weight>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/2/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/31, </out-port>
        <out-vlan-tag>enum=2147483647</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/3">
      <bucket-id>3</bucket-id>
      <weight>0</weight>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/3/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 1/41, </out-port>
        <vlan-id>200</vlan-id>
        <out-vlan-tag>dcm-vlan-action-push</out-vlan-tag>
        <out-vlan-etype>0x8100</out-vlan-etype>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/4">
      <bucket-id>4</bucket-id>
      <weight>0</weight>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/4/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 1/50, </out-port>
        <out-vlan-tag>dcm-vlan-action-pop</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/5">
      <bucket-id>5</bucket-id>
      <weight>0</weight>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/5/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/68, </out-port>
        <vlan-id>200</vlan-id>
        <out-vlan-tag>dcm-vlan-action-set</out-vlan-tag>
      </group-action-list>
    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/6">
      <bucket-id>6</bucket-id>
      <weight>0</weight>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/6/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/12, </out-port>
        <out-vlan-tag>dcm-vlan-action-pop</out-vlan-tag>
      </group-action-list>

```



```

    </group-bucket-list>
    <group-bucket-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/7">
      <bucket-id>7</bucket-id>
      <weight>0</weight>
      <group-action-list y:self="rest/operational-state/openflow-state/group/group-info-list/21/group-
bucket-list/7/group-action-list/1">
        <action-id>1</action-id>
        <out-port>Eth 2/31, </out-port>
        <vlan-id>200</vlan-id>
        <out-vlan-tag>dcm-vlan-action-push</out-vlan-tag>
        <out-vlan-etype>0x8100</out-vlan-etype>
      </group-action-list>
    </group-bucket-list>
  </group-info-list>
</group>

```

History

Release version	History
	This API call was introduced.
	This API call was modified to..

openflow-state/interface

Openflow interface details.

Resource URIs

URI	Description
<base_URI>/operational-state/openflow-state/interface	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/openflow-state/interface

Request Body

None

Response Body

```
<interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 1/1%22">
  <port>Eth 1/1</port>
  <link>true</link>
  <port-state>dcm-port-state-forward</port-state>
  <speed>dcm-port-speed-hundredgig</speed>
  <mac>768e.f805.3805</mac>
  <port-id>1</port-id>
  <mode>dcm-port-mode-hybrid-123</mode>
</interface>
<interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 1/8%22">
  <port>Eth 1/8</port>
  <link>true</link>
  <port-state>dcm-port-state-forward</port-state>
  <speed>dcm-port-speed-hundredgig</speed>
  <mac>768e.f805.380c</mac>
  <port-id>8</port-id>
  <mode>dcm-port-mode-hybrid-13</mode>
</interface>
<interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 1/11%22">
  <port>Eth 1/11</port>
  <link>false</link>
  <port-state>dcm-port-state-forward</port-state>
  <speed>dcm-port-speed-hundredgig</speed>
  <mac>768e.f805.380f</mac>
  <port-id>11</port-id>
  <mode>dcm-port-mode-123</mode>
</interface>
<interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 1/12%22">
  <port>Eth 1/12</port>
  <link>true</link>
  <port-state>dcm-port-state-forward</port-state>
  <speed>dcm-port-speed-hundredgig</speed>
  <mac>768e.f805.3810</mac>
  <port-id>12</port-id>
  <mode>dcm-port-mode-hybrid-123</mode>
</interface>
<interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 1/41%22">
  <port>Eth 1/41</port>
  <link>true</link>
  <port-state>dcm-port-state-forward</port-state>
  <speed>dcm-port-speed-fortygig</speed>
  <mac>768e.f805.382d</mac>
  <port-id>164</port-id>
  <mode>dcm-port-mode-13</mode>
</interface>
<interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 1/50%22">
  <port>Eth 1/50</port>
```

```

    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-fortygig</speed>
    <mac>768e.f805.3836</mac>
    <port-id>200</port-id>
    <mode>dcm-port-mode-l3</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/1%22">
    <port>Eth 2/1</port>
    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.38f5</mac>
    <port-id>385</port-id>
    <mode>dcm-port-mode-l23</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/2%22">
    <port>Eth 2/2</port>
    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.38f6</mac>
    <port-id>386</port-id>
    <mode>dcm-port-mode-hybrid-l23</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/12%22">
    <port>Eth 2/12</port>
    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.3900</mac>
    <port-id>396</port-id>
    <mode>dcm-port-mode-l3</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/31%22">
    <port>Eth 2/31</port>
    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.3913</mac>
    <port-id>415</port-id>
    <mode>dcm-port-mode-hybrid-l3</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/32%22">
    <port>Eth 2/32</port>
    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.3914</mac>
    <port-id>416</port-id>
    <mode>dcm-port-mode-l3</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/35%22">
    <port>Eth 2/35</port>
    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.3917</mac>
    <port-id>419</port-id>
    <mode>dcm-port-mode-hybrid-l23</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/48%22">
    <port>Eth 2/48</port>
    <link>true</link>
    <port-state>dcm-port-state-forward</port-state>

```

```

    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.3924</mac>
    <port-id>432</port-id>
    <mode>dcm-port-mode-hybrid-123</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/66%22">
    <port>Eth 2/66</port>
    <link>false</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.3936</mac>
    <port-id>450</port-id>
    <mode>dcm-port-mode-123</mode>
  </interface>
  <interface xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/openflow-state/interface/%22Eth 2/68%22">
    <port>Eth 2/68</port>
    <link>false</link>
    <port-state>dcm-port-state-forward</port-state>
    <speed>dcm-port-speed-tengig</speed>
    <mac>768e.f805.3938</mac>
    <port-id>452</port-id>
    <mode>dcm-port-mode-hybrid-123</mode>
  </interface>

```

History

Release version	History
16r.1.00	This API call was introduced.

openflow-state/meter

Openflow meter details.

Resource URIs

URI	Description
<base_URI>/operational-state/openflow-state/meter	
<base_URI>/operational-state/openflow-state/meter/num-of-meters	
<base_URI>/operational-state/openflow-state/meter/meter-info-list	
<base_URI>/operational-state/openflow-state/meter/meter-info-list/ (id)	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/openflow-state/meter

Request Body

None

Response Body

```
<meter xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/openflow-state/meter">
  <num-of-meters>8</num-of-meters>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/65">
    <meter-id>65</meter-id>
    <transaction-id>4043243760</transaction-id>
    <meterflags-type> KBPS BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>
    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/65/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>10000000</rate>
      <burst-size>1275</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/66">
    <meter-id>66</meter-id>
    <transaction-id>4043243760</transaction-id>
```

```

    <meterflags-type> KBPS BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>
    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/66/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>10000000</rate>
      <burst-size>1250</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/112">
    <meter-id>112</meter-id>
    <transaction-id>4043243760</transaction-id>
    <meterflags-type> BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>
    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/112/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>5000000</rate>
      <burst-size>1150</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/113">
    <meter-id>113</meter-id>
    <transaction-id>4043243760</transaction-id>
    <meterflags-type> BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>
    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/113/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>4000000</rate>
      <burst-size>1900</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/114">
    <meter-id>114</meter-id>
    <transaction-id>4043243760</transaction-id>
    <meterflags-type> BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>
    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/114/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>6000000</rate>
      <burst-size>1200</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/115">
    <meter-id>115</meter-id>
    <transaction-id>4043243760</transaction-id>
    <meterflags-type> BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>

```

```

    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/115/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>8000000</rate>
      <burst-size>1292</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/116">
    <meter-id>116</meter-id>
    <transaction-id>4043243760</transaction-id>
    <meterflags-type> BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>
    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/116/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>9000000</rate>
      <burst-size>1350</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
  <meter-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/192">
    <meter-id>192</meter-id>
    <transaction-id>4043243760</transaction-id>
    <meterflags-type> BURST</meterflags-type>
    <flow-count>0</flow-count>
    <num-of-bands>1</num-of-bands>
    <in-packet-count>0</in-packet-count>
    <in-byte-count>0</in-byte-count>
    <meterband-info-list y:self="/rest/operational-state/openflow-state/meter/meter-info-list/192/
meterband-info-list/1">
      <band-type>1</band-type>
      <rate>3000000</rate>
      <burst-size>2000</burst-size>
      <in-packet-band-count>0</in-packet-band-count>
      <in-byte-band-count>0</in-byte-band-count>
    </meterband-info-list>
  </meter-info-list>
</meter>

```

History

Release version	History
16r.1.00	This API call was introduced.

openflow-state/resources

Openflow resources.

Resource URIs

URI	Description
<base_URI>/operational-state/openflow-state/resources	
<base_URI>/operational-state/openflow-state/resources/meter-max	
<base_URI>/operational-state/openflow-state/resources/meter-used	
<base_URI>/operational-state/openflow-state/resources/meter-free	
<base_URI>/operational-state/openflow-state/resources/tcam-profile	
<base_URI>/operational-state/openflow-state/resources/group-resources-list	
<base_URI>/operational-state/openflow-state/resources/slot-resources-list	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/openflow-state/resources

Request Body

None

Response Body

```
<resources xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" xmlns:y="http://brocade.com/ns/
rest" y:self="/rest/operational-state/openflow-state/resources">
  <meter-max>1023</meter-max>
  <meter-used>8</meter-used>
  <meter-free>1015</meter-free>
  <tcam-profile>Openflow Optimized 2</tcam-profile>
  <group-resouces-list y:self="/rest/operational-state/openflow-state/resources/group-resouces-list/dcm-
group-type-all">
    <group-type>dcm-group-type-all</group-type>
    <max>512</max>
    <used>1</used>
    <free>511</free>
  </group-resouces-list>
  <slot-resouces-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-list/1">
    <slot-id>1</slot-id>
    <module>slot 1</module>
    <slot-match-profile-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/1/slot-match-profile-list/1">
      <slot-match-profile-idx>1</slot-match-profile-idx>
      <max-flows>8192</max-flows>
      <used-flows>2</used-flows>
      <free-flows>8190</free-flows>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/1/slot-match-profile-list/1/slot-chip-resource-list/0">
      <slot-chip-idx>0</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/1/slot-match-profile-list/1/slot-chip-resource-list/1">
      <slot-chip-idx>1</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/1/slot-match-profile-list/1/slot-chip-resource-list/2">
      <slot-chip-idx>2</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/1/slot-match-profile-list/1/slot-chip-resource-list/3">
      <slot-chip-idx>3</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>1</used-flows>
      <free-flows>4095</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/1/slot-match-profile-list/1/slot-chip-resource-list/4">
      <slot-chip-idx>4</slot-chip-idx>
```

```

    <max-flows>4096</max-flows>
    <used-flows>1</used-flows>
    <free-flows>4095</free-flows>
  </slot-chip-resource-list>
  <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/1/slot-match-profile-list/1/slot-chip-resource-list/5">
    <slot-chip-idx>5</slot-chip-idx>
    <max-flows>4096</max-flows>
    <used-flows>0</used-flows>
    <free-flows>4096</free-flows>
  </slot-chip-resource-list>
</slot-match-profile-list>
</slot-resouces-list>
<slot-resouces-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-list/2">
  <slot-id>2</slot-id>
  <module>slot 2</module>
  <slot-match-profile-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/2/slot-match-profile-list/1">
    <slot-match-profile-idx>1</slot-match-profile-idx>
    <max-flows>8192</max-flows>
    <used-flows>0</used-flows>
    <free-flows>8192</free-flows>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/2/slot-match-profile-list/1/slot-chip-resource-list/0">
      <slot-chip-idx>0</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/2/slot-match-profile-list/1/slot-chip-resource-list/1">
      <slot-chip-idx>1</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/2/slot-match-profile-list/1/slot-chip-resource-list/2">
      <slot-chip-idx>2</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/2/slot-match-profile-list/1/slot-chip-resource-list/3">
      <slot-chip-idx>3</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/2/slot-match-profile-list/1/slot-chip-resource-list/4">
      <slot-chip-idx>4</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/2/slot-match-profile-list/1/slot-chip-resource-list/5">
      <slot-chip-idx>5</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
  </slot-match-profile-list>
</slot-resouces-list>
<slot-resouces-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-list/3">
  <slot-id>3</slot-id>
  <module>slot 3</module>
  <slot-match-profile-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/3/slot-match-profile-list/1">
    <slot-match-profile-idx>1</slot-match-profile-idx>

```

```

    <max-flows>8192</max-flows>
    <used-flows>0</used-flows>
    <free-flows>8192</free-flows>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/3/slot-match-profile-list/1/slot-chip-resource-list/0">
      <slot-chip-idx>0</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/3/slot-match-profile-list/1/slot-chip-resource-list/1">
      <slot-chip-idx>1</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/3/slot-match-profile-list/1/slot-chip-resource-list/2">
      <slot-chip-idx>2</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/3/slot-match-profile-list/1/slot-chip-resource-list/3">
      <slot-chip-idx>3</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/3/slot-match-profile-list/1/slot-chip-resource-list/4">
      <slot-chip-idx>4</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/3/slot-match-profile-list/1/slot-chip-resource-list/5">
      <slot-chip-idx>5</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
  </slot-match-profile-list>
</slot-resources-list>
<slot-resources-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-list/4">
  <slot-id>4</slot-id>
  <module>slot 4</module>
  <slot-match-profile-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/4/slot-match-profile-list/1">
    <slot-match-profile-idx>1</slot-match-profile-idx>
    <max-flows>8192</max-flows>
    <used-flows>0</used-flows>
    <free-flows>8192</free-flows>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/4/slot-match-profile-list/1/slot-chip-resource-list/0">
      <slot-chip-idx>0</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/4/slot-match-profile-list/1/slot-chip-resource-list/1">
      <slot-chip-idx>1</slot-chip-idx>
      <max-flows>4096</max-flows>
      <used-flows>0</used-flows>
      <free-flows>4096</free-flows>
    </slot-chip-resource-list>
    <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resources-
list/4/slot-match-profile-list/1/slot-chip-resource-list/2">

```

```

    <slot-chip-idx>2</slot-chip-idx>
    <max-flows>4096</max-flows>
    <used-flows>0</used-flows>
    <free-flows>4096</free-flows>
  </slot-chip-resource-list>
  <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/4/slot-match-profile-list/1/slot-chip-resource-list/3">
    <slot-chip-idx>3</slot-chip-idx>
    <max-flows>4096</max-flows>
    <used-flows>0</used-flows>
    <free-flows>4096</free-flows>
  </slot-chip-resource-list>
  <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/4/slot-match-profile-list/1/slot-chip-resource-list/4">
    <slot-chip-idx>4</slot-chip-idx>
    <max-flows>4096</max-flows>
    <used-flows>0</used-flows>
    <free-flows>4096</free-flows>
  </slot-chip-resource-list>
  <slot-chip-resource-list y:self="/rest/operational-state/openflow-state/resources/slot-resouces-
list/4/slot-match-profile-list/1/slot-chip-resource-list/5">
    <slot-chip-idx>5</slot-chip-idx>
    <max-flows>4096</max-flows>
    <used-flows>0</used-flows>
    <free-flows>4096</free-flows>
  </slot-chip-resource-list>
</slot-match-profile-list>
</slot-resouces-list>
</resources>

```

History

Release version	History
16r.1.00	This API call was introduced.

overlay-transit-state

Displays Vxlan transit information.

Resource URIs

URI	Description
<base_URI>/operational-state/overlay-transit-state/{name}/binded-overlay-acl	Displays Vxlan transit information.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/overlay-transit-state/test/binded-overlay-acl

Request Body

None

Response Body

History

Release version	History
16r.1.00	This API call was introduced.

qos-mpls-state

Displays the MPLS Quality of Service status.

Resource URIs

URI	Description
<base_URI>/operational-state/qos-mpls-state	Displays the MPLS Quality of Service status.
<base_URI>/operational-state/qos-mpls-state/exp-dscp	Displays the status of the qos-mpls map of type exp-dscp applied on the device.
<base_URI>/operational-state/qos-mpls-state/exp-dscp/enabled-slots	Displays the status of the enabled slots for the qos-mpls map of type exp-dscp applied.
<base_URI>/operational-state/qos-mpls-state/exp-dscp/traffic-class	Displays the traffic-class status for the qos-mpls map of type exp-dscp applied.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/qos-mpls-state/exp-dscp

Request Body

None

Response Body

```
<qos-mpls-state xmlns="urn:brocade.com:mgmt:brocade-qos-operational" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/operational-state/qos-mpls-state/exp-dscp">
  <map-type>exp-dscp</map-type>
  <map-name>mmmm</map-name>
  <enabled-slots></enabled-slots>
  <exp>0 1 2 3 4 5 6 7</exp>
  <dscp>0 7 5 24 32 40 48 56</dscp>
</qos-mpls-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

queues-state

Queue state.

Resource URIs

URI	Description
<base_URI>/operational-state/queues-state	
<base_URI>/operational-state/queues-state/queue-interface-list	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/queues-state

Request Body

None

Response Body

```
<data xmlns="http://brocade.com/ns/rest" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running">
<queues-state xmlns="urn:brocade.com:mgmt:brocade-openflow-operational" y:self="/rest/operational-state/queues-state">
  <queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22">
    <interface-value>Eth 1/1</interface-value>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C0">
      <interface>Eth 1/1</interface>
      <num>0</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C1">
      <interface>Eth 1/1</interface>
      <num>1</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C2">
      <interface>Eth 1/1</interface>
      <num>2</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C3">
      <interface>Eth 1/1</interface>
      <num>3</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C4">
      <interface>Eth 1/1</interface>
      <num>4</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C5">
      <interface>Eth 1/1</interface>
      <num>5</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C6">
      <interface>Eth 1/1</interface>
      <num>6</num>
    </queue-info-list>
  </queue-interface-list>
</queues-state>
</data>
```

```

        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/1%22/queue-info-list/%22Eth 1/1%22%2C7">
        <interface>Eth 1/1</interface>
        <num>7</num>
        <tx-packets>7114</tx-packets>
        <tx-bytes>547777</tx-bytes>
    </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22">
    <interface-value>Eth 1/8</interface-value>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C0">
        <interface>Eth 1/8</interface>
        <num>0</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C1">
        <interface>Eth 1/8</interface>
        <num>1</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C2">
        <interface>Eth 1/8</interface>
        <num>2</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C3">
        <interface>Eth 1/8</interface>
        <num>3</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C4">
        <interface>Eth 1/8</interface>
        <num>4</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C5">
        <interface>Eth 1/8</interface>
        <num>5</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C6">
        <interface>Eth 1/8</interface>
        <num>6</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/8%22/queue-info-list/%22Eth 1/8%22%2C7">
        <interface>Eth 1/8</interface>
        <num>7</num>
        <tx-packets>7114</tx-packets>
        <tx-bytes>547777</tx-bytes>
    </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth

```

```

1/11%22">
  <interface-value>Eth 1/11</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C0">
    <interface>Eth 1/11</interface>
    <num>0</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C1">
    <interface>Eth 1/11</interface>
    <num>1</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C2">
    <interface>Eth 1/11</interface>
    <num>2</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C3">
    <interface>Eth 1/11</interface>
    <num>3</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C4">
    <interface>Eth 1/11</interface>
    <num>4</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C5">
    <interface>Eth 1/11</interface>
    <num>5</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C6">
    <interface>Eth 1/11</interface>
    <num>6</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/11%22/
queue-info-list/%22Eth 1/11%22%2C7">
    <interface>Eth 1/11</interface>
    <num>7</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
1/12%22">
  <interface-value>Eth 1/12</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C0">
    <interface>Eth 1/12</interface>
    <num>0</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C1">
    <interface>Eth 1/12</interface>

```

```

        <num>1</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C2">
        <interface>Eth 1/12</interface>
        <num>2</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C3">
        <interface>Eth 1/12</interface>
        <num>3</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C4">
        <interface>Eth 1/12</interface>
        <num>4</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C5">
        <interface>Eth 1/12</interface>
        <num>5</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C6">
        <interface>Eth 1/12</interface>
        <num>6</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/12%22/
queue-info-list/%22Eth 1/12%22%2C7">
        <interface>Eth 1/12</interface>
        <num>7</num>
        <tx-packets>7113</tx-packets>
        <tx-bytes>561927</tx-bytes>
    </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
1/41%22">
    <interface-value>Eth 1/41</interface-value>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/
queue-info-list/%22Eth 1/41%22%2C0">
        <interface>Eth 1/41</interface>
        <num>0</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/
queue-info-list/%22Eth 1/41%22%2C1">
        <interface>Eth 1/41</interface>
        <num>1</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/
queue-info-list/%22Eth 1/41%22%2C2">
        <interface>Eth 1/41</interface>
        <num>2</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/

```

```

queue-info-list/%22Eth 1/41%22%2C3">
  <interface>Eth 1/41</interface>
  <num>3</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/
queue-info-list/%22Eth 1/41%22%2C4">
  <interface>Eth 1/41</interface>
  <num>4</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/
queue-info-list/%22Eth 1/41%22%2C5">
  <interface>Eth 1/41</interface>
  <num>5</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/
queue-info-list/%22Eth 1/41%22%2C6">
  <interface>Eth 1/41</interface>
  <num>6</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/41%22/
queue-info-list/%22Eth 1/41%22%2C7">
  <interface>Eth 1/41</interface>
  <num>7</num>
  <tx-packets>7113</tx-packets>
  <tx-bytes>561927</tx-bytes>
</queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
1/50%22">
  <interface-value>Eth 1/50</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C0">
  <interface>Eth 1/50</interface>
  <num>0</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C1">
  <interface>Eth 1/50</interface>
  <num>1</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C2">
  <interface>Eth 1/50</interface>
  <num>2</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C3">
  <interface>Eth 1/50</interface>
  <num>3</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C4">
  <interface>Eth 1/50</interface>
  <num>4</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>

```

```

    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C5">
      <interface>Eth 1/50</interface>
      <num>5</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C6">
      <interface>Eth 1/50</interface>
      <num>6</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 1/50%22/
queue-info-list/%22Eth 1/50%22%2C7">
      <interface>Eth 1/50</interface>
      <num>7</num>
      <tx-packets>7113</tx-packets>
      <tx-bytes>561927</tx-bytes>
    </queue-info-list>
  </queue-interface-list>
  <queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
2/1%22">
    <interface-value>Eth 2/1</interface-value>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C0">
      <interface>Eth 2/1</interface>
      <num>0</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C1">
      <interface>Eth 2/1</interface>
      <num>1</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C2">
      <interface>Eth 2/1</interface>
      <num>2</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C3">
      <interface>Eth 2/1</interface>
      <num>3</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C4">
      <interface>Eth 2/1</interface>
      <num>4</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C5">
      <interface>Eth 2/1</interface>
      <num>5</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C6">
      <interface>Eth 2/1</interface>
      <num>6</num>

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        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/1%22/
queue-info-list/%22Eth 2/1%22%2C7">
        <interface>Eth 2/1</interface>
        <num>7</num>
        <tx-packets>8687</tx-packets>
        <tx-bytes>668899</tx-bytes>
    </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
2/2%22">
    <interface-value>Eth 2/2</interface-value>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C0">
        <interface>Eth 2/2</interface>
        <num>0</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C1">
        <interface>Eth 2/2</interface>
        <num>1</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C2">
        <interface>Eth 2/2</interface>
        <num>2</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C3">
        <interface>Eth 2/2</interface>
        <num>3</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C4">
        <interface>Eth 2/2</interface>
        <num>4</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C5">
        <interface>Eth 2/2</interface>
        <num>5</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C6">
        <interface>Eth 2/2</interface>
        <num>6</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/2%22/
queue-info-list/%22Eth 2/2%22%2C7">
        <interface>Eth 2/2</interface>
        <num>7</num>
        <tx-packets>8693</tx-packets>
        <tx-bytes>669355</tx-bytes>
    </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth

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2/12%22">
  <interface-value>Eth 2/12</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C0">
    <interface>Eth 2/12</interface>
    <num>0</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C1">
    <interface>Eth 2/12</interface>
    <num>1</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C2">
    <interface>Eth 2/12</interface>
    <num>2</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C3">
    <interface>Eth 2/12</interface>
    <num>3</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C4">
    <interface>Eth 2/12</interface>
    <num>4</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C5">
    <interface>Eth 2/12</interface>
    <num>5</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C6">
    <interface>Eth 2/12</interface>
    <num>6</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/12%22/
queue-info-list/%22Eth 2/12%22%2C7">
    <interface>Eth 2/12</interface>
    <num>7</num>
    <tx-packets>8683</tx-packets>
    <tx-bytes>685957</tx-bytes>
  </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
2/31%22">
  <interface-value>Eth 2/31</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/
queue-info-list/%22Eth 2/31%22%2C0">
    <interface>Eth 2/31</interface>
    <num>0</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/
queue-info-list/%22Eth 2/31%22%2C1">
    <interface>Eth 2/31</interface>

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    <num>1</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/queue-info-list/%22Eth 2/31%22%2C2">
    <interface>Eth 2/31</interface>
    <num>2</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/queue-info-list/%22Eth 2/31%22%2C3">
    <interface>Eth 2/31</interface>
    <num>3</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/queue-info-list/%22Eth 2/31%22%2C4">
    <interface>Eth 2/31</interface>
    <num>4</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/queue-info-list/%22Eth 2/31%22%2C5">
    <interface>Eth 2/31</interface>
    <num>5</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/queue-info-list/%22Eth 2/31%22%2C6">
    <interface>Eth 2/31</interface>
    <num>6</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/31%22/queue-info-list/%22Eth 2/31%22%2C7">
    <interface>Eth 2/31</interface>
    <num>7</num>
    <tx-packets>8683</tx-packets>
    <tx-bytes>685957</tx-bytes>
  </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22">
  <interface-value>Eth 2/32</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/queue-info-list/%22Eth 2/32%22%2C0">
    <interface>Eth 2/32</interface>
    <num>0</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/queue-info-list/%22Eth 2/32%22%2C1">
    <interface>Eth 2/32</interface>
    <num>1</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/queue-info-list/%22Eth 2/32%22%2C2">
    <interface>Eth 2/32</interface>
    <num>2</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/

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queue-info-list/%22Eth 2/32%22%2C3">
  <interface>Eth 2/32</interface>
  <num>3</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/
queue-info-list/%22Eth 2/32%22%2C4">
  <interface>Eth 2/32</interface>
  <num>4</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/
queue-info-list/%22Eth 2/32%22%2C5">
  <interface>Eth 2/32</interface>
  <num>5</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/
queue-info-list/%22Eth 2/32%22%2C6">
  <interface>Eth 2/32</interface>
  <num>6</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/32%22/
queue-info-list/%22Eth 2/32%22%2C7">
  <interface>Eth 2/32</interface>
  <num>7</num>
  <tx-packets>8683</tx-packets>
  <tx-bytes>685957</tx-bytes>
</queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
2/35%22">
  <interface-value>Eth 2/35</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C0">
  <interface>Eth 2/35</interface>
  <num>0</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C1">
  <interface>Eth 2/35</interface>
  <num>1</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C2">
  <interface>Eth 2/35</interface>
  <num>2</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C3">
  <interface>Eth 2/35</interface>
  <num>3</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>
</queue-info-list>
<queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C4">
  <interface>Eth 2/35</interface>
  <num>4</num>
  <tx-packets>0</tx-packets>
  <tx-bytes>0</tx-bytes>

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    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C5">
      <interface>Eth 2/35</interface>
      <num>5</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C6">
      <interface>Eth 2/35</interface>
      <num>6</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/35%22/
queue-info-list/%22Eth 2/35%22%2C7">
      <interface>Eth 2/35</interface>
      <num>7</num>
      <tx-packets>8687</tx-packets>
      <tx-bytes>686273</tx-bytes>
    </queue-info-list>
  </queue-interface-list>
  <queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth
2/48%22">
    <interface-value>Eth 2/48</interface-value>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/
queue-info-list/%22Eth 2/48%22%2C0">
      <interface>Eth 2/48</interface>
      <num>0</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/
queue-info-list/%22Eth 2/48%22%2C1">
      <interface>Eth 2/48</interface>
      <num>1</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/
queue-info-list/%22Eth 2/48%22%2C2">
      <interface>Eth 2/48</interface>
      <num>2</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/
queue-info-list/%22Eth 2/48%22%2C3">
      <interface>Eth 2/48</interface>
      <num>3</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/
queue-info-list/%22Eth 2/48%22%2C4">
      <interface>Eth 2/48</interface>
      <num>4</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/
queue-info-list/%22Eth 2/48%22%2C5">
      <interface>Eth 2/48</interface>
      <num>5</num>
      <tx-packets>0</tx-packets>
      <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/
queue-info-list/%22Eth 2/48%22%2C6">
      <interface>Eth 2/48</interface>
      <num>6</num>

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        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/48%22/queue-info-list/%22Eth 2/48%22%2C7">
        <interface>Eth 2/48</interface>
        <num>7</num>
        <tx-packets>8691</tx-packets>
        <tx-bytes>686583</tx-bytes>
    </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22">
    <interface-value>Eth 2/66</interface-value>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C0">
        <interface>Eth 2/66</interface>
        <num>0</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C1">
        <interface>Eth 2/66</interface>
        <num>1</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C2">
        <interface>Eth 2/66</interface>
        <num>2</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C3">
        <interface>Eth 2/66</interface>
        <num>3</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C4">
        <interface>Eth 2/66</interface>
        <num>4</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C5">
        <interface>Eth 2/66</interface>
        <num>5</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C6">
        <interface>Eth 2/66</interface>
        <num>6</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
    <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/66%22/queue-info-list/%22Eth 2/66%22%2C7">
        <interface>Eth 2/66</interface>
        <num>7</num>
        <tx-packets>0</tx-packets>
        <tx-bytes>0</tx-bytes>
    </queue-info-list>
</queue-interface-list>
<queue-interface-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth

```

```

2/68%22">
  <interface-value>Eth 2/68</interface-value>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C0">
    <interface>Eth 2/68</interface>
    <num>0</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C1">
    <interface>Eth 2/68</interface>
    <num>1</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C2">
    <interface>Eth 2/68</interface>
    <num>2</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C3">
    <interface>Eth 2/68</interface>
    <num>3</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C4">
    <interface>Eth 2/68</interface>
    <num>4</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C5">
    <interface>Eth 2/68</interface>
    <num>5</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C6">
    <interface>Eth 2/68</interface>
    <num>6</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
  <queue-info-list y:self="/rest/operational-state/queues-state/queue-interface-list/%22Eth 2/68%22/
queue-info-list/%22Eth 2/68%22%2C7">
    <interface>Eth 2/68</interface>
    <num>7</num>
    <tx-packets>0</tx-packets>
    <tx-bytes>0</tx-bytes>
  </queue-info-list>
</queue-interface-list>
</queues-state>
</data>

```

History

Release version	History
16r.1.00	This API call was introduced.

sfm-state

Retrieves SFM state information.

Resource URIs

URI	Description
<base_URI>/operational-state/sfm-state	
<base_URI>/operational-state/sfm-state/mcast	
<base_URI>/operational-state/sfm-state/statistics	
<base_URI>/operational-state/sfm-state/links	
<base_URI>/operational-state/sfm-state/queue	
<base_URI>/operational-state/sfm-state/thresholds	
<base_URI>/operational-state/sfm-state/connectivity	
<base_URI>/operational-state/sfm-state/serdesmode	

Usage Guidelines

Only GET operation is supported.

History

Release version	History
16r.1.00	This API call was introduced.

spf-log-state

Displays ISIS IPv4 or IPv6 SPF LOG information.

Resource URIs

URI	Description
<base_URI>/rest/operational-state/spf-log-state	Displays ISIS IPv4 or IPv6 SPF LOG information.
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels	ISIS SPF LOG Level (Level-1 and level-2
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/log-counts	Number of logs
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-trigger-count	Number of SPF triggers and run currently
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/node-count	Number of nodes SPF traversed in a given SPF run
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events	Displays number of peers.
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/isis-spf-log-reason	Displays number of clients.
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/isis-lsp-name	ISIS SPF LSP Name
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/brief-reason	ISIS SPF reason
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/event-count	
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/node-count	
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/time-stamp-ms	Time stamp in hundred millisecond
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/duration-ms	SPF run time
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/ipv4-routes	
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/ipv6-routes	
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/first-trigger-change	Add, delete or modify event
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/first-trigger-time-stamp-ms	Time stamp in hundred millisecond
<base_URI>/rest/operational-state/spf-log-state/{spf-log-version}/spf-log-levels/{level}/spf-log-events/{spf-log-index}/first-trigger-detail-reason	Decoded reason for the event

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/spf-log-state

Request Body

None

Response Body

```
<spf-log-state xmlns="urn:brocade.com:mgmt:brocade-isis-operational" y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi">
  <spf-log-version>isis-ipv4-unicast-safi</spf-log-version>
  <spf-log-levels y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/isis-level1">
    <level>isis-level1</level>
    <log-counts>4</log-counts>
    <spf-trigger-count>0</spf-trigger-count>
    <node-count>2</node-count>
    <spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/isis-level1/spf-log-events/0">
      <spf-log-index>0</spf-log-index>
      <isis-spf-log-reason>isis-spf-reason-ppspf-new-lsp</isis-spf-log-reason>
      <isis-lsp-name>IXIA1101.00-00</isis-lsp-name>
      <brief-reason>LSP Added</brief-reason>
      <event-count>1</event-count>
      <node-count>2</node-count>
      <time-stamp-ms>1555</time-stamp-ms>
      <duration-ms>9</duration-ms>
      <ipv4-routes>11</ipv4-routes>
      <ipv6-routes>11</ipv6-routes>
      <first-trigger-change>Modified</first-trigger-change>
      <first-trigger-time-stamp-ms>375738</first-trigger-time-stamp-ms>
      <first-trigger-detail-reason>2m40s LSP IXIA1101.00-00 Added</first-trigger-detail-reason>
      <last-trigger-change></last-trigger-change>
      <last-trigger-time-stamp-ms>0</last-trigger-time-stamp-ms>
      <last-trigger-detail-reason></last-trigger-detail-reason>
    </spf-log-events>
    <spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/isis-level1/spf-log-events/1">
      <spf-log-index>1</spf-log-index>
      <isis-spf-log-reason>isis-spf-reason-adj-state-chg</isis-spf-log-reason>
      <isis-lsp-name>Fusion1.00-00</isis-lsp-name>
      <brief-reason>Adjacency State Change</brief-reason>
      <event-count>4</event-count>
      <node-count>1</node-count>
      <time-stamp-ms>1678</time-stamp-ms>
      <duration-ms>0</duration-ms>
      <ipv4-routes>0</ipv4-routes>
      <ipv6-routes>0</ipv6-routes>
      <first-trigger-change>Modified</first-trigger-change>
      <first-trigger-time-stamp-ms>375545</first-trigger-time-stamp-ms>
      <first-trigger-detail-reason>2m50s Reverse metric changed for adjacency Fusion1</first-trigger-detail-reason>
      <last-trigger-change>Added</last-trigger-change>
      <last-trigger-time-stamp-ms>375545</last-trigger-time-stamp-ms>
      <last-trigger-detail-reason>2m50s Adjacency IXIA1101 Added</last-trigger-detail-reason>
    </spf-log-events>
    <spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/isis-level1/spf-log-events/2">
      <spf-log-index>2</spf-log-index>
```

```

<isis-spf-log-reason>enum=49</isis-spf-log-reason>
<isis-lsp-name>Fusion1.00-00</isis-lsp-name>
<brief-reason>Reverse Metric Change</brief-reason>
<event-count>1</event-count>
<node-count>1</node-count>
<time-stamp-ms>1728</time-stamp-ms>
<duration-ms>1</duration-ms>
<ipv4-routes>0</ipv4-routes>
<ipv6-routes>0</ipv6-routes>
<first-trigger-change>Modified</first-trigger-change>
<first-trigger-time-stamp-ms>375400</first-trigger-time-stamp-ms>
<first-trigger-detail-reason>2m57s Reverse metric changed for adjacency Fusion1</first-trigger-
detail-reason>
<last-trigger-change></last-trigger-change>
<last-trigger-time-stamp-ms>0</last-trigger-time-stamp-ms>
<last-trigger-detail-reason></last-trigger-detail-reason>
</spf-log-events>
<spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/
isis-level1/spf-log-events/3">
  <spf-log-index>3</spf-log-index>
  <isis-spf-log-reason>isis-spf-reason-adj-change</isis-spf-log-reason>
  <isis-lsp-name>Fusion1.00-00</isis-lsp-name>
  <brief-reason>IS Neighbor TLV Change</brief-reason>
  <event-count>7</event-count>
  <node-count>1</node-count>
  <time-stamp-ms>1778</time-stamp-ms>
  <duration-ms>0</duration-ms>
  <ipv4-routes>0</ipv4-routes>
  <ipv6-routes>0</ipv6-routes>
  <first-trigger-change>Modified</first-trigger-change>
  <first-trigger-time-stamp-ms>375292</first-trigger-time-stamp-ms>
  <first-trigger-detail-reason>3m2s LSP Fusion1.00-00 Area Address TLV Changed</first-trigger-
detail-reason>
  <last-trigger-change>Added</last-trigger-change>
  <last-trigger-time-stamp-ms>375390</last-trigger-time-stamp-ms>
  <last-trigger-detail-reason>2m57s LSP IXIA1101.31-30 IS Neighbor TLV Changed</last-trigger-detail-
reason>
</spf-log-events>
</spf-log-levels>
<spf-log-levels y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/
isis-level2">
  <level>isis-level2</level>
  <log-counts>5</log-counts>
  <spf-trigger-count>0</spf-trigger-count>
  <node-count>2</node-count>
  <spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/
isis-level2/spf-log-events/0">
    <spf-log-index>0</spf-log-index>
    <isis-spf-log-reason>isis-spf-reason-area-change</isis-spf-log-reason>
    <isis-lsp-name>Fusion1.00-00</isis-lsp-name>
    <brief-reason>Area Address TLV Change</brief-reason>
    <event-count>1</event-count>
    <node-count>2</node-count>
    <time-stamp-ms>1505</time-stamp-ms>
    <duration-ms>1</duration-ms>
    <ipv4-routes>0</ipv4-routes>
    <ipv6-routes>0</ipv6-routes>
    <first-trigger-change>Modified</first-trigger-change>
    <first-trigger-time-stamp-ms>375837</first-trigger-time-stamp-ms>
    <first-trigger-detail-reason>2m35s LSP Fusion1.00-06 Area Address TLV Changed</first-trigger-
detail-reason>
    <last-trigger-change></last-trigger-change>
    <last-trigger-time-stamp-ms>0</last-trigger-time-stamp-ms>
    <last-trigger-detail-reason></last-trigger-detail-reason>
  </spf-log-events>
  <spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/
isis-level2/spf-log-events/1">
    <spf-log-index>1</spf-log-index>
    <isis-spf-log-reason>isis-spf-reason-pspf-purge-lsp</isis-spf-log-reason>
    <isis-lsp-name>Fusion1.00-43</isis-lsp-name>
    <brief-reason>LSP Purged</brief-reason>
    <event-count>2</event-count>

```

```

<node-count>2</node-count>
<time-stamp-ms>1628</time-stamp-ms>
<duration-ms>1</duration-ms>
<ipv4-routes>0</ipv4-routes>
<ipv6-routes>0</ipv6-routes>
<first-trigger-change>Deleted</first-trigger-change>
<first-trigger-time-stamp-ms>375601</first-trigger-time-stamp-ms>
<first-trigger-detail-reason>2m47s LSP Fusion1.00-06 Purged</first-trigger-detail-reason>
<last-trigger-change>Deleted</last-trigger-change>
<last-trigger-time-stamp-ms>375602</last-trigger-time-stamp-ms>
<last-trigger-detail-reason>2m47s LSP Fusion1.00-43 Purged</last-trigger-detail-reason>
</spf-log-events>
<spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/
isis-level2/spf-log-events/2">
  <spf-log-index>2</spf-log-index>
  <isis-spf-log-reason>enum=49</isis-spf-log-reason>
  <isis-lsp-name>Fusion1.00-00</isis-lsp-name>
  <brief-reason>Reverse Metric Change</brief-reason>
  <event-count>2</event-count>
  <node-count>2</node-count>
  <time-stamp-ms>1678</time-stamp-ms>
  <duration-ms>2</duration-ms>
  <ipv4-routes>1</ipv4-routes>
  <ipv6-routes>1</ipv6-routes>
  <first-trigger-change>Modified</first-trigger-change>
  <first-trigger-time-stamp-ms>375513</first-trigger-time-stamp-ms>
  <first-trigger-detail-reason>2m51s LSP Fusion2.00-00 Added</first-trigger-detail-reason>
  <last-trigger-change>Modified</last-trigger-change>
  <last-trigger-time-stamp-ms>375545</last-trigger-time-stamp-ms>
  <last-trigger-detail-reason>2m50s Reverse metric changed for adjacency Fusion1</last-trigger-
detail-reason>
</spf-log-events>
<spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/
isis-level2/spf-log-events/3">
  <spf-log-index>3</spf-log-index>
  <isis-spf-log-reason>isis-spf-reason-ppspf-new-lsp</isis-spf-log-reason>
  <isis-lsp-name>Fusion2.01-00</isis-lsp-name>
  <brief-reason>LSP Added</brief-reason>
  <event-count>1</event-count>
  <node-count>1</node-count>
  <time-stamp-ms>1728</time-stamp-ms>
  <duration-ms>0</duration-ms>
  <ipv4-routes>0</ipv4-routes>
  <ipv6-routes>0</ipv6-routes>
  <first-trigger-change>Modified</first-trigger-change>
  <first-trigger-time-stamp-ms>375401</first-trigger-time-stamp-ms>
  <first-trigger-detail-reason>2m57s LSP Fusion2.01-00 Added</first-trigger-detail-reason>
  <last-trigger-change></last-trigger-change>
  <last-trigger-time-stamp-ms>0</last-trigger-time-stamp-ms>
  <last-trigger-detail-reason></last-trigger-detail-reason>
</spf-log-events>
<spf-log-events y:self="/rest/operational-state/spf-log-state/isis-ipv4-unicast-safi/spf-log-levels/
isis-level2/spf-log-events/4">
  <spf-log-index>4</spf-log-index>
  <isis-spf-log-reason>isis-spf-reason-adj-state-chg</isis-spf-log-reason>
  <isis-lsp-name>Fusion1.00-00</isis-lsp-name>
  <brief-reason>Adjacency State Change</brief-reason>
  <event-count>8</event-count>
  <node-count>1</node-count>
  <time-stamp-ms>1778</time-stamp-ms>
  <duration-ms>0</duration-ms>
  <ipv4-routes>0</ipv4-routes>
  <ipv6-routes>0</ipv6-routes>
  <first-trigger-change>Modified</first-trigger-change>
  <first-trigger-time-stamp-ms>375292</first-trigger-time-stamp-ms>
  <first-trigger-detail-reason>3m2s LSP Fusion1.00-00 Area Address TLV Changed</first-trigger-
detail-reason>
  <last-trigger-change>Added</last-trigger-change>
  <last-trigger-time-stamp-ms>375309</last-trigger-time-stamp-ms>
  <last-trigger-detail-reason>3m1s Adjacency Fusion2 Added</last-trigger-detail-reason>
</spf-log-events>

```

```
</spf-log-levels>  
</spf-log-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

sub-interface-statistics-state/bridge-domain-statistics

Displays bridge domain statistics.

Resource URIs

URI	Description
<base_URI>/operational-state/sub-interface-statistics-state/bridge-domain-statistics	Displays bridge domain statistics.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/sub-interface-statistics-state/bridge-domain-statistics

Request Body

None

Response Body

```
<bridge-domain-statistics xmlns="urn:brocade.com:mgmt:brocade-nsm-operational" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/operational-state/sub-interface-statistics-state/bridge-domain-
statistics/1">
  <bd-id>1</bd-id>
  <lif-statistics y:self="/rest/operational-state/sub-interface-statistics-state/bridge-domain-
statistics/1/lif-statistics/738200320">
    <lif-id>738200320</lif-id>
    <rx-packets>229229221</rx-packets>
    <tx-packets>229167043</tx-packets>
    <rx-bytes>323441104638</rx-bytes>
    <tx-bytes>323697733400</tx-bytes>
    <lif-name>eth2/32.501</lif-name>
  </lif-statistics>
  <lif-statistics y:self="/rest/operational-state/sub-interface-statistics-state/bridge-domain-
statistics/1/lif-statistics/755073026">
    <lif-id>755073026</lif-id>
    <rx-packets>229229221</rx-packets>
    <tx-packets>229167043</tx-packets>
    <rx-bytes>323441104638</rx-bytes>
    <tx-bytes>323697733400</tx-bytes>
    <lif-name>4.4.3.2</lif-name>
  </lif-statistics>
</bridge-domain-statistics>
```


History

Release version	History
16r.1.00	This API call was introduced.

sub-interface-statistics-state/bridge-domain-statistics/lif-statistics

Displays the bridge domain lif statistics.

Resource URIs

URI	Description
<base_URI>/operational-state/sub-interface-statistics-state/bridge-domain-statistics/lif-statistics	Displays the bridge domain lif statistics.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/sub-interface-statistics-state/bridge-domain-statistics

Request Body

None

Response Body

```
<bridge-domain-statistics xmlns="urn:brocade.com:mgmt:brocade-nsm-operational" xmlns:y="http://
brocade.com/ns/rest" y:self="/rest/operational-state/sub-interface-statistics-state/bridge-domain-
statistics/1">
  <bd-id>1</bd-id>
  <lif-statistics y:self="/rest/operational-state/sub-interface-statistics-state/bridge-domain-
statistics/1/lif-statistics/738200320">
    <lif-id>738200320</lif-id>
    <rx-packets>229229221</rx-packets>
    <tx-packets>229167043</tx-packets>
    <rx-bytes>323441104638</rx-bytes>
    <tx-bytes>323697733400</tx-bytes>
    <lif-name>eth2/32.501</lif-name>
  </lif-statistics>
  <lif-statistics y:self="/rest/operational-state/sub-interface-statistics-state/bridge-domain-
statistics/1/lif-statistics/755073026">
    <lif-id>755073026</lif-id>
    <rx-packets>229229221</rx-packets>
    <tx-packets>229167043</tx-packets>
    <rx-bytes>323441104638</rx-bytes>
    <tx-bytes>323697733400</tx-bytes>
    <lif-name>4.4.3.2</lif-name>
  </lif-statistics>
</bridge-domain-statistics>
```

History

Release version	History
16r.1.00	This API call was introduced.

tm-state

Displays TM statistics.

Resource URIs

URI	Description
<base_URI>/operational-state/tm-state	Displays TM statistics.
<base_URI>/operational-state/tm-state/tmvoq	
<base_URI>/operational-state/tm-state/tmvoqingvalegrvalprioval	
<base_URI>/operational-state/tm-state/tmdevicestat	
<base_URI>/operational-state/tm-state/non-empty-voq	Displays non-empty voqs in the system.
<base_URI>/operational-state/tm-state/tmcpustatsslot	Displays TM voq stats for CPU port per slot.
<base_URI>/operational-state/tm-state/tmcpustatsslotallgrp	Displays TM voq stats for CPU port per slot for all CPU group.
<base_URI>/operational-state/tm-state/tm-top-discard-pkt-data	Displays TM voq stats to get list of top discarded packets.
<base_URI>/operational-state/tm-state/tm-top-max-queue-depth-data	Displays TM voq stats to get list of top max queue depth.
<base_URI>/operational-state/tm-state/tm-max-buff-util-data	Displays snapshot of maximum TM buffer utilization.
<base_URI>/operational-state/tmdevicestatscommon-state	Displays common TM device stats.
<base_URI>/operational-state/tm-state/tmvoqstatistics	

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/tm-state

Request Body

None

Response Body

History

Release version	History
16r.1.00	This API call was introduced.

traffic-state

Resource URIs

URI	Description
<base_URI>/rest/operational-state/traffic-state	
<base_URI>/rest/operational-state/traffic-state/l1-hello-rx	
<base_URI>/rest/operational-state/traffic-state/l1-hello-tx	
<base_URI>/rest/operational-state/traffic-state/l2-hello-rx	
<base_URI>/rest/operational-state/traffic-state/l2-hello-tx	
<base_URI>/rest/operational-state/traffic-state/pp-hello-rx	
<base_URI>/rest/operational-state/traffic-state/pp-hello-tx	
<base_URI>/rest/operational-state/traffic-state/l1-lsp-rx	
<base_URI>/rest/operational-state/traffic-state/l1-lsp-tx	
<base_URI>/rest/operational-state/traffic-state/l2-lsp-rx	
<base_URI>/rest/operational-state/traffic-state/l2-lsp-tx	
<base_URI>/rest/operational-state/traffic-state/l1-csnp-rx	
<base_URI>/rest/operational-state/traffic-state/l1-csnp-tx	
<base_URI>/rest/operational-state/traffic-state/l2-csnp-rx	
<base_URI>/rest/operational-state/traffic-state/l2-csnp-tx	
<base_URI>/rest/operational-state/traffic-state/l1-psnp-rx	
<base_URI>/rest/operational-state/traffic-state/l1-psnp-tx	
<base_URI>/rest/operational-state/traffic-state/l2-psnp-rx	
<base_URI>/rest/operational-state/traffic-state/l2-psnp-tx	

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/traffic-state

Request Body

None

Response Body

```
<traffic-state xmlns="urn:brocade.com:mgmt:brocade-isis-operational" y:self="/rest/operational-state/traffic-state">
  <l1-hello-rx>0</l1-hello-rx>
  <l1-hello-tx>0</l1-hello-tx>
  <l2-hello-rx>0</l2-hello-rx>
  <l2-hello-tx>0</l2-hello-tx>
  <pp-hello-rx>102991</pp-hello-rx>
  <pp-hello-tx>111819</pp-hello-tx>
  <l1-lsp-rx>0</l1-lsp-rx>
  <l1-lsp-tx>0</l1-lsp-tx>
  <l2-lsp-rx>134517</l2-lsp-rx>
  <l2-lsp-tx>224205</l2-lsp-tx>
  <l1-csnp-rx>274</l1-csnp-rx>
  <l1-csnp-tx>5131</l1-csnp-tx>
  <l2-csnp-rx>1095</l2-csnp-rx>
  <l2-csnp-tx>6149</l2-csnp-tx>
  <l1-psnp-rx>0</l1-psnp-rx>
  <l1-psnp-tx>0</l1-psnp-tx>
  <l2-psnp-rx>54287</l2-psnp-rx>
  <l2-psnp-tx>54949</l2-psnp-tx>
</traffic-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

vc-peer-state

Displays the bd-vc peer state.

Resource URIs

URI	Description
<base_URI>/operational-state/vc-peer-state	Displays the VC peer state.

Usage Guidelines

Only GET operation is supported.

Examples

URI

http://host:80/rest/operational-state/vc-peer-state

Request Body

None

Response Body

```
<data xmlns="http://brocade.com/ns/rest" xmlns:y="http://brocade.com/ns/rest" y:self="/rest/config/running">
<vc-peer-state xmlns="urn:brocade.com:mgmt:brocade-pwm-operational" y:self="/rest/operational-state/vc-peer-state">
  <vc-peer-data y:self="/rest/operational-state/vc-peer-state/vc-peer-data/1">
    <vc-id>1</vc-id>
    <vc-peer-address>4.4.3.2</vc-peer-address>
    <vc-peer-state y:self="/rest/operational-state/vc-peer-state/vc-peer-data/1/vc-peer-state">Operational</vc-peer-state>
    <vc-peer-uptime>&quot;22 hr 35 min 41 sec &quot;</vc-peer-uptime>
    <vc-peer-load-balance>true</vc-peer-load-balance>
    <vc-peer-cos-enabled>false</vc-peer-cos-enabled>
    <vc-peer-cos-value>0</vc-peer-cos-value>
    <vc-ldp-tnnl-in-use>&quot;&quot;</vc-ldp-tnnl-in-use>
    <vc-local-label>983040</vc-local-label>
    <vc-remote-label>983093</vc-remote-label>
    <vc-local-mtu>1500</vc-local-mtu>
    <vc-remote-mtu>1500</vc-remote-mtu>
    <vc-local-type>4</vc-local-type>
    <vc-remote-type>4</vc-remote-type>
    <vc-proto-tnnl y:self="/rest/operational-state/vc-peer-state/vc-peer-data/1/vc-proto-tnnl/rsvp">
      <vc-proto-name>rsvp</vc-proto-name>
      <vc-ldp-tunnel-id>0</vc-ldp-tunnel-id>
      <vc-ldp-name>&quot;&quot;</vc-ldp-name>
      <vc-lsp-name>tor4_1</vc-lsp-name>
      <vc-peer-lsp-cos-enabled>false</vc-peer-lsp-cos-enabled>
      <vc-peer-lsp-cos-value>0</vc-peer-lsp-cos-value>
    </vc-proto-tnnl>
    <vc-proto-tnnl y:self="/rest/operational-state/vc-peer-state/vc-peer-data/1/vc-proto-tnnl/rsvp">
      <vc-proto-name>rsvp</vc-proto-name>
      <vc-ldp-tunnel-id>0</vc-ldp-tunnel-id>
      <vc-ldp-name>&quot;&quot;</vc-ldp-name>
      <vc-lsp-name>tor4_2</vc-lsp-name>
      <vc-peer-lsp-cos-enabled>false</vc-peer-lsp-cos-enabled>
      <vc-peer-lsp-cos-value>0</vc-peer-lsp-cos-value>
    </vc-proto-tnnl>
  </vc-assigned-lsp>
</vc-peer-data>
</vc-peer-state>
```

History

Release version	History
16r.1.00	This API call was introduced.

vxlan-acl-state/extended-data

Displays Vxlan ACL information.

Resource URIs

URI	Description
<base_URI>/operational-state/vxlan-acl-state/extended-data/{aclname}/	Displays Vxlan ACL information.

Usage Guidelines

Only GET operation is supported.

Examples

The following example uses the GET option to retrieve the configuration details.

URI

http://host:80/rest/operational-state/vxlan-acl-state/extended-data/ext-test

Request Body

None

Response Body

```
<extended-data xmlns="urn:brocade.com:mgmt:brocade-ssm-operational" xmlns:y="http://brocade.com/ns/rest"
y:self="/rest/operational-state/vxlan-acl-state/extended-data/ext-test">
  <acl-name>ext-test</acl-name>
  <seq-num>10</seq-num>
  <permit-deny>permit</permit-deny>
  <dst-vtep-ip>0.0.0.0</dst-vtep-ip>
  <src-vtep-ip>0.0.0.0</src-vtep-ip>
  <vni>0</vni>
  <vni-mask>0</vni-mask>
  <dst-ip>0.0.0.0</dst-ip>
  <dst-ip-mask>32</dst-ip-mask>
  <src-ip>0.0.0.0</src-ip>
  <src-ip-mask>32</src-ip-mask>
  <dst-port>0</dst-port>
  <src-port>0</src-port>
  <count>0</count>
  <byte-count>0</byte-count>
  <transit-name>test</transit-name>
  <sflow>true</sflow>
</extended-data>
```

History

Release version	History
16r.1.00	This API call was introduced.

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activate-status

Retrieves the firmware activation status.

Resource URIs

URI	Description
<base_URI>/operations/activate-status	Retrieves the firmware activation status.

Parameters

overall-status

Displays overall activation status on the switch.

status

Displays the activation status for a particular RBridge ID.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/activate-status

Request Body

```
<activate-status></activate-status>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-firmware'>  
  <overall-status>0</overall-status>  
  <status>0</status>  
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

bna-config-cmd

Copies configuration data to or from the system.

Resource URIs

URI	Description
<base_URI>/operations/bna-config-cmd	Copy configuration data to or from the system.

Parameters

session-id

This ID is used along with bna-config-cmd-status API to get the status of this operation (inprogress/complete).

status

Displays the status of this operation (inprogress/complete).

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/bna-config-cmd

Request Body

```
<bna-config-cmd>
  <src>running-config</src>
  <dest>startup-config</dest>
</bna-config-cmd>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-ras'>
  <session-id>0</session-id>
  <status>in-progress</status>
</output>
```

bna-config-cmd-status

Retrieves the status of a previous configuration command.

Resource URIs

URI	Description
<base_URI>/operations/bna-config-cmd-status	Retrieves the status of a previous configuration command.

Parameters

status

Shows the status of API bna-config-cmd (completed/inprogress).

status-string

Displays BNA config command status.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/bna-config-cmd-status

Request Body

```
<bna-config-cmd-status>
  <session-id>0</session-id>
</bna-config-cmd-status>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-ras'>
  <status>completed</status>
  <status-string></status-string>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

clear-mpls-ldp-neighbor

Clears all LDP neighbors or a specified LDP neighbor.

Resource URIs

URI	Description
<base_URI>/operations/clear-mpls-ldp-neighbor	Clears all LDP neighbors or a specified LDP neighbor.

Parameters

mpls-clear-all-ldp-sessions

Specifies to clear all LDP neighbors.

mpls-clear-one-ldp-sessions

Specifies the LDP neighbor's IP to be cleared.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/clear-mpls-ldp-neighbor

Request Body

```
<clear-mpls-ldp-neighbor><mpls-clear-all-ldp-sessions>true</mpls-clear-all-ldp-sessions></clear-mpls-ldp-neighbor>
```

```
<clear-mpls-ldp-neighbor><mpls-clear-one-ldp-sessions>15.15.1.1</mpls-clear-one-ldp-sessions></clear-mpls-ldp-neighbor>
```

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

clear-mpls-ldp-statistics

Clears MPLS LDP control plane statistics.

Resource URIs

URI	Description
<base_URI>/operations/clear-mpls-ldp-statistics	Clears MPLS LDP control plane statistics.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/clear-mpls-ldp-statistics

Request Body

```
<clear-mpls-ldp-statistics></clear-mpls-ldp-statistics>
```

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

clear-mpls-lsp

Resets and re-enables tunnel

Resource URIs

URI	Description
<base_URI>/operations/clear-mpls-lsp	Resets and re-enables tunnel.

Parameters

mpls-clear-lsp-name-in

Specifies the LSP name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/clear-mpls-lsp

Request Body

```
<clear-mpls-lsp><mpls-clear-lsp-name-in>16</mpls-clear-lsp-name-in></clear-mpls-lsp>
```

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

clear-mpls-rsvp-statistics

Clears MPLS RSVP control plane statistics.

Resource URIs

URI	Description
<base_URI>/operations/clear-mpls-rsvp-statistics	Clears MPLS RSVP control plane statistics.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/clear-mpls-rsvp-statistics

Request Body

```
<clear-mpls-rsvp-statistics></clear-mpls-rsvp-statistics>
```

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

clear-mpls-rsvp-statistics-neighbor

Clears all RSVP neighbors or a specified RSVP neighbor.

Resource URIs

URI	Description
<base_URI>/operations/clear-mpls-rsvp-statistics-neighbor	Clears all RSVP neighbors or a specified RSVP neighbor.

Parameters

clear-mpls-rsvp-statistics-neighbor-all

Specifies to clear all RSVP neighbors.

clear-mpls-rsvp-statistics-neighbor-address

Specifies the RSVP neighbor IP to be cleared.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/clear-mpls-rsvp-statistics-neighbor

Request Body

```
<clear-mpls-rsvp-statistics-neighbor><clear-mpls-rsvp-statistics-neighbor-all>true</clear-mpls-rsvp-statistics-neighbor-all></clear-mpls-rsvp-statistics-neighbor>
```

```
<clear-mpls-rsvp-statistics-neighbor><clear-mpls-rsvp-statistics-neighbor-address>6.15.1.15</clear-mpls-rsvp-statistics-neighbor-address></clear-mpls-rsvp-statistics-neighbor>
```

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

clear-mpls-statistics

Clears MPLS statistics.

Resource URIs

URI	Description
<base_URI>/operations/clear-mpls-statistics	Clears MPLS statistics.

Parameters

mpls-clear-statistics-type

Specifies one of the following statistics to be cleared - OAM, tunnel, or transit traffic statistics.

tunnel-name

Specifies the tunnel name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/clear-mpls-statistics

Request Body

```
<clear-mpls-statistics><mpls-clear-statistics-type>3</mpls-clear-statistics-type><tunnel-name>t2</tunnel-name></clear-mpls-statistics>
```

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

dad-status

Displays the current status of firmware download.

Resource URIs

URI	Description
<base_URI>/operations/dad-status	Displays the current status of firmware download.

Parameters

index

Displays the index number.

date-and-time-info

Displays the date and time information.

message

Displays the status message.

dad-last-state

Displays the dad last state status as dad-in-progress, dad-failed, or dad-completed.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operational-state/dad-status

Request Body

```
<dad-status></dad-status>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-firmware'>
  <dad-status-entries>
    <index>1</index>
    <date-and-time-info>Fri Oct 25 21:01:12 GMT 2013</date-and-time-info>
    <message>DHCP Auto-deployment enabled.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>2</index>
    <date-and-time-info>Fri Oct 25 21:09:57 GMT 2013</date-and-time-info>
    <message>DHCP Auto-deployment failed during DHCP process.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>3</index>
    <date-and-time-info>Thu Mar 13 05:15:06 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>14</index>
    <date-and-time-info>Thu Mar 13 19:45:10 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>15</index>
    <date-and-time-info>Thu Mar 13 20:24:50 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>34</index>
    <date-and-time-info>Sun Mar 16 15:53:23 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>35</index>
    <date-and-time-info>Sun Mar 16 16:32:33 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>36</index>
    <date-and-time-info>Sun Mar 16 17:13:51 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>37</index>
    <date-and-time-info>Sun Mar 16 18:01:41 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>38</index>
    <date-and-time-info>Sun Mar 16 18:46:12 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
  <dad-status-entries>
    <index>39</index>
```

```

    <date-and-time-info>Sun Mar 16 19:31:00 SCT 2014</date-and-time-info>
    <message>DHCP Auto-deployment failed to enable.</message>
  </dad-status-entries>
</dad-status-entries>
  <index>40</index>
  <date-and-time-info>Sun Mar 16 20:16:07 SCT 2014</date-and-time-info>
  <message>DHCP Auto-deployment failed to enable.</message>
</dad-status-entries>
</dad-status-entries>
  <index>41</index>
  <date-and-time-info>Sun Mar 16 20:59:21 SCT 2014</date-and-time-info>
  <message>DHCP Auto-deployment failed to enable.</message>
</dad-status-entries>
</dad-status-entries>
  <index>42</index>
  <date-and-time-info>Sun Mar 16 21:41:38 SCT 2014</date-and-time-info>
  <message>DHCP Auto-deployment failed to enable.</message>
</dad-status-entries>
<dad-last-state>dad-failed</dad-last-state>
</output>

```

History

Release version	Command history
16r.1.00	This API call was introduced.

fcoe-get-interface

Retrieves the FCoE interface information.

Resource URIs

URI	Description
<base_URI>/operations/fcoe-get-interface	Retrieves the FCoE interface information.

Parameters

fcoe-intf-total-interfaces

Displays the total number of interfaces whose details are being returned.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/fcoe-get-interface

Request Body

```
<fcoe-intf-total-interfaces></fcoe-intf-total-interfaces>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-fcoe-ext'>
  <fcoe-intf-total-interfaces>0</fcoe-intf-total-interfaces>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

fcoe-get-login

Retrieves the login information on FCoE End nodes that have logged in to the managed device.

Resource URIs

URI	Description
<base_URI>/operations/fcoe-get-login	Retrieves the login information on FCoE End nodes that have logged in to the managed device.

Parameters

fcoe-login-total-logins

Displays the total number of devices logged in.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/fcoe-get-login

Request Body

```
<fcoe-get-login></fcoe-get-login>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-fcoe-ext'>
  <fcoe-login-total-logins>0</fcoe-login-total-logins>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

firmware-download

Retrieves the firmware level commands.

Resource URIs

URI	Description
<base_URI>/operations/firmware-download	Retrieves the firmware level commands.

Parameters

fwdl-status

Displays the status. 0 or 1 - Success. Any negative value is error.

fwdl-msg

0 - Success but disruptive/non-ISSU upgrade, 1 - Success and ISSU upgrade. Any negative value is error.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/firmware-download

Request Body (for coldboot)

```
<firmware-download>
  <scp>
    <user>fvt</user>
    <password>pray4green</password>
    <host>10.31.2.25</host>
    <directory>/buildsjc/sre/SQA/nos/slx16r.1.00/slxr16.1.00_bld20</directory>
  </scp>
  <coldboot></coldboot>
</firmware-download>
```

Request Body (for ISSU)

```
<firmware-download xmlns="urn:brocade.com:mgmt:brocade-firmware">
  <ftp>
    <user>fvt</user>
    <password>pray4green</password>
    <host>10.31.2.27</host>
    <directory>/proj/sj_eng/defects/gpai/clone_dist</directory>
  </ftp>
  <auto-activate/>
</firmware-download>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-firmware'>
  <cluster-output>
    <fwdl-status>0</fwdl-status>
    <fwdl-msg>Disruptive.</fwdl-msg>
  </cluster-output>
  <fwdl-cmd-status>0</fwdl-cmd-status>
  <fwdl-cmd-msg>Logical-chassis firmware download initiated.</fwdl-cmd-msg>
</output>
```

History

Release version	History
16r.1.00	This API call was introduced.

fwdl-status

Retrieves the firmware download status.

Resource URIs

URI	Description
<base_URI>/operations/fwdl-status	Retrieves the firmware download status.

Parameters

fwdl-state

Displays the firmware download state.

number-of-entries

Specifies the number of status entries.

index

Displays the sequence number for the message.

blade-name

Displays the name of the blade.

message-id

Displays the message identifier.

date-and-time-info

Displays the date and time of the message. The format is YYYY-MM-DD/HH:MM:SS.SSSS.

message

Displays the textual description of the status.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/fwdl-status

Request Body

```
<fwdl-status></fwdl-status>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-firmware'>
  <fwdl-state>completed</fwdl-state>
  <number-of-entries>18</number-of-entries>
  <fwdl-entries>
    <index>1</index>
    <blade-name>SW/0</blade-name>
    <message-id>0</message-id>
    <date-and-time-info>2014-06-23/19:31:31</date-and-time-info>
    <message>Firmware install begins.</message>
  </fwdl-entries>
  <fwdl-entries>
    <index>2</index>
    <blade-name>SW/0</blade-name>
    <message-id>0</message-id>
    <date-and-time-info>2014-06-23/19:34:44</date-and-time-info>
    <message>Firmware install ends.</message>
  </fwdl-entries>
  <fwdl-entries>
    <index>3</index>
    <blade-name>SW/1</blade-name>
    <message-id>0</message-id>
    <date-and-time-info>2014-06-23/19:34:44</date-and-time-info>
    <message>Firmware install begins.</message>
  </fwdl-entries>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-arp

Retrieves the ARP cache information.

Resource URIs

URI	Description
<base_URI>/operations/get-arp	Retrieves the ARP cache details.

Parameters

ip-address

Displays the IP address of the ARP entry.

mac-address

Displays the MAC address of the ARP entry.

interface-type

Displays the interface type.

interface-name

Displays the interface name.

is-resolved

Indicates whether the ARP entry is resolved or not.

age

Displays the age of the ARP entry.

entry-type

Displays the type of the ARP entry.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-arp

Request Body

```
<get-arp></get-arp>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-arp'>
  <arp-entry>
    <ip-address>20.0.0.122</ip-address>
    <mac-address>0005.3379.407a</mac-address>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
    <is-resolved>true</is-resolved>
    <age>03:16:05</age>
    <entry-type>dynamic</entry-type>
  </arp-entry>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-contained-in-ID

Retrieves enclosure related information on embedded platforms.

Resource URIs

URI	Description
<base_URI>/operations/get-contained-in-ID	Retrieves enclosure related information on embedded platforms.

Parameters

contained-in-ID

Provides present slot ID of switch.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-contained-in-ID

Request Body

```
<get-contained-in-ID></get-contained-in-ID>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-Enclosure-show'>
  <contained-in-ID>Bay 7</contained-in-ID>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-interface-detail

Retrieves operational data for all the VLANs, physical interfaces and port-channels.

Resource URIs

URI	Description
<base_URI>/operations/get-interface-detail	Retrieves operational data for a given VLAN and enumeration of all the interfaces belonging to this VLAN.

Parameters

interface-type

Displays the interface type.

interface-name

Displays the interface name.

port-mode

Displays the operational mode of the particular interface. This is applicable only for physical interfaces or port-channel interfaces.

if-name

Displays the interface display name as in MIB-II's ifTable. However interface-name and interface-type values of this instance forms fully qualified name for this interface.

if-state

Displays the current operational state of this interface.

line-protocol-state

Displays the 'Line protocol' state of the interface.

line-protocol-state-info

Displays the reason for the current line protocol state of the interface.

hardware-type

Displays the type of the interface.

current-hardware-address

Displays the address of the interface at its protocol sub-layer.

logical-hardware-address

Displays the address of the interface at its protocol sub-layer.

ifindex

A unique value, greater than zero, for each interface.

mtu

Displays the IP MTU value of the interface.

actual-line-speed

Displays the actual line speed of this interface.

configured-line-speed

Displays the administratively configured line speed of the interface.

flow-control

Displays the 'Flow control' for the interface.

queuing-strategy

Displays the 'Queuing strategy' for the interface.

ifHCInOctets

Displays the total number of octets received on the interface, including framing characters.

ifHCInUcastPkt

Displays the number of packets, delivered by this sub-layer to a higher (sub-)layer, which were not addressed to a multicast or broadcast address at this sub-layer.

ifHCInMulticastPkts

Displays the number of packets, delivered by this sub-layer to a higher (sub-)layer, which were addressed to a multicast address at the sub-layer. For a MAC layer protocol, this includes both Group and Functional addresses.

ifHCInBroadcastPkts

Displays the number of packets, delivered by the sub-layer to a higher (sub-)layer, which were addressed to a broadcast address at the sub-layer.

ifHCInErrors

For packet-oriented interfaces, the number of inbound packets that contained errors preventing them from being deliverable to a higher-layer protocol. For character-oriented or fixed-length interfaces, the number of inbound transmission units that contained errors preventing them from being deliverable to a higher-layer protocol.

ifHCOctets

Displays the total number of octets transmitted out of the interface, including framing characters.

ifHCOOutUcastPkts

Displays the total number of packets that higher-level protocols requested be transmitted, and which were not addressed to a multicast or broadcast address at the sub-layer, including those that were discarded or not sent.

ifHCOOutMulticastPkts

Displays the total number of packets that higher-level protocols requested be transmitted, and which were addressed to a multicast address at this sub-layer, including those that were discarded or not sent. For a MAC layer protocol, this includes both Group and Functional addresses.

ifHCOOutBroadcastPkt

Displays the total number of packets that higher-level protocols requested be transmitted, and which were addressed to a broadcast address at this sub-layer, including those that were discarded or not sent.

ifHCOOutErrors

For packet-oriented interfaces, the number of outbound packets that could not be transmitted because of errors. For character-oriented or fixed-length interfaces, the number of outbound transmission units that could not be transmitted because of errors.

if-description

Displays the textual string containing information about the interface.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-interface-detail

Request Body

```
<get-interface-detail></get-interface-detail>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-interface-ext'>
  <interface>
    <interface-type>port-channel</interface-type>
    <interface-name>1</interface-name>
    <port-mode>unknown</port-mode>
    <if-name>Port-channel 1</if-name>
    <if-state>down</if-state>
    <line-protocol-state>down</line-protocol-state>
    <line-protocol-state-info> (admin down)</line-protocol-state-info>
    <hardware-type>aggregate</hardware-type>
    <current-hardware-address>60:9c:9f:0d:3e:4e</current-hardware-address>
    <logical-hardware-address>60:9c:9f:0d:3e:4e</logical-hardware-address>
    <if-description>Insight port-channel on MM1</if-description>
    <ifindex>671088641</ifindex>
    <mtu>1548</mtu>
    <actual-line-speed>nil</actual-line-speed>
    <configured-line-speed>10Gbps</configured-line-speed>
    <flow-control></flow-control>
    <queuing-strategy>fifo</queuing-strategy>
    <ifHCInOctets>0</ifHCInOctets>
    <ifHCInUcastPkts>0</ifHCInUcastPkts>
    <ifHCInMulticastPkts>0</ifHCInMulticastPkts>
    <ifHCInBroadcastPkts>0</ifHCInBroadcastPkts>
    <ifHCInErrors>0</ifHCInErrors>
    <ifHCOctets>0</ifHCOctets>
    <ifHCOUcastPkts>0</ifHCOUcastPkts>
    <ifHCOMulticastPkts>0</ifHCOMulticastPkts>
    <ifHCOBroadcastPkts>0</ifHCOBroadcastPkts>
    <ifHCOErrors>0</ifHCOErrors>
  </interface>
  <interface>
    <interface-type>port-channel</interface-type>
    <interface-name>2</interface-name>
    <port-mode>unknown</port-mode>
    <if-name>Port-channel 2</if-name>
    <if-state>down</if-state>
    <line-protocol-state>down</line-protocol-state>
    <line-protocol-state-info> (admin down)</line-protocol-state-info>
    <hardware-type>aggregate</hardware-type>
    <current-hardware-address>60:9c:9f:0d:3e:4f</current-hardware-address>
    <logical-hardware-address>60:9c:9f:0d:3e:4f</logical-hardware-address>
    <if-description>Insight port-channel on MM2</if-description>
    <ifindex>671088642</ifindex>
    <mtu>1548</mtu>
    <actual-line-speed>nil</actual-line-speed>
    <configured-line-speed>10Gbps</configured-line-speed>
    <flow-control></flow-control>
    <queuing-strategy>fifo</queuing-strategy>
    <ifHCInOctets>0</ifHCInOctets>
    <ifHCInUcastPkts>0</ifHCInUcastPkts>
    <ifHCInMulticastPkts>0</ifHCInMulticastPkts>
    <ifHCInBroadcastPkts>0</ifHCInBroadcastPkts>
    <ifHCInErrors>0</ifHCInErrors>
```

```

    <ifHCOutOctets>0</ifHCOutOctets>
    <ifHCOutUcastPkts>0</ifHCOutUcastPkts>
    <ifHCOutMulticastPkts>0</ifHCOutMulticastPkts>
    <ifHCOutBroadcastPkts>0</ifHCOutBroadcastPkts>
    <ifHCOutErrors>0</ifHCOutErrors>
  </interface>
  <has-more>false</has-more>
</output>

```

If the entire information cannot be retrieved in a single execution, the last lines of output says has-more=true.

```

<has-more xmlns="urn:brocade.com:mgmt:brocade-interface-ext">true</has-more>
</rpc-reply>

```

In such cases the remaining information can be retrieved using "last-rcvd-interface" as shown in the request body below.

```

<get-interface-detail>
  <last-rcvd-interface>
    <interface-type>port-channel</interface-type>
    <interface-name>3</interface-name>
  </last-rcvd-interface>
</get-interface-detail>

```

The API can be used to retrieve information regarding a specific port by applying filter as in the request body below.

```

<get-interface-detail>
  <interface-type>port-channel</interface-type>
  <interface-name>2</interface-name>
</get-interface-detail>

```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-interface-switchport

Retrieves switch-port/Layer 2 characteristics of the interfaces configured as switchport in the managed device.

Resource URIs

URI	Description
<base_URI>/operations/get-interface-switchport	Returns switch-port or Layer 2 characteristics of all the interfaces in the managed device.

Parameters

interface-name

Displays the Interface value.

interface-type

Displays the type of the interface.

mode

Displays the mode of the port-channel.

fcoe-port-enabled

Displays the FCoE capability is enabled on the interface.

ingress-filter-enabled

Indicates if the 'Ingress filtering' is enabled for the interface.

acceptable-frame-type

Displays the switch-port ingress Frame admission policy - whether only tagged Frames are allowed or all.

default-vlan

Displays the 'default vlan' identifier value for this switch-port.

vlanid

Displays the list of active VLAN identifiers.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-interface-switchport

Request Body

```
<get-interface-switchport></get-interface-switchport>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-interface-ext'>
  <switchport>
    <interface-name>195/2/1</interface-name>
    <interface-type>port-channel</interface-type>
    <mode>access</mode>
    <fcoe-port-enabled>false</fcoe-port-enabled>
    <ingress-filter-enabled>true</ingress-filter-enabled>
    <acceptable-frame-type>admit-all</acceptable-frame-type>
    <default-vlan>1</default-vlan>
    <active-vlans>
      <vlanid>1</vlanid>
    </active-vlans>
  </switchport>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-ip-interface

Retrieves the IP interface details.

Resource URIs

URI	Description
<base_URI>/operations/get-ip-interface	Retrieves the IP interface details.

Parameters

interface-type

Displays the network interface name in a VCS environment in the format: [rbridge-id]/slot/port.

interface-name

Displays the Interface value.

if-name

Displays the interface display name as in MIB-II's ifTable. However interface-name and interface-type values of this instance forms fully qualified name for this interface.

if-state

Displays the current operational state of the interface.

line-protocol-state

Displays the 'Line protocol' state of the interface.

ip-address

Displays the IP address for the management interface.

ipv4

Displays the IP address in dotted decimal/Mask (A.B.C.D/M).

ipv4-type

Indicates whether IP address is primary/secondary and corresponding Broadcast IP.

broadcast

Displays the broadcast IP Address.

ip-mtu

Displays the MTU type.

vrf

Displays the VRF name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-ip-interface

Request Body

```
<get-ip-interface></get-ip-interface>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-interface-ext'>
  <interface>
    <interface-type>port-channel</interface-type>
    <interface-name>1</interface-name>
    <if-name>Port-channel 1</if-name>
    <if-state>down</if-state>
    <line-protocol-state>down</line-protocol-state>
    <ip-address>
      <ipv4>unassigned</ipv4>
    </ip-address>
  </interface>
  <interface>
    <interface-type>port-channel</interface-type>
    <interface-name>2</interface-name>
    <if-name>Port-channel 2</if-name>
    <if-state>down</if-state>
    <line-protocol-state>down</line-protocol-state>
    <ip-address>
      <ipv4>unassigned</ipv4>
    </ip-address>
  </interface>
  <has-more>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-last-config-update-time

Retrieves the time stamp of the last configuration change on the system.

Resource URIs

URI	Description
<base_URI>/operations/get-last-config-update-time	Retrieves the time stamp of the last configuration change.

Parameters

last-config-update-time

Displays the time stamp of the last configuration change.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-last-config-update-time

Request Body

```
<get-last-config-update-time></get-last-config-update-time>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vcs'>
  <last-config-update-time>1402481614</last-config-update-time>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-last-config-update-time-for-xpaths

Retrieves the time stamp of the last configuration change for xpaths.

Resource URIs

URI	Description
<base_URI>/operations/get-last-config-update-time-for-xpaths	Retrieves the time stamp of the last configuration change for xpaths.

Parameters

xpath-string

Displays the xpath string.

last-config-update-time

Indicates the time stamp of the last configuration change for xpath.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-last-config-update-time-for-xpaths

Request Body

```
<get-last-config-update-time-for-xpaths></get-last-config-update-time-for-xpaths>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vcs'>
  <last-config-update-time-for-xpaths>
    <xpath-string></xpath-string>
    <last-config-update-time>1402481614</last-config-update-time>
  </last-config-update-time-for-xpaths>
  <last-config-update-time-for-xpaths>
    <xpath-string>/cee-map</xpath-string>
    <last-config-update-time>1401508522</last-config-update-time>
  </last-config-update-time-for-xpaths>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-lldp-neighbor-detail

Retrieves the neighbor details of all the interfaces of the managed entity.

Resource URIs

URI	Description
<base_URI>/operations/get-lldp-neighbor-detail	Retrieves the neighbor details of all the interfaces of the managed entity.

Parameters

local-interface-name

Indicates the local interface display name.

local-interface-ifindex

Indicates the local interface IfIndex.

local-interface-mac

Indicates the local interface MAC address.

remote-interface-name

Indicates the remote interface display name.

remote-interface-mac

Indicates the remote interface MAC address.

dead-interval

Indicates the dead interval.

remaining-life

Indicates the remaining life period.

remote-chassis-id

Indicates the remote chassis ID.

lldp-pdu-transmitted

Displays the number of LLDP PDUs transmitted from the interface.

lldp-pdu-received

Displays the number of LLDP PDUs received by the interface.

remote-system-name

Indicates the remote system name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-lldp-neighbor-detail

Request Body

```
<get-lldp-neighbor-detail></get-lldp-neighbor-detail>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-lldp-ext'>
  <lldp-neighbor-detail>
    <local-interface-name>Te 7/0/1</local-interface-name>
    <local-interface-ifindex>201334784</local-interface-ifindex>
    <local-interface-mac>0005.33ee.8006</local-interface-mac>
    <remote-interface-name>port-channel 14/1/10</remote-interface-name>
    <remote-interface-mac>0005.3379.6de7</remote-interface-mac>
    <dead-interval>120</dead-interval>
    <remaining-life>117</remaining-life>
    <remote-chassis-id>0005.3379.6d58</remote-chassis-id>
    <lldp-pdu-transmitted>373</lldp-pdu-transmitted>
    <lldp-pdu-received>372</lldp-pdu-received>
    <remote-system-name>M4</remote-system-name>
  </lldp-neighbor-detail>
  <lldp-neighbor-detail>
    <local-interface-name>Te 7/0/3</local-interface-name>
    <local-interface-ifindex>201351168</local-interface-ifindex>
    <local-interface-mac>0005.33ee.8008</local-interface-mac>
    <remote-interface-name>port1</remote-interface-name>
    <remote-interface-mac>0005.3348.8e4f</remote-interface-mac>
    <dead-interval>120</dead-interval>
    <remaining-life>92</remaining-life>
    <remote-chassis-id>0005.3348.8e4f</remote-chassis-id>
    <lldp-pdu-transmitted>373</lldp-pdu-transmitted>
    <lldp-pdu-received>366</lldp-pdu-received>
  </lldp-neighbor-detail>
  <lldp-neighbor-detail>
    <local-interface-name>Te 7/0/31</local-interface-name>
    <local-interface-ifindex>201580544</local-interface-ifindex>
    <local-interface-mac>0005.33ee.8024</local-interface-mac>
    <remote-interface-name>port-channel 6/0/31</remote-interface-name>
    <remote-interface-mac>0005.33e7.2803</remote-interface-mac>
    <dead-interval>120</dead-interval>
    <remaining-life>116</remaining-life>
    <remote-chassis-id>0005.33e7.27e0</remote-chassis-id>
    <lldp-pdu-transmitted>373</lldp-pdu-transmitted>
    <lldp-pdu-received>373</lldp-pdu-received>
    <remote-system-name>RIGEL-MOR</remote-system-name>
  </lldp-neighbor-detail>
  <has-more>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-mac-acl-for-intf

Retrieves the MAC ACL applied on the interfaces.

Resource URIs

URI	Description
<base_URI>/operations/get-mac-acl-for-intf	Retrieves the MAC ACL applied on the interfaces.

Parameters

interface-name

Displays the interface name.

interface-type

Displays the interface type.

policy-name

Displays the MAC ACL policy name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-mac-acl-for-intf

Request Body

```
<get-mac-acl-for-intf></get-mac-acl-for-intf>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-mac-access-list'>
  <interface>
    <interface-name>1/0/7</interface-name>
    <interface-type>port-channel</interface-type>
    <ingress-policy>
      <policy-name>stdmacacl</policy-name>
    </ingress-policy>
    <egress-policy>
      <policy-name>stdmacacl</policy-name>
    </egress-policy>
  </interface>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-mac-address-table

Retrieves the operational data for a given MAC entry with MAC type and interface (name and type).

Resource URIs

URI	Description
<base_URI>/operations/get-mac-address-table	Returns operational data for a given MAC entry and the corresponding details of that MAC entry.

Parameters

vlanid

Displays the VLAN ID.

mac-address

Displays the MAC address.

mac-type

Displays the MAC type.

mac-state

Displays the MAC state.

interface-type

Displays the interface type.

interface-name

Displays the interface name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-mac-address-table

Request Body

```
<get-mac-address-table>
  <forwarding-interface>
    <interface-type>tengigabitethernet</interface-type>
    <interface-name>9/1/6</interface-name>
  </forwarding-interface>
  <mac-type>dynamic</mac-type>
</get-mac-address-table>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-mac-address-table'>
  <mac-address-table>
    <vlanid>10</vlanid>
    <mac-address>10:00:20:00:30:00</mac-address>
    <mac-type>dynamic</mac-type>
    <mac-state>active</mac-state>
    <forwarding-interface>
      <interface-type>tengigabitethernet</interface-type>
      <interface-name>9/1/6</interface-name>
    </forwarding-interface>
  </mac-address-table><has-more>>false</has-more>
</output>
```

Request Body

```
<get-interface-detail>
  <last-rcvd-interface>
    <interface-type>port-channel</interface-type>
    <interface-name>7/0/33</interface-name>
  </last-rcvd-interface>
</get-interface-detail>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-mac-address-table'>
  <mac-address-table>
    <vlanid>53</vlanid>
    <mac-address>00:05:33:48:8e:4f</mac-address>
    <mac-type>dynamic</mac-type>
    <mac-state>active</mac-state>
    <forwarding-interface>
      <interface-type>port-channel</interface-type>
      <interface-name>7/0/3</interface-name>
    </forwarding-interface>
  </mac-address-table>
  <has-more>>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-media-detail

Retrieves the media properties of all the interfaces.

Resource URIs

URI	Description
<base_URI>/operations/get-media-detail	Retrieves the media properties of all the interfaces.

Parameters

interface-type

Displays the interface type.

interface-name

Displays the interface name.

encoding

Displays the type of encoding used to transmit the data on this interface.

vendor-name

Displays the vendor of the interface.

vendor-oui

Displays the vendor IEEE company ID.

vendor-pn

Displays the vendor part number.

vendor-rev

Displays the vendor revision level.

distance

Displays the SFP distance.

media-form-factor

Displays the media form factor.

wavelength

Displays the wavelength of pluggable media.

serial-no

Displays the serial number.

temperature

Displays the module temperature (degrees C).

date-code

Displays the vendor's manufacturing date code.

voltage

This indicates the supply voltage (Volts).

current

Displays the laser diode drive current (milliAmps).

tx-power

Displays the transmitted optical power (microWatts).

rx-power

Displays the received optical power (microWatts).

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-media-detail

Request Body

```
<get-media-detail></get-media-detail>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-interface-ext'>
  <interface>
    <interface-type>port-channel</interface-type>
    <interface-name>54/0/50</interface-name>
    <qsfp>
      <speed>40Gbps</speed>
      <connector>mpo-parallel-optic</connector>
      <encoding>ieee-802-3ab</encoding>
      <vendor-name>BROCADE</vendor-name>
      <vendor-oui>00:05:1e</vendor-oui>
      <vendor-pn>57-1000128-01</vendor-pn>
      <vendor-rev>A</vendor-rev>
      <distance>short-dist</distance>
      <media-form-factor>unknown</media-form-factor>
      <wavelength>17000</wavelength>
      <serial-no>LTA112051000713</serial-no>
      <date-code>120202</date-code>
      <temperature>38</temperature>
      <voltage>3291.9</voltage>
      <current>7.138</current>
      <tx-power>0.0</tx-power>
      <rx-power>872.9</rx-power>
    </qsfp>
  </interface>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-nameserver-detail

Retrieves the detailed information of the devices stored in the name server database.

Resource URIs

URI	Description
<base_URI>/operations/get-nameserver-detail	Retrieves the detailed information of the devices stored in the name server database.

Parameters

nameserver-portid

Displays the list of all Nx_Ports registered in the name server database of this managed device.

nameserver-portname

Displays the Port_Name (WWN) of this Nx_Port.

nameserver-nodename

Displays the Node_Name (WWN) of this Nx_Port.

nameserver-cos

Displays the Fibre Channel Class of service supported by the device.

nameserver-scr

Displays the state change notifications that the device has registered for.

nameserver-fc4s

Displays the Fibre Channel FC4 services supported by the device.

nameserver-portsymb

Displays the user-defined name of this port.

nameserver-nodesymb

Displays the user-defined name of the node of this port.

nameserver-fabric-portname

Displays the Fabric port name (WWN) of this port.

nameserver-permanent-portname

Displays the type and role of the device.

nameserver-devicetype

Displays the type and role of the device.

nameserver-porttype

Displays the Fibre Channel port type.

nameserver-index

Displays the Port index number.

nameserver-sharearea

Indicates whether or not the port utilizes the Brocade shared area method of Fibre channel addressing.

nameserver-redirect

Indicates whether or not the device is involved in Brocade frame redirection zoning.

nameserver-xlatedomain

Indicates whether or not the device enters the fabric via a translate domain.

nameserver-connected-via-ag

Indicates whether or not the device enters the fabric via access gateway.

nameserver-ag-base-device

Indicates whether or not the device is a base access gateway device.

nameserver-real

Indicates whether or not the device entered in the fabric via AG is a physical device.

nameserver-cascaded

Indicates whether or not the device enters the fabric via a cascaded AG.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-nameserver-detail

Request Body

```
<get-nameserver-detail></get-nameserver-detail>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-nameserver'>
  <show-nameserver>
    <nameserver-portid>0d0000</nameserver-portid>
    <nameserver-portname>20:00:8C:7C:FF:21:C0:00</nameserver-portname>
    <nameserver-nodename>20:00:8C:7C:FF:21:C0:01</nameserver-nodename>
    <nameserver-cos>3</nameserver-cos>
    <nameserver-scr>0</nameserver-scr>
    <nameserver-fc4s>FCP </nameserver-fc4s>
    <nameserver-portsymb>[7] "13/0/52"</nameserver-portsymb>
    <nameserver-nodesymb>NULL</nameserver-nodesymb>
    <nameserver-fabric-portname>50:02:7F:8C:31:32:30:82</nameserver-fabric-portname>
    <nameserver-permanent-portname>20:00:8C:7C:FF:21:C0:00</nameserver-permanent-portname>
    <nameserver-devicetype>Physical Target</nameserver-devicetype>
    <nameserver-porttype>N</nameserver-porttype>
    <nameserver-index>130</nameserver-index>
    <nameserver-sharearea>Yes</nameserver-sharearea>
    <nameserver-redirect>No</nameserver-redirect>
    <nameserver-xlatedomain>No</nameserver-xlatedomain>
    <nameserver-connected-via-ag>No</nameserver-connected-via-ag>
    <nameserver-ag-base-device>No</nameserver-ag-base-device>
    <nameserver-real>No</nameserver-real>
    <nameserver-cascaded>No</nameserver-cascaded>
  </show-nameserver>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-netconf-client-capabilities

Retrieves the session details, vendor details, IP details, time etc for all connected NETCONF clients.

Resource URIs

URI	Description
<base_URI>/operations/get-netconf-client-capabilities	Retrieves the vendor information of all the NETCONF clients.

Parameters

session-id

Displays the session ID of the NETCONF client session.

user-name

Displays the login name of the user for the NETCONF client session.

vendor

Displays the vendor name of the NETCONF client session.

product

Displays the product name of the NETCONF client session.

version

Displays the product version of the NETCONF client session.

identity

Displays the identity of the NETCONF client session.

host-ip

Displays the IP address of NETCONF client session.

time

Displays the login time of NETCONF client session.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-netconf-client-capabilities

Request Body

```
<get-netconf-client-capabilities></get-netconf-client-capabilities>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-netconf-ext'>
  <session>
    <session-id>532</session-id>
    <user-name>admin</user-name>
    <vendor>BROCADE</vendor>
    <product>Network Advisor</product>
    <version>12.3.3 build 18</version>
    <identity>Administrator</identity>
    <af-type>IPV4</af-type>
    <host-ip>10.20.237.24</host-ip>
    <time>2015-01-12T11:02:42+00:00</time>
  </session>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-port-channel-detail

Retrieves the Link Aggregation Control Protocol (LACP) configuration parameters for all the port-channels in the system.

Resource URIs

URI	Description
<base_URI>/operations/get-port-channel-detail	Retrieves the Link Aggregation Control Protocol (LACP) information for all port-channel.

Parameters

aggregator-id

Displays the aggregator ID.

aggregator-type

Displays the aggregator type.

isvlag

Specifies if the aggregator is a vLAG.

aggregator-mode

Displays the aggregator mode.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-port-channel-detail

Request Body

```
<get-port-channel-detail></get-port-channel-detail>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-lag'>
  <lacp>
    <aggregator-id>1</aggregator-id>
    <aggregator-type>standard</aggregator-type>
    <isvlag>false</isvlag>
    <aggregator-mode>static</aggregator-mode>
  </lacp>
  <lacp>
    <aggregator-id>2</aggregator-id>
    <aggregator-type>standard</aggregator-type>
    <isvlag>false</isvlag>
    <aggregator-mode>static</aggregator-mode>
  </lacp>
  <has-more>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-portchannel-info-by-intf

Displays Link Aggregation Control Protocol (LACP) configuration parameters for an Aggregation Port.

Resource URIs

URI	Description
<base_URI>/operations/get-portchannel-info-by-intf	Displays Link Aggregation Control Protocol (LACP) configuration parameters for an Aggregation Port.

Parameters

interface-type

Displays the interface type.

interface-name

Displays the interface name.

actor-port

Displays the actor port number.

system-priority

Displays the System Priority.

actor-system-id

Displays the Actor system ID.

partner-oper-priority

Displays the partner operational priority.

partner-system-id

Displays the Partner system ID.

actor-priority

Displays the Actor Priority.

admin-key

Displays the Admin key.

oper-key

Displays the Operational key.

receive-machine-state

Displays the state of the 'Receive Machine'.

periodic-transmission-machine-state

Displays the state of the 'Periodic Transmission machine'.

mux-machine-state

Displays the state of the 'Mux machine'.

admin-state

Displays the Admin state.

oper-state

Displays the Operational state.

partner-oper-state
Displays the Partner Operational state.

partner-oper-port
Displays the Partner Operational port.

actor-chip-number
Displays the actor chip number.

actor-max-deskew
Displays the actor maximum deskew.

partner-chip-number
Displays the actor chip number.

partner-max-deskew
Displays the partner maximum deskew.

actor-brcd-state
Displays the actor BRCD trunk state.

partner-brcd-state
Displays the partner BRCD trunk state.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-portchannel-info-by-intf

Request Body

```
<get-portchannel-info-by-intf></get-portchannel-info-by-intf>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-lag'>
  <lacp>
    <interface-type>port-channel</interface-type>
    <interface-name>122/8/1</interface-name>
    <actor-port>524204122304</actor-port>
    <system-priority>32255</system-priority>
    <actor-system-id>01:e0:52:00:20:00</actor-system-id>
    <partner-oper-priority>1</partner-oper-priority>
    <partner-system-id>00:00:00:00:00:01</partner-system-id>
    <actor-priority>32768</actor-priority>
    <admin-key>40</admin-key>
    <oper-key>40</oper-key>
    <receive-machine-state>current</receive-machine-state>
    <periodic-transmission-machine-state>slow-periodic</periodic-transmission-machine-state>
    <mux-machine-state>collecting-distributing</mux-machine-state>
    <admin-state>activity aggregation defaulted</admin-state>
    <oper-state>activity aggregation synchronization collecting distributing</oper-state>
    <partner-oper-state>activity aggregation synchronization collecting distributing</partner-oper-
state>
    <partner-oper-port>1</partner-oper-port>
  </lacp>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-port-profile-for-intf

Retrieves the port-profiles applied on ports and port-channels.

Resource URIs

URI	Description
<base_URI>/operations/get-port-profile-for-intf	Port-profiles applied on ports and port-channels.

Parameters

interface-type

Displays the interface type.

interface-name

Displays the interface name.

name

Displays the Port-profile name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-port-profile-for-intf

Request Body

```
<get-port-profile-for-intf></get-port-profile-for-intf>
```

If the entire information cannot be retrieved in a single execution as the output is huge or crossed designed length of chunk. In such cases the remaining information can be retrieved as shown in the request body below.

```
<get-port-profile-for-intf>
  <last-received-interface-info>
    <interface-type>port-channel</interface-type>
    <interface-name>18/0/50</interface-name>
  </last-received-interface-info>
</get-port-profile-for-intf>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-port-profile-ext'>
  <interface>
    <interface-type>port-channel</interface-type>
    <interface-name>2/0/12</interface-name>
    <port-profile>
      <name>default</name>
    </port-profile>
  </interface>
  <interface>
    <interface-type>TenGigabitEthernet</interface-type>
    <interface-name>2/0/13</interface-name>
    <port-profile>
      <name>default</name>
    </port-profile>
  </interface>
  <has-more>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-port-profile-status

Retrieves the port-profiles applied on ports and port-channels.

Resource URIs

URI	Description
<base_URI>/operations/get-port-profile-status	Retrieves the port-profiles applied on ports and port-channels.

Parameters

name

Displays the profile name.

ppid

Indicates the ID of the port-profile.

is-active

Indicates if this port-profile is activated or not.

mac

Indicates the MAC addresses associated with this port-profile.

interface-type

Displays the interface type.

interface-name

Displays the interface name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-port-profile-status

Request Body

```
<get-port-profile-status></get-port-profile-status>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-port-profile-ext'>
  <port-profile>
    <name>PP1</name>
    <ppid>2</ppid>
    <is-active>true</is-active>
    <has-more>true</has-more>
    <mac-association>
      <mac>00:00:11:11:22:22</mac>
    </mac-association>
    <mac-association>
      <mac>00:00:11:11:22:23</mac>
    </mac-association>
  </port-profile>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-stp-brief-info

Displays spanning tree information.

Resource URIs

URI	Description
<base_URI>/operations/get-stp-brief-info	Displays spanning tree information.

Parameters

stp-mode

Displays the type of the Spanning Tree Protocol configured on the switch.

priority

Displays the Bridge priority.

hello-time

Displays the interval between two transmissions of BPDU packets sent by the Root Bridge to tell all other switches that it is indeed the Root Bridge (1 to 10 sec).

max-age

Displays the Max Age may be set to ensure that old information does not endlessly circulate through redundant paths in the network, preventing the effective propagation of new information (6 to 40 sec).

forward-delay

Displays the port on the Switch spends this time in the listening state while moving from the blocking state to the forwarding state (4 to 30 sec).

interface-type

Displays the interface type.

interface-name

Displays the interface name.

spanningtree-enabled

Enables spanning tree.

if-index

Displays the interface index.

interface-id

Displays the interface ID.

if-role

Displays the interface role.

if-state

Displays the interface state.

external-path-cost

Designated external path cost.

internal-path-cost

Designated internal path cost.

configured-path-cost
Displays the configured path cost.

designated-port-id
Displays the designated port ID.

port-priority
Displays the Port priority.

designated-bridge-id
Displays the designated bridge ID.

port-hello-time
Displays the Port hello time.

forward-transitions-count
Displays the number of forward transitions.

received-stp-type
Displays the received (rx) STP type.

transmitted-stp-type
Displays the transmitted (tx) STP type.

edge-port
Displays the edge port mode.

auto-edge
Displays the auto edge.

admin-edge
Displays the admin edge.

edge-delay
Displays the edge delay.

configured-root-guard
Displays the configured root guard.

oper-root-guard
Displays the operational root guard.

boundary-port
Displays the Is boundary.

oper-bpdu-guard
Displays the operational BPDU guard.

oper-bpdu-filter
Displays the operational BPDU filter.

link-type
Displays the spanning tree link type.

rx-bpdu-count
Displays the received BPDU count.

tx-bpdu-count
Displays the transmitted BPDU count.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-stp-brief-info

Request Body

```
<get-stp-brief-info></get-stp-brief-info>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-xstp-ext'>
  <spanning-tree-info>
    <stp-mode>stp</stp-mode>
    <stp>
      <root-bridge>
        <priority>32768</priority>
        <bridge-id>8000.01e0.5200.0193</bridge-id>
        <hello-time>2</hello-time>
        <max-age>20</max-age>
        <forward-delay>15</forward-delay>
      </root-bridge>
      <bridge>
        <priority>32768</priority>
        <bridge-id>8000.01e0.5200.0193</bridge-id>
        <hello-time>2</hello-time>
        <max-age>20</max-age>
        <forward-delay>15</forward-delay>
      </bridge>
    </stp>
  </spanning-tree-info>
  <has-more>>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-stp-mst-detail

Retrieves RPC to return MSTP details.

Resource URIs

URI	Description
<base_URI>/operations/get-stp-mst-detail	Retrieves RPC to return MSTP details.

Parameters

cist-root-id

Displays the CIST Root ID.

cist-bridge-id

Displays the CIST bridge ID.

cist-reg-root-id

Displays the CIST regional root ID.

root-forward-delay

Displays the CIST root forward delay.

hello-time

Displays the CIST root hello time.

max-age

Displays the CIST root maximum age.

max-hops

Displays the hops the BPDU will be valid.

migrate-time

Displays the migration time.

interface-type

Displays the interface type.

interface-name

Displays the interface name.

spanningtree-enabled

Displays if the spanning tree enabled.

if-index

Displays the interface index.

interface-id

Displays the interface ID.

if-role

Displays the interface role.

if-state

Displays the interface state.

internal-path-cost
Displays the designated internal path cost.

external-path-cost
Displays the designated external path cost.

configured-path-cost
Displays the configured path cost.

designated-port-id
Displays the designated port ID.

port-priority
Displays the port priority.

designated-bridge-id
Displays the designated bridge ID.

forward-transitions-count
Displays the number of forward transitions.

port-hello-time
Displays the Port hello time.

received-stp-type
Displays the received (rx) stp type.

transmitted-stp-type
Displays the transmitted (tx) stp type.

edge-port
Displays the Edge Port mode.

auto-edge
Displays the Auto Edge.

edge-delay
Displays the Edge delay.

admin-edge
Displays the Admin Edge.

boundary-port
Displays the Is boundary.

configured-root-guard
Displays the configured root guard.

oper-root-guard
Displays the operational root guard.

oper-bpdu-guard
Displays the operational BPDU guard.

oper-bpdu-filter
Displays the operational BPDU filter.

link-type
Displays the point-to-point - enable rapid transition.

rx-bpdu-count

Displays the received BPDU count.

tx-bpdu-count

Displays the transmitted BPDU count.

instance-id

Displays the instance ID of the last received spanning-tree instance.

msti-root-id

Displays the MSTI Root ID.

msti-bridge-id

Displays the MSTI bridge ID.

msti-bridge-priority

Displays the MSTI bridge priority.

vlan-id

Displays the VLAN ID.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-stp-mst-detail

Request Body

```
<get-stp-mst-detail></get-stp-mst-detail>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-xstp-ext'>
  <cist>
    <cist-root-id>8000.01e0.5200.05bf</cist-root-id>
    <cist-bridge-id>8000.01e0.5200.05bf</cist-bridge-id>
    <cist-reg-root-id>8000.01e0.5200.05bf</cist-reg-root-id>
    <root-forward-delay>15</root-forward-delay>
    <hello-time>2</hello-time>
    <max-age>20</max-age>
    <max-hops>20</max-hops>
    <migrate-time>3</migrate-time>
    <port>
      <interface-type>port-channel</interface-type>
      <interface-name>2/0/12</interface-name>
      <spanningtree-enabled>>false</spanningtree-enabled>
      <if-index>403046411</if-index>
      <interface-id>32768</interface-id>
      <if-role>disabled</if-role>
      <if-state>forwarding</if-state>
      <internal-path-cost>0</internal-path-cost>
      <external-path-cost>0</external-path-cost>
      <configured-path-cost>20000000</configured-path-cost>
      <designated-port-id>0</designated-port-id>
      <port-priority>128</port-priority>
      <designated-bridge-id>0000.0000.0000.0000</designated-bridge-id>
      <forward-transitions-count>0</forward-transitions-count>
      <port-hello-time>2</port-hello-time>
      <received-stp-type>none</received-stp-type>
      <transmitted-stp-type>mstp</transmitted-stp-type>
      <edge-port>off</edge-port>
      <auto-edge>no</auto-edge>
      <edge-delay>3</edge-delay>
      <admin-edge>no</admin-edge>
      <boundary-port>yes</boundary-port>
      <configured-root-guard>off</configured-root-guard>
      <oper-root-guard>off</oper-root-guard>
      <oper-bpdu-guard>off</oper-bpdu-guard>
      <oper-bpdu-filter>off</oper-bpdu-filter>
      <link-type>point-to-point</link-type>
      <rx-bpdu-count>0</rx-bpdu-count>
      <tx-bpdu-count>0</tx-bpdu-count>
    </port>
  </cist>
  <msti>
    <instance-id>1</instance-id>
    <msti-root-id>8001.01e0.5200.05bf</msti-root-id>
    <msti-bridge-id>8001.01e0.5200.05bf</msti-bridge-id>
    <msti-bridge-priority>32769</msti-bridge-priority>
    <port>
      <interface-type>port-channel</interface-type>
      <interface-name>2/0/12</interface-name>
      <spanningtree-enabled>>false</spanningtree-enabled>
      <if-index>403046411</if-index>
      <interface-id>32768</interface-id>
```

```

<if-role>disabled</if-role>
<if-state>forwarding</if-state>
<internal-path-cost>0</internal-path-cost>
<configured-path-cost>20000000</configured-path-cost>
<designated-port-id>0</designated-port-id>
<port-priority>128</port-priority>
<designated-bridge-id>0000.0000.0000</designated-bridge-id>
<forward-transitions-count>0</forward-transitions-count>
<received-stp-type>none</received-stp-type>
<transmitted-stp-type>mstp</transmitted-stp-type>
<edge-port>off</edge-port>
<auto-edge>no</auto-edge>
<edge-delay>3</edge-delay>
<admin-edge>no</admin-edge>
<boundary-port>yes</boundary-port>
<rx-bpdu-count>0</rx-bpdu-count>
<tx-bpdu-count>0</tx-bpdu-count>
</port>
</msti>
<has-more>>false</has-more>
</output>

```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-system-uptime

Retrieves the time since this managed entity was last re-initialized.

Resource URIs

URI	Description
<base_URI>/operations/get-system-uptime	Retrieves the time since this managed entity was last re-initialized.

Parameters

rbridge-id

Displays the RBridge ID.

days

Displays the number of days the managed node is up since its last re-initialization.

hours

Displays the number of hours the managed node is up since its last re-initialization.

minutes

Displays the number of minutes the managed node is up since its last re-initialization.

seconds

Displays the number of seconds the managed node is up since its last re-initialization.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-system-uptime

Request Body

```
<get-system-uptime></get-system-uptime>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-system'>
  <show-system-uptime>
    <rbridge-id>1</rbridge-id>
    <days>0</days>
    <hours>5</hours>
    <minutes>53</minutes>
    <seconds>4</seconds>
  </show-system-uptime>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vcs-details

Retrieves the VCS Fabric configuration information.

Resource URIs

URI	Description
<base_URI>/operational-state/get-vcs-details	Retrieves the VCS Fabric configuration information.

Parameters

node-vcs-mode

Displays the node's VCS mode.

local-switch-wwn

Displays the WWN of local switch.

node-vcs-type

Displays the VCS types.

node-vcs-id

Displays the VCS ID.

principal-switch-wwn

Displays the WWN of the principal switch.

co-ordinator-wwn

Displays the WWN of the coordinator switch.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vcs-details

Request Body

```
<get-vcs-details></get-vcs-details>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vcs'>
  <vcs-details>
    <node-vcs-mode>true</node-vcs-mode>
    <local-switch-wwn>10:00:00:27:F8:54:4F:98</local-switch-wwn>
    <node-vcs-type>vcs-management-cluster</node-vcs-type>
    <node-vcs-id>1</node-vcs-id>
    <principal-switch-wwn>10:00:00:27:F8:54:4F:98</principal-switch-wwn>
    <co-ordinator-wwn>10:00:00:27:F8:54:4F:98</co-ordinator-wwn>
  </vcs-details>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vlan-brief

Retrieves the operational data for a given VLAN and enumeration of all the interfaces belonging to the VLAN.

Resource URIs

URI	Description
<base_URI>/operations/get-vlan-brief	Retrieves the operational data for a given VLAN and enumeration of all the interfaces belonging to the VLAN.

Parameters

- vlan-id*
Displays the VLAN ID.
- vlan-type*
Displays the VLAN type.
- vlan-name*
Displays the administrative name of the VLAN.
- vlan-state*
Displays the operational state of the VLAN.
- last-vlan-id*
Displays the last VLAN record that has been fetched.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vlan-brief

Request Body

```
<get-vlan-brief></get-vlan-brief>
```

If the entire information cannot be retrieved in a single execution, the last lines of output says has-more=true. In such cases the remaining information can be retrieved using "last-rcvd-interface" as shown in the request body below.

```
<get-vlan-brief xmlns="urn:brocade.com:mgmt:brocade-interface-ext">
  <last-rcvd-vlan-id>1</last-rcvd-vlan-id>
</get-vlan-brief>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-interface-ext'>
  <configured-vlans-count>1</configured-vlans-count>
  <provisioned-vlans-count>1</provisioned-vlans-count>
  <unprovisioned-vlans-count>0</unprovisioned-vlans-count>
  <vlan>
    <vlan-id>1</vlan-id>
    <vlan-type>static</vlan-type>
    <vlan-name>default</vlan-name>
    <vlan-state>suspend</vlan-state>
  </vlan>
  <last-vlan-id>1</last-vlan-id>
  <has-more>>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vmppolicy-macaddr

Shows vnics/vmkcnics to port group to port-profile association.

Resource URIs

URI	Description
<base_URI>/operations/get-vmppolicy-macaddr	Shows vnics/vmkcnics to port group to port-profile association.

Parameters

- mac*
Displays the MAC address in HH:HH:HH:HH:HH:HH format.
- datacenter*
Displays the name of the datacenter.
- dvpgrp-nn*
Displays the distributed virtual port group.
- port-prof*
Displays the Port-profile.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vmppolicy-macaddr

Request Body

```
<get-vmppolicy-macaddr>
  <vcenter>VC6</vcenter>
</get-vmppolicy-macaddr>
```

Response Body

```
<output xmlns="urn:brocade.com:mgmt:brocade-vswitch">
  <vmppolicy-macaddr>
    <mac>00:21:5e:c6:0e:c8</mac>
    <datacenter>datacenter-4381</datacenter>
    <dvpgrp-nn>Management Network</dvpgrp-nn>
    <port-prof>auto_VC6_datacenter-4381_Management+Network</port-prof>
  </vmppolicy-macaddr>
  <vmppolicy-macaddr>
    <mac>00:50:56:aa:02:ee</mac>
    <datacenter>datacenter-4381</datacenter>
    <name>VM40</name>
    <dvpgrp-nn>pg3</dvpgrp-nn>
    <port-prof>auto_VC6_datacenter-4381_pg3</port-prof>
  </vmppolicy-macaddr>
  <vmppolicy-macaddr>
    <mac>00:50:56:aa:2d:36</mac>
    <datacenter>datacenter-2</datacenter>
    <name>VM10</name>
    <dvpgrp-nn>VM Network</dvpgrp-nn>
    <port-prof>auto_VC6_datacenter-2_VM+Network</port-prof>
  </vmppolicy-macaddr>
  <vmppolicy-macaddr>
    <mac>00:50:56:aa:3b:d7</mac>
    <datacenter>datacenter-4381</datacenter>
    <name>VM_Temp</name>
    <dvpgrp-nn>vlan-castor-19</dvpgrp-nn>
  </vmppolicy-macaddr>
  <vmppolicy-macaddr>
    <mac>00:50:56:b3:2d:ee</mac>
    <datacenter>datacenter-2</datacenter>
    <name>KVM_Hyperv_103_castor_castor-t</name>
  </vmppolicy-macaddr>
  <vmppolicy-macaddr>
    <mac>00:50:56:b3:43:74</mac>
    <datacenter>datacenter-2</datacenter>
    <name>KVM_Hyperv_105_castort_castor</name>
  </vmppolicy-macaddr>
  <vmppolicy-macaddr>
    <mac>e4:1f:13:31:cb:88</mac>
    <datacenter>datacenter-2</datacenter>
    <dvpgrp-nn>Management Network</dvpgrp-nn>
    <port-prof>auto_VC6_datacenter-2_Management+Network</port-prof>
  </vmppolicy-macaddr>
  <vmppolicy-macaddr>
    <mac>e4:1f:13:31:d3:f4</mac>
    <datacenter>datacenter-2</datacenter>
    <dvpgrp-nn>Management Network</dvpgrp-nn>
    <port-prof>auto_VC6_datacenter-2_Management+Network</port-prof>
  </vmppolicy-macaddr>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vnetwork-dvpgs

Shows discovered distributed virtual port groups.

Resource URIs

URI	Description
<base_URI>/operations/get-vnetwork-dvpgs	Shows discovered distributed virtual port groups.

Parameters

name

Displays the port group name.

datacenter

Displays the datacenter name.

dvs-nn

Displays the distributed virtual switch.

vlan

Displays the allowed VLANs.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vnetwork-dvpgs

Request Body

```
<get-vnetwork-dvpgs>
  <vcenter>VC6</vcenter>
</get-vnetwork-dvpgs>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vswitch'>
  <vnetwork-dvpgs>
    <name>dvPortGroup</name>
    <datacenter>datacenter-2</datacenter>
    <dvs-nn>dvSwitch</dvs-nn>
    <vlan>0,</vlan>
  </vnetwork-dvpgs>
  <vnetwork-dvpgs>
    <name>dvSwitch-DVUplinks-4504</name>
    <datacenter>datacenter-2</datacenter>
    <dvs-nn>dvSwitch</dvs-nn>
    <vlan>0-4094,</vlan>
  </vnetwork-dvpgs>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vnetwork-dvs

Shows discovered Distributed Virtual Switches.

Resource URIs

URI	Description
<base_URI>/operations/get-vnetwork-dvs	Shows discovered Distributed Virtual Switches.

Parameters

name

Displays the distributed virtual switch name.

datacenter

Displays the host datacenter.

host

Displays the host name.

pnic

Displays the host NIC.

interface-type

Displays the interface type.

interface-name

Displays the interface name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vnetwork-dvs

Request Body

```
<get-vnetwork-dvs>
  <vcenter>VC6</vcenter>
</get-vnetwork-dvs>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vswitch'>
  <vnetwork-dvs>
    <name>dvSwitch</name>
    <datacenter>datacenter-2</datacenter>
    <host>ESX5-1-74.englab.brocade.com</host>
    <pnid>vmnic4</pnid>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-dvs>
  <vnetwork-dvs>
    <name>dvSwitch</name>
    <datacenter>datacenter-2</datacenter>
    <host>ESX5-1-74.englab.brocade.com</host>
    <pnid>vmnic5</pnid>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-dvs>
  <vnetwork-dvs>
    <name>dvSwitch</name>
    <datacenter>datacenter-2</datacenter>
    <host>ESX5-1-74.englab.brocade.com</host>
    <pnid>vmnic8</pnid>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-dvs>
  <vnetwork-dvs>
    <name>dvSwitch</name>
    <datacenter>datacenter-2</datacenter>
    <host>ESX5-1-74.englab.brocade.com</host>
    <pnid>vmnic9</pnid>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-dvs>
  <instance-id>0</instance-id>
  <has-more>false</has-more>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vnetwork-hosts

Shows discovered hosts.

Resource URIs

URI	Description
<base_URI>/operations/get-vnetwork-hosts	Shows discovered hosts.

Parameters

name

Displays the host name.

datacenter

Displays the host datacenter.

vmnic

Displays the host NIC.

mac

Displays the vmnic MAC address in HH:HH:HH:HH:HH:HH format.

vswitch

Displays the regular or distributed virtual switch.

interface-type

Displays the interface type.

interface-name

Displays the interface name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vnetwork-hosts

Request Body

```
<get-vnetwork-hosts>
  <vcenter>VC6</vcenter>
</get-vnetwork-hosts>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vswitch'>
  <vnetwork-hosts>
    <name>ESX5-0-72.englab.brocade.com</name>
    <datacenter>datacenter-2</datacenter>
    <vmnic>vmnic0</vmnic>
    <mac>e4:1f:13:31:d3:f4</mac>
    <vswitch>vSwitch0</vswitch>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-hosts>
  <vnetwork-hosts>
    <name>ESX5-0-72.englab.brocade.com</name>
    <datacenter>datacenter-2</datacenter>
    <vmnic>vmnic1</vmnic>
    <mac>e4:1f:13:31:d3:f6</mac>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-hosts>
  <vnetwork-hosts>
    <name>ESX5-0-72.englab.brocade.com</name>
    <datacenter>datacenter-2</datacenter>
    <vmnic>vmnic2</vmnic>
    <mac>00:1b:21:90:67:b4</mac>
    <vswitch>vSwitch1</vswitch>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-hosts>
  <vnetwork-hosts>
    <name>ESX5-0-72.englab.brocade.com</name>
    <datacenter>datacenter-2</datacenter>
    <vmnic>vmnic4</vmnic>
    <mac>00:1b:21:90:67:b6</mac>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-hosts>
  <vnetwork-hosts>
    <name>ESX5-0-72.englab.brocade.com</name>
    <datacenter>datacenter-2</datacenter>
    <vmnic>vusb0</vmnic>
    <mac>e6:1f:13:2b:23:f7</mac>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-hosts>
  <vnetwork-hosts>
    <name>ESX5-1-74.englab.brocade.com</name>
    <datacenter>datacenter-2</datacenter>
    <vmnic>vmnic0</vmnic>
    <mac>00:21:5e:c6:b6:ec</mac>
    <vswitch>vSwitch0</vswitch>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
```

```

</vnetwork-hosts>
<vnetwork-hosts>
  <name>ESX5-1-74.englab.brocade.com</name>
  <datacenter>datacenter-2</datacenter>
  <vmnic>vmnic13</vmnic>
  <mac>00:1b:21:90:70:2d</mac>
  <vswitch>vSwitch1</vswitch>
  <interface-type>unknown</interface-type>
  <interface-name></interface-name>
</vnetwork-hosts>
<vnetwork-hosts>
  <name>esx5-0-70.englab.brocade.com</name>
  <datacenter>datacenter-2</datacenter>
  <vmnic>vusb0</vmnic>
  <mac>e6:1f:13:2b:1b:8b</mac>
  <interface-type>unknown</interface-type>
  <interface-name></interface-name>
</vnetwork-hosts>
<instance-id>0</instance-id>
<has-more>false</has-more>
</output>

```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vnetwork-portgroups

Shows discovered Port groups.

Resource URIs

URI	Description
<base_URI>/operations/get-vnetwork-portgroups	Shows discovered Port groups.

Parameters

name

Displays the host name.

datacenter

Displays the host datacenter.

vlan

Displays the allowed VLANs.

host-nn

Displays the host name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vnetwork-portgroups

Request Body

```
<get-vnetwork-portgroups>
  <vcenter>VC6</vcenter>
</get-vnetwork-portgroup>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vswitch'>
  <vnetwork-pgs>
    <name>Management Network</name>
    <datacenter>datacenter-2</datacenter>
    <vlan>0</vlan>
    <host-nn>ESX5-0-72.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>PG-1001</name>
    <datacenter>datacenter-2</datacenter>
    <vlan>100</vlan>
    <host-nn>esx5-0-70.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>VM Network</name>
    <datacenter>datacenter-2</datacenter>
    <vlan>0</vlan>
    <host-nn>ESX5-0-72.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>VM Network</name>
    <datacenter>datacenter-2</datacenter>
    <vlan>0</vlan>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>VM Network</name>
    <datacenter>datacenter-2</datacenter>
    <vlan>0</vlan>
    <host-nn>esx5-0-70.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>VM Network</name>
    <datacenter>datacenter-4381</datacenter>
    <vlan>0</vlan>
    <host-nn>ESX5-1-75.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>VM Network</name>
    <datacenter>datacenter-4381</datacenter>
    <vlan>0</vlan>
    <host-nn>ESXi5-0-71.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>VM Network 2</name>
    <datacenter>datacenter-2</datacenter>
    <vlan>0</vlan>
    <host-nn>ESX5-0-72.englab.brocade.com</host-nn>
  </vnetwork-pgs>
  <vnetwork-pgs>
    <name>VM Network 2</name>
```

```

    <datacenter>datacenter-2</datacenter>
    <vlan>0</vlan>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-pgs>
</vnetwork-pgs>
<vnetwork-pgs>
  <name>VM Network 2</name>
  <datacenter>datacenter-2</datacenter>
  <vlan>4095</vlan>
  <host-nn>esx5-0-70.englab.brocade.com</host-nn>
</vnetwork-pgs>
<vnetwork-pgs>
  <name>pg4</name>
  <datacenter>datacenter-4381</datacenter>
  <vlan>100</vlan>
  <host-nn>ESX5-1-75.englab.brocade.com</host-nn>
</vnetwork-pgs>
<instance-id>0</instance-id>
<has-more>>false</has-more>
</output>

```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vnetwork-vm

Shows discovered VMs.

Resource URIs

URI	Description
<base_URI>/operations/get-vnetwork-vm	Shows discovered VMs.

Parameters

name

Displays the host name.

datacenter

Displays the host datacenter.

mac

Displays the MAC address.

host-nn

Displays the host name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vnetwork-vms

Request Body

```
<get-vnetwork-vms>
  <vcenter>VC6</vcenter>
</get-vnetwork-vms>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vswitch'>
  <vnetwork-vms>
    <name>KVM_Hyperv_101_castor_castor</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:5e:25</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_101_castor_castor</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:6b:19</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_102_castor_nexus</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:37:c6</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_102_castor_nexus</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:78:fb</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_103_castor_castor-t</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:69:ca</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_106_castort_nexus</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:76:ce</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_107_castort_castor-t</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:39:f4</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_107_castort_castor-t</name>
    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:68:a3</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vms>
  <vnetwork-vms>
    <name>KVM_Hyperv_108_castort_callisto</name>
```

```

    <datacenter>datacenter-2</datacenter>
    <mac>00:50:56:b3:6e:22</mac>
    <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
  </vnetwork-vm>
</vnetwork-vm>
<vnetwork-vm>
  <name>Vm_test_clone1</name>
  <datacenter>datacenter-4381</datacenter>
  <mac>00:50:56:aa:43:33</mac>
  <host-nn>ESX5-1-75.englab.brocade.com</host-nn>
</vnetwork-vm>
<vnetwork-vm>
  <name>centos-don-script</name>
  <datacenter>datacenter-2</datacenter>
  <mac>00:50:56:8d:3c:a6</mac>
  <ip>255.255.255.255</ip>
  <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
</vnetwork-vm>
<vnetwork-vm>
  <name>centos-don-script</name>
  <datacenter>datacenter-2</datacenter>
  <mac>00:50:56:8d:44:0d</mac>
  <ip>255.255.255.255</ip>
  <host-nn>ESX5-1-74.englab.brocade.com</host-nn>
</vnetwork-vm>
<instance-id>0</instance-id>
<has-more>false</has-more>
</output>

```

History

Release version	Command history
16r.1.00	This API call was introduced.

get-vnetwork-vswitches

Shows discovered Virtual Switches.

Resource URIs

URI	Description
<base_URI>/operations/get-vnetwork-vswitches	Shows discovered Virtual Switches.

Parameters

name

Displays the virtual switch name.

datacenter

Displays the host datacenter.

host

Displays the host name.

pnic

Displays the host NIC.

interface-type

Displays the interface type.

interface-name

Displays the interface name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/get-vnetwork-vswitches

Request Body

```
<get-vnetwork-vswitches>
  <vcenter>VC6</vcenter>
</get-vnetwork-vswitches>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vswitch'>
  <vnetwork-vswitches>
    <name>vSwitch0</name>
    <datacenter>datacenter-2</datacenter>
    <host>ESX5-0-72.englab.brocade.com</host>
    <pnictype>vmnic0</pnictype>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <vnetwork-vswitches>
    <name>vSwitch0</name>
    <datacenter>datacenter-2</datacenter>
    <host>ESX5-1-74.englab.brocade.com</host>
    <pnictype>vmnic0</pnictype>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <vnetwork-vswitches>
    <name>vSwitch2</name>
    <datacenter>datacenter-2</datacenter>
    <host>esx5-0-70.englab.brocade.com</host>
    <pnictype>vmnic1</pnictype>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <vnetwork-vswitches>
    <name>vSwitch3</name>
    <datacenter>datacenter-4381</datacenter>
    <host>ESX5-1-75.englab.brocade.com</host>
    <pnictype>vmnic4</pnictype>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <vnetwork-vswitches>
    <name>vSwitch4</name>
    <datacenter>datacenter-4381</datacenter>
    <host>ESX5-1-75.englab.brocade.com</host>
    <pnictype>vmnic5</pnictype>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <vnetwork-vswitches>
    <name>vSwitch4</name>
    <datacenter>datacenter-4381</datacenter>
    <host>ESX5-1-75.englab.brocade.com</host>
    <pnictype>vmnic6</pnictype>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <vnetwork-vswitches>
    <name>vSwitch4</name>
```

```

    <datacenter>datacenter-4381</datacenter>
    <host>ESX5-1-75.englab.brocade.com</host>
    <pnid>vmnic7</pnid>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <vnetwork-vswitches>
    <name>vSwitch4</name>
    <datacenter>datacenter-4381</datacenter>
    <host>ESX5-1-75.englab.brocade.com</host>
    <pnid>vmnic8</pnid>
    <interface-type>unknown</interface-type>
    <interface-name></interface-name>
  </vnetwork-vswitches>
  <instance-id>0</instance-id>
  <has-more>false</has-more>
</output>

```

History

Release version	Command history
16r.1.00	This API call was introduced.

maps-get-all-policy

Retrieves the existing MAPS policies.

Resource URIs

URI	Description
<base_URI>/operations/maps-get-all-policy	Retrieves the existing MAPS policies.

Parameters

policyname

Displays the MAPS policy name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/maps-get-all-policy

Request Body

```
<maps-get-all-policy></maps-get-all-policy>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-maps-ext'>
  <policy>
    <policyname>dflt_conservative_policy</policyname>
    <policyname>dflt_aggressive_policy</policyname>
    <policyname>dflt_moderate_policy</policyname>
  </policy>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

mpls-reopt-lsp

Directs the router to consider configuration changes made to an LSP and to optimize the LSP path based on those changes.

Resource URIs

URI	Description
<base_URI>/operations/mpls-reopt-lsp	Direct the router to consider configuration changes made to an LSP and to optimize the LSP path based on those changes.

Parameters

mpls-reoptimize-lsp-name-in
Specifies the LSP name.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/mpls-reopt-lsp

Request Body

```
<mpls-reopt-lsp><mpls-reoptimize-lsp-name-in>rest1</mpls-reoptimize-lsp-name-in></mpls-reopt-lsp>
```

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

reload

Reloads the device.

Resource URIs

URI	Description
<base_URI>/operations/reload	Reloads the device.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/reload

Request Body

<reload></reload>

Response Body

None

History

Release version	Command history
16r.1.00	This API call was introduced.

set-http-application-url

Updates the HTTP application URL.

Resource URIs

URI	Description
<base_URI>/operations/set-http-application-url	Update HTTP application URL.

Parameters

status-code

Displays the status code as URL updated successfully - 0, Error not able to update configuration - 1 or Error not able to remove configuration - 2.

status-string

Displays the error in string format.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/set-http-application-url

Request Body

```
<set-http-application-url>
  <config-http-app-url>
    <url>www.google.com</url>
    <op-type>0</op-type>
  </config-http-app-url>
</set-http-application-url>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-http-redirect'>
  <status-code>0</status-code>
  <status-string>Success</status-string>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-clock

Retrieves the current time for the cluster or specified switch.

Resource URIs

URI	Description
<base_URI>/operations/show-clock	Retrieves current time for the cluster or specified switch.

Parameters

current-time

Displays the switch date and time.

timezone

Displays the region/city or region/state/city.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-clock

Request Body

```
<show-clock></show-clock>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-clock'>
  <clock-time>
    <current-time>2014-05-19T16:25:06+00:00</current-time>
    <timezone>Etc/GMT+0</timezone>
  </clock-time>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-fabric-trunk-info

Retrieves all ISL trunk information in a fabric.

Resource URIs

URI	Description
<base_URI>/operations/show-fabric-trunk-info	Retrieves all ISL trunk information in a fabric.

Parameters

trunk-list-group

Provides the trunk group number the interface belongs to. Trunk members of a trunk group have the same group number.

trunk-list-src-port

Displays the source port index of the trunk member.

trunk-list-interface-type

Displays the interface type.

trunk-list-src-interface

Displays the source port interface info.

trunk-list-nbr-port

Displays neighbor port index of the trunk member.

trunk-list-nbr-interface-type

Displays the interface type.

trunk-list-nbr-interface

Displays the neighbor port interface info.

trunk-list-nbr-wwn

Displays WWN of the neighboring switch that connects to this trunk member port.

trunk-list-is-primary

Indicates whether the port is Trunk master or not.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-fabric-trunk-info

Request Body

```
<show-fabric-trunk-info></show-fabric-trunk-info>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-fabric-service'>
  <show-trunk-list xmlns="urn:brocade.com:mgmt:brocade-fabric-service">
    <trunk-list-groups>
      <trunk-list-group>1</trunk-list-group>
      <trunk-list-member>
        <trunk-list-src-port>174</trunk-list-src-port>
        <trunk-list-interface-type>Te</trunk-list-interface-type>
        <trunk-list-src-interface>6/0/31</trunk-list-src-interface>
        <trunk-list-nbr-port>94</trunk-list-nbr-port>
        <trunk-list-nbr-interface-type>Te</trunk-list-nbr-interface-type>
        <trunk-list-nbr-interface>7/0/31</trunk-list-nbr-interface>
        <trunk-list-nbr-wwn>10:00:00:05:33:E5:E7:FF</trunk-list-nbr-wwn>
        <trunk-list-is-primary>True</trunk-list-is-primary>
      </trunk-list-member>
      <trunk-list-member>
        <trunk-list-src-port>175</trunk-list-src-port>
        <trunk-list-interface-type>Te</trunk-list-interface-type>
        <trunk-list-src-interface>6/0/32</trunk-list-src-interface>
        <trunk-list-nbr-port>95</trunk-list-nbr-port>
        <trunk-list-nbr-interface-type>Te</trunk-list-nbr-interface-type>
        <trunk-list-nbr-interface>7/0/32</trunk-list-nbr-interface>
        <trunk-list-nbr-wwn>10:00:00:05:33:E5:E7:FF</trunk-list-nbr-wwn>
        <trunk-list-is-primary>False</trunk-list-is-primary>
      </trunk-list-member>
    </trunk-list-groups>
  </show-trunk-list>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-fibrechannel-interface-info

Retrieves the detailed information of FibreChannel ports.

Resource URIs

URI	Description
<base_URI>/operations/show-fibrechannel-interface-info	Retrieves the detailed information of FibreChannel ports.

Parameters

portsgroup-rbridgeid

Displays the RBridge ID of the switch.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-fibrechannel-interface-info

Request Body

```
<show-fibrechannel-interface-info></show-fibrechannel-interface-info>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-fabric-service'>
  <show-fibrechannel-interface>
    <portsgroup-rbridgeid>1</portsgroup-rbridgeid>
  </show-fibrechannel-interface>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-firmware-version

Retrieves the firmware version information.

Resource URIs

URI	Description
<base_URI>/operations/show-firmware-version	Retrieves the firmware version information.

Parameters

os-name

Displays the name of the Firmware version. Example: NOS, FOS, SLX-OS, and so on.

os-version

Displays the version of the Firmware.

copy-right-info

Displays the copyright information of the Firmware.

build-time

Displays the time information on the build of Firmware.

firmware-full-version

Displays the full version string of Firmware.

control-processor-vendor

Displays the information on the control processor.

control-processor-chipset

Displays the information on the control processor.

control-processor-memory

Displays the information on the control processor.

slot-no

Displays the slot number.

node-instance-no

Displays the instance number.

Node-type

Displays the node type.

ls-active-cp

Indicates whether the control processor is active or not.

application-name

Displays the name of the application.

primary-version

Indicates the primary version.

secondary-version

Indicates the secondary version.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-firmware-version

Request Body

```
<show-firmware-version></show-firmware-version>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-firmware-ext'>
  <show-firmware-version>
    <os-name>SLX Operating System Software</os-name>
    <os-version>16r.1.00</os-version>
    <copy-right-info>Copyright (c) 2016 Brocade Communications Systems, Inc.</copy-right-info>
    <build-time>Sun Aug 7 12:29:51 2016
  </build-time>
  <firmware-full-version>16r.1.00slxos_16r.1.00_patch_160807_0300</firmware-full-version>
  <control-processor-vendor></control-processor-vendor>
  <control-processor-chipset></control-processor-chipset>
  <control-processor-memory>7890 MB</control-processor-memory>
  <node-info>
    <slot-no>1</slot-no>
    <node-instance-no>0</node-instance-no>
    <node-type>type-mm</node-type>
    <is-active-cp>true</is-active-cp>
    <firmware-version-info>
      <application-name>NOS</application-name>
      <primary-version>16r.1.00slxos_16r.1.00_patch_160807_0300</primary-version>
      <secondary-version>16r.1.00slxos_16r.1.00_patch_160807_0300</secondary-version>
    </firmware-version-info>
  </node-info>
  <node-info>
    <slot-no>2</slot-no>
    <node-instance-no>0</node-instance-no>
    <node-type>type-mm</node-type>
    <firmware-version-info>
      <application-name>NOS</application-name>
      <primary-version>16r.1.00slxos_16r.1.00_patch_160807_0300</primary-version>
      <secondary-version>16r.1.00slxos_16r.1.00_patch_160807_0300</secondary-version>
    </firmware-version-info>
  </node-info>
  <node-info>
    <slot-no>3</slot-no>
    <node-instance-no>0</node-instance-no>
    <node-type>type-lc</node-type>
    <firmware-version-info>
      <application-name>NOS</application-name>
      <primary-version>16r.1.00slxos_16r.1.00_patch_160807_0300</primary-version>
      <secondary-version>16r.1.00slxos_16r.1.00_patch_160807_0300</secondary-version>
    </firmware-version-info>
  </node-info>
</show-firmware-version>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-linkinfo

Retrieves details of all the links connected in the fabric.

Resource URIs

URI	Description
<base_URI>/operations/show-linkinfo	Retrieves details of all the links connected in the fabric.

Parameters

linkinfo-domain-reachable

Indicates whether the RBridge is reachable or not.

linkinfo-version

Displays the FSPF version.

linkinfo-wwn

Displays the WWN of the switch.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-linkinfo

Request Body

```
<show-linkinfo></show-linkinfo>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-fabric-service'>
  <show-link-info>
    <linkinfo-domain-reachable>Yes</linkinfo-domain-reachable>
    <linkinfo-version>1</linkinfo-version>
    <linkinfo-wwn>10:00:00:27:F8:54:4F:98</linkinfo-wwn>
  </show-link-info>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-portindex-interface-info

Retrieves the details of physical interfaces and FibreChannel over Ethernet (FCoE) ports.

Resource URIs

URI	Description
<base_URI>/operations/show-portindex-interface-info	Retrieves the details of physical interfaces and Fibre Channel over Ethernet (FCoE) ports.

Parameters

port-index

Displays the port index of the RBridge.

port-interface

Displays the port index interface of the RBridge.

port-type

Displays the port type of the RBridge.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-portindex-interface-info

Request Body

```
<show-portindex-interface-info></show-portindex-interface-info>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-fabric-service'>
  <show-portindex-interface>
    <show-portindex>
      <port-index>0</port-index>
      <port-interface>1/1/1</port-interface>
      <port-type>Te</port-type>
    </show-portindex>
  </show-portindex-interface>
</output>
```


History

Release version	Command history
16r.1.00	This API call was introduced.

show-ntp

Retrieves NTP server information.

Resource URIs

URI	Description
<base_URI>/operations/show-ntp	Retrieves NTP server information.

Parameters

LOCL

Indicates whether the LOCL is true or false.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-ntp

Request Body

```
<show-ntp></show-ntp>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-ntp'>
  <node-active-server>
    <LOCL>true</LOCL>
  </node-active-server>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-raslog

Retrieves the entries of RASLOG.

Resource URIs

URI	Description
<base_URI>/operations/show-raslog	Retrieves the entries of RASLOG.

Parameters

number-of-entries

Displays the number of recent events to be fetched from the RASLOG entries.

index

Displays the sequence number for the message.

message-id

Displays the message identifier.

date-and-time-info

Displays the date and time of the message. The format is: YYYY-MM-DD/HH:MM:SS.SSSS (micro seconds).

severity

Displays the severity of the message. Valid values include: INFO, WARNING, ERROR, and CRITICAL.

log-type

Specifies if the message is a SYSTEM or DCE log.

repeat-count

Displays the number of times the particular event has occurred.

message

Displays the textual description of the event.

message-flag

Displays the type of the message.

switch-or-chassis-name

Displays the switch name or chassis name for the generator of the message..

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-raslog

Request Body

```
<show-raslog></show-raslog>
```

The API can be used to retrieve some number of last entries by providing the following tags as in the request body below.

```
<show-raslog xmlns="urn:brocade.com:mgmt:brocade-ras-ext">
  <number-of-latest-events>1</number-of-latest-events>
</show-raslog>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-ras-ext'>
  <show-all-raslog>
    <number-of-entries>1151</number-of-entries>
    <raslog-entries>
      <index>168099840</index>
      <message-id>SEC-1206</message-id>
      <date-and-time-info>2006/03/18-07:23:03:15</date-and-time-info>
      <severity>unknown</severity>
      <log-type>system</log-type>
      <repeat-count>1</repeat-count>
      <message>Login information: User [admin via telnet] Last Successful Login Time : Thu Aug 18
02:19:13 2016.</message>
      <message-flag>unknown</message-flag>
      <switch-or-chassis-name>SLX9850-4</switch-or-chassis-name>
    </raslog-entries>
  </show-all-raslog>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-support-save-status

Retrieves the information on the status of a recent support save request.

Resource URIs

URI	Description
<base_URI>/operations/show-support-save-status	Retrieves the information on the status of a recent support save request.

Parameters

rbridge-id

Displays the RBridge ID.

status

Displays the status of recent support save.

message

Displays the textual description of status of recent support save.

percentage-of-completion

Displays the value of percentage of completion.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-support-save-status

Request Body

```
<show-support-save-status></show-support-save-status>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-ras-ext'>
  <show-support-save-status>
    <rbridge-id>54</rbridge-id>
    <status>unknown</status>
    <message>supportsave is not running.</message>
    <percentage-of-completion>0</percentage-of-completion>
  </show-support-save-status>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-system-info

Retrieves the system information.

Resource URIs

URI	Description
<base_URI>/operations/show-system-info	Retrieves the system information.

Parameters

rbridge-id-out

Displays the RBridge ID.

stack-mac

Displays the MAC address of the switch.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-system-info

Request Body

```
<show-system-info></show-system-info>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-ras-ext'>
  <show-system-info>
    <rbridge-id>54</rbridge-id>
    <stack-mac>00:05:33:65:2b:4d</stack-mac>
  </show-system-info>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-system-monitor

Retrieves the overall status for a selected switch.

Resource URIs

URI	Description
<base_URI>/operations/show-system-monitor	Retrieves the overall status for a selected switch.

Parameters

switch-name

Displays the name of the switch.

switch-ip

Displays the IP address of the switch.

switch-state

Displays the switch status based on components.

switch-state-reason

Displays the component reason for switch status.

report-time

Displays the switch report time stamp.

component-name

Displays the component name.

component-state

Displays the component status based on thresholds.

port-area

Displays the port identifier.

port-name

Displays the port name.

port-state

Displays the port state.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-system-monitor

Request Body

```
<show-system-monitor></show-system-monitor>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-system-monitor-ext'>
  <switch-status>
    <switch-name>sw0</switch-name>
    <switch-ip>10.24.81.195</switch-ip>
    <switch-state>state-marginal</switch-state>
    <switch-state-reason>Switch Status is MARGINAL. Contributors:* MM non-redundant: (M2). (MARGINAL).</
switch-state-reason>
    <report-time>2014-06-11T09:40:21+00:00</report-time>
    <component-status>
      <component-name>Power supplies monitor</component-name>
      <component-state>state-healthy</component-state>
    </component-status>
  </switch-status>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-vcs

Retrieves the VCS information.

Resource URIs

URI	Description
<base_URI>/operations/show-vcs	Retrieves the VCS information.

Parameters

vcs-cluster-type-info

Displays the VCS type.

node-num

Displays the node number.

node-serial-num

Displays the serial number.

node-condition

Displays the node condition.

node-status

Displays the node status.

node-vcs-mode

Displays the node's VCS mode.

node-vcs-id

Displays the node VCS ID.

node-rbridge-id

Displays the node RBridge ID.

node-is-principal

Indicates if the node is management cluster principal.

node-co-ordinator

Indicates if the node is management cluster coordinator.

node-switch-mac

Displays the node switch MAC address.

node-switch-wwn

Displays the node switch WWN.

switch-fcf-mac

Displays the node FCF MAC address.

node-internal-ip-address

Displays the node internal IP address.

node-public-ip-address

Displays the node public IP address.

node-public-ipv6-address

Displays the node public IPv6 address.

node-swbd-number

Displays the node SWBD number.

firmware-version

Displays the node firmware version.

node-switchname

Displays the node switch name.

node-fabric-state

Displays the Fabric node state.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operational-state/show-vcs

Request Body

```
<show-vcs></show-vcs>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-vcs'>
  <vcs-cluster-type-info>vcs-stand-alone</vcs-cluster-type-info>
  <vcs-nodes>
    <vcs-node-info>
      <node-num>1</node-num>
      <node-serial-num>DCN0325K005</node-serial-num>
      <node-condition>Good</node-condition>
      <node-status>StandAlone</node-status>
      <node-vcs-mode>Disabled</node-vcs-mode>
      <node-vcs-id>0</node-vcs-id>
      <node-rbridge-id>1</node-rbridge-id>
      <node-is-principal>false</node-is-principal>
      <co-ordinator>false</co-ordinator>
      <node-switch-mac>60:9c:9f:0d:3a:89</node-switch-mac>
      <node-switch-wwn>27:00:00:10:D3:FF:E0:F8</node-switch-wwn>
      <switch-fcf-mac>00:00:00:00:00:00</switch-fcf-mac>
      <node-internal-ip-address>127.1.0.1</node-internal-ip-address>
      <node-public-ip-addresses>
        <node-public-ip-address>0.0.0.0</node-public-ip-address>
      </node-public-ip-addresses>
      <node-public-ipv6-addresses>
      </node-public-ipv6-addresses>
      <node-swbd-number>2000</node-swbd-number>
      <firmware-version>v16r.1.01slxos_16r.1.x_maint_160817_1900</firmware-version>
      <node-switchname>SLX</node-switchname>
      <node-switchtype>BR-SLX9850-4</node-switchtype>
      <node-switch-subtype>2</node-switch-subtype>
      <node-switch-description>Not supported in this platform</node-switch-description>
      <manufacturer-name>Not supported in this platform</manufacturer-name>
      <node-state>Online</node-state>
      <node-fabric-state></node-fabric-state>
    </vcs-node-info>
  </vcs-nodes>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.

show-zoning-enabled-configuration

Retrieves zoning-enabled configuration information.

Resource URIs

URI	Description
<base_URI>/operations/show-zoning-enabled-configuration	Retrieves zoning-enabled configuration information.

Parameters

cfg-name

Displays the name of the zone configuration.

zone-name

Displays the name of a zone to be added to the configuration.

entry-name

Displays the WWN of the device.

Usage Guidelines

Only POST operation is supported.

Examples

URI

http://host:80/rest/operations/show-zoning-enabled-configuration

Request Body

```
<show-zoning-enabled-configuration></show-zoning-enabled-configuration>
```

Response Body

```
<output xmlns='urn:brocade.com:mgmt:brocade-zone'>
  <enabled-configuration>
    <cfg-name></cfg-name>
    <has-more>>false</has-more>
  </enabled-configuration>
</output>
```

History

Release version	Command history
16r.1.00	This API call was introduced.