

Extreme SLX-OS YANG Reference Guide, 20.4.3

Supporting ExtremeRouting and ExtremeSwitching
SLX 9740, SLX 9640, SLX 9540, SLX 9250, SLX 9150,
Extreme 8820, Extreme 8720, and Extreme 8520

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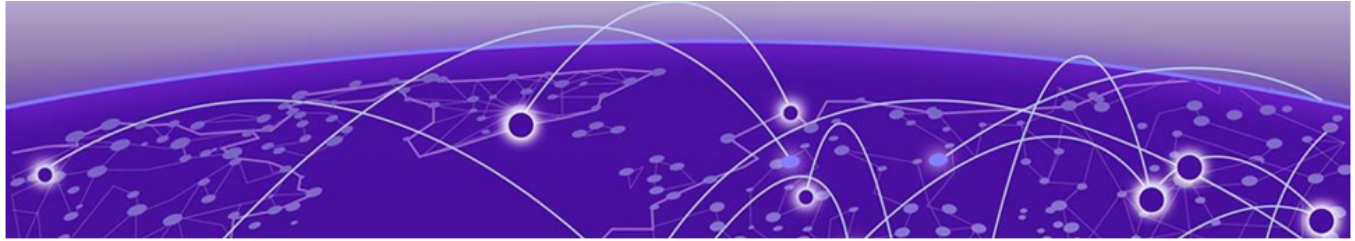


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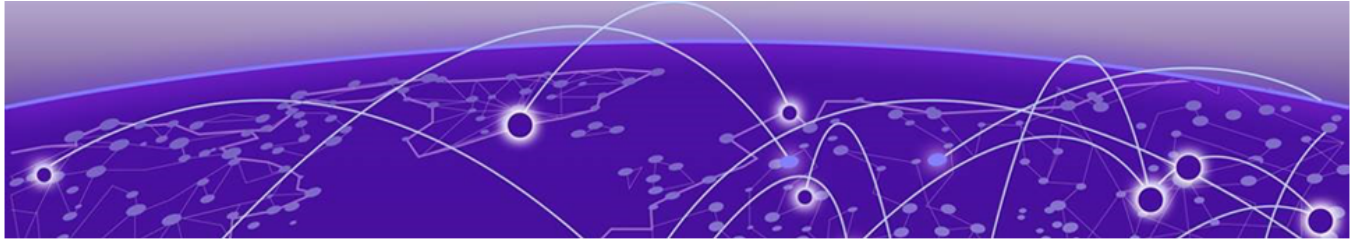
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Preface

Read the following topics to learn about:

- The meanings of text formats used in this document.
- Where you can find additional information and help.
- How to reach us with questions and comments.

Text Conventions

Unless otherwise noted, information in this document applies to all supported environments for the products in question. Exceptions, like command keywords associated with a specific software version, are identified in the text.

When a feature, function, or operation pertains to a specific hardware product, the product name is used. When features, functions, and operations are the same across an entire product family, such as ExtremeSwitching switches or SLX routers, the product is referred to as *the switch* or *the router*.

Table 1: Notes and warnings

Icon	Notice type	Alerts you to...
	Tip	Helpful tips and notices for using the product
	Note	Useful information or instructions
	Important	Important features or instructions
	Caution	Risk of personal injury, system damage, or loss of data
	Warning	Risk of severe personal injury

Table 2: Text

Convention	Description
screen displays	This typeface indicates command syntax, or represents information as it is displayed on the screen.
The words <i>enter</i> and <i>type</i>	When you see the word <i>enter</i> in this guide, you must type something, and then press the Return or Enter key. Do not press the Return or Enter key when an instruction simply says <i>type</i> .
Key names	Key names are written in boldface, for example Ctrl or Esc . If you must press two or more keys simultaneously, the key names are linked with a plus sign (+). Example: Press Ctrl+Alt+Del
<i>Words in italicized type</i>	Italics emphasize a point or denote new terms at the place where they are defined in the text. Italics are also used when referring to publication titles.
NEW!	New information. In a PDF, this is searchable text.

Table 3: Command syntax

Convention	Description
bold text	Bold text indicates command names, keywords, and command options.
<i>italic text</i>	Italic text indicates variable content.
[]	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.
x y	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, such as passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, <i>member</i> [<i>member</i> ...].
\	In command examples, the backslash indicates a “soft” line break. When a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

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[Release Notes](#)

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- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

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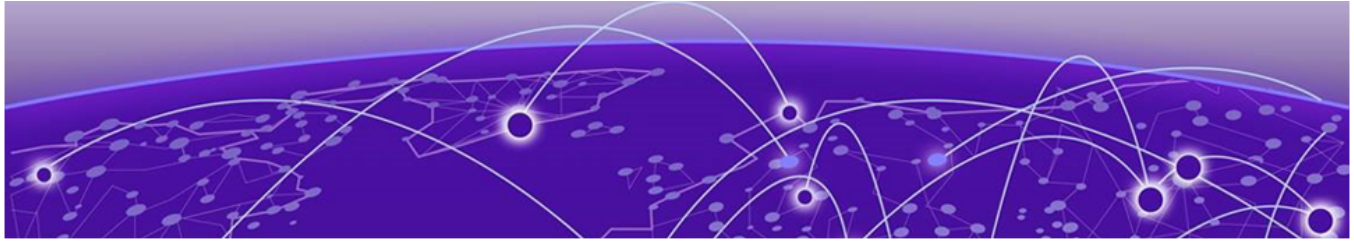
- Content errors, or confusing or conflicting information.

- Improvements that would help you find relevant information.
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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.



About This Document

[What's New in this Document](#) on page 13
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What's New in this Document

This document is released with the SLX-OS 20.4.3 software release.

For additional information, refer to the *Extreme SLX-OS Release Notes* for this version.

Supported Hardware

For instances in which a topic or part of a topic applies to some devices but not to others, the topic specifically identifies the devices.

SLX-OS 20.4.3 supports the following hardware platforms.

- Extreme 8820
- Extreme 8720
- Extreme 8520
- ExtremeSwitching SLX 9540
- ExtremeSwitching SLX 9250
- ExtremeSwitching SLX 9150
- ExtremeRouting SLX 9740
- ExtremeRouting SLX 9640



Note

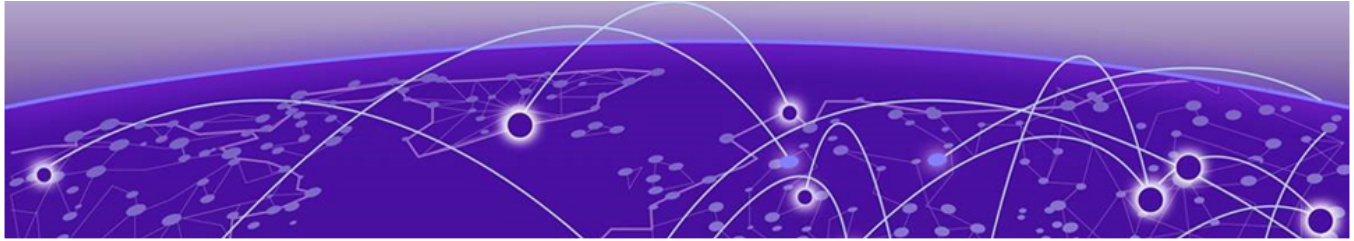
All configurations and software features that are applicable to SLX 9150 and SLX 9250 devices are also applicable for the Extreme 8520 and Extreme 8720 devices respectively. All configurations and software features that are applicable to SLX 9740 devices are also applicable for the Extreme 8820 devices.

The "Measured Boot with Remote Attestation" feature is only applicable to the Extreme 8520, Extreme 8720, and Extreme 8820 devices. It is not supported on the SLX 9150 and SLX 9250 devices.

**Note**

Although many software and hardware configurations are tested and supported for this release, documenting all possible configurations and scenarios is beyond this document's scope.

For information about other releases, see the documentation for those releases.



Using YANG

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YANG overview

YANG is a data modeling language used for modeling configuration and state data for manipulation by using remote procedure calls (RPCs).

Refer to RFC 6020, YANG - A Data Modeling Language for the Network Configuration Protocol (NETCONF), for full details of how to use YANG, and for a reference of all the features of the YANG language.

Using the SLX-OS YANG Reference Guide

The *Extreme SLX-OS YANG Reference Guide* is a reference for YANG modules supported by SLX-OS 20.4.1.

Each module provides a data model for a specific part of the system. It models the data using one or more of the following entities:

- Top-level nodes and their subtrees
- Subtrees that augment nodes in other YANG modules
- Custom RPCs
- Custom actions that make use of the proprietary action mechanism

The client will receive notification as documented in Notifications section for certain events. (You must register in order to receive notifications from the server.)

For each module, this manual provides a high-level description of what the module does. It also provides the structure of each top-level node, external augmentation, custom RPC, and action.

The **pyang** command with the **-f tree** option is used to illustrate the YANG code. This utility resolves the uses and augments statements to provide an easy-to-read view of the structure of the YANG code. The following example shows part of the module.

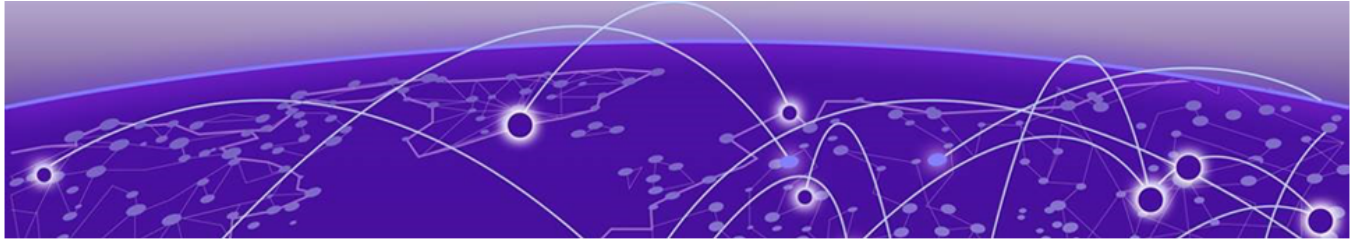
```
module:
  +--rw interface
  |   +--rw fc-port [name]
  |       +--rw name                interface-type
  |       +--rw fc-speed-cfg?       fc-speed-cfg-type
  |       +--rw fill-word?          fc-fillword-cfg-type
  |       +--rw vc-link-init?       fc-vc-link-init-cfg-type
```

```
|      +---rw isl-r_rdy-mode?      empty
|      +---rw trunk-enable?        empty
|      +---rw shutdown?            empty
```

In addition to showing the structure, the output of the **pyang -f tree** command provides information about each node, as shown in the table below. Field definitions and possible values are shown in the following table.

Table 4: Field descriptions

Field	Value
status	Status of the node can be one of the following values: + Current x Deprecated o Obsolete
status	Type of information can be one of the following values: rw Read-write (The node contains configuration data) -ro Read-only (The node contains operational data) -x RPC statement -n Notification (not supported)
flags	The name of the node can be further modified by one of the following values: (name) Choice node :(name) Case node prefix:name Augmented from external module
name	The following optional values can be used: ? Optional leaf or presence container * Leaf list [keys] Keys for a list
type	The type of the leaf or leaf-list. If the specified type is other than one of the basic types, then the type is defined in a typedef statement in the .yang file.



YANG Modules

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brocade-aaa

Provides a data model for configuring authentication, authorization, and accounting (AAA).

Top-level container

```

module: brocade-aaa
  +--rw aaa-config
  |   +--rw aaa
  |   |   +--rw authentication
  |   |   |   +--rw login
  |   |   |   |   +--rw first?    enumeration
  |   |   |   |   +--rw second?   enumeration
  |   |   +--rw accounting
  |   |   |   +--rw exec
  |   |   |   |   +--rw defaultacc
  |   |   |   |   |   +--rw start-stop
  |   |   |   |   |   +--rw server-type?  acc_srv_type
  |   |   |   +--rw commands
  |   |   |   |   +--rw defaultacc
  |   |   |   |   |   +--rw start-stop
  |   |   |   |   |   +--rw server-type?  acc_srv_type
  |   |   +--rw authorization
  |   |   |   +--rw command
  |   |   |   |   +--rw firstauthor?  enumeration
  |   |   |   |   +--rw secondauthor? enumeration
  |   +--rw username* [name]
  |   |   +--rw name                string
  |   |   +--rw user-password       user-passwd
  |   |   +--rw encryption-level?   enumeration
  |   |   +--rw role                 string
  |   |   +--rw desc?               string
  |   |   +--rw enable?             username-enable
  |   |   +--rw expire?             date
  |   |   +--rw access-time?        string
  |   |   +--rw end-time?           string
  |   |   +--rw acct-inactivity-expiry-period? uint32
  |   |   +--rw acct-inactivity-warning-period? uint32
  |   +--rw service
  |   |   +--rw password-encryption? empty
  |   +--rw user
  |   |   +--x unlock
  |   |   |   +--w input
  |   |   |   |   +--w username    string
  |   |   |   +--ro output
  |   |   |   |   +--ro Result?   string
  |   +--rw role
  |   |   +--rw name* [name]
  |   |   |   +--rw name    string
  |   |   |   +--rw desc?   string
  |   +--rw radius-server
  |   |   +--rw host* [hostname use-vrf]
  |   |   |   +--rw hostname    string
  |   |   |   +--rw use-vrf     common-def:use-vrf
  |   |   +--rw radius-server-options
  |   |   |   +--rw auth-port?  rad-auth-port
  |   |   |   +--rw protocol?   rad-auth-protocols
  |   |   |   +--rw key?        string
  |   |   |   +--rw encryption-level? enumeration
  |   |   |   +--rw retries?    uint32
  |   |   |   +--rw timeout?    uint32
  |   |   |   +--rw radsec?     empty

```

```

|         +--rw source-interface
|         |   +--rw source-interface-name?  track-iftype
|         |   +--rw ethernet
|         |   |   +--rw source-interface-value?  interface:interface-type
|         |   +--rw loopback
|         |   |   +--rw source-interface-value?  loopback-iftype
|         |   +--rw ve
|         |   |   +--rw source-interface-value?  ve-iftype
|         |   +--rw management
|         |   |   +--rw source-interface-value?  mm-iftype
+--rw tacacs-server
|   +--rw host* [hostname use-vrf]
|   |   +--rw hostname          string
|   |   +--rw use-vrf          common-def:use-vrf
|   |   +--rw tacacs-server-options
|   |   |   +--rw port?          tac-auth-port
|   |   |   +--rw protocol?      tac-auth-protocols
|   |   |   +--rw key?          string
|   |   |   +--rw encryption-level?  enumeration
|   |   |   +--rw retries?      uint8
|   |   |   +--rw timeout?      uint8
|   |   |   +--rw tacacs-source-ip
|   |   |   |   +--rw tacacs-source-int-type?  srcip_type
|   |   |   |   +--rw tacacs-source-int-value? string-type
+--rw ldap-server
|   +--rw host* [hostname use-vrf]
|   |   +--rw hostname          string
|   |   +--rw use-vrf          common-def:use-vrf
|   |   +--rw ldap-server-options
|   |   |   +--rw ldaps?          empty
|   |   |   +--rw port?          ldap-auth-port
|   |   |   +--rw retries?      uint8
|   |   |   +--rw timeout?      uint8
|   |   |   +--rw basedn?       string
|   |   +--rw source-interface
|   |   |   +--rw source-intf-type?  source-interface-type
|   |   |   +--rw ethernet
|   |   |   |   +--rw source-intf-name?  ethernet-iftype
|   |   |   +--rw loopback
|   |   |   |   +--rw source-intf-name?  loopback-iftype
|   |   |   +--rw ve
|   |   |   |   +--rw source-intf-name?  ve-iftype
|   |   |   +--rw management
|   |   |   |   +--rw source-intf-name?  mm-iftype
+--rw maprole
|   +--rw group* [ad-group]
|   |   +--rw ad-group          string
|   |   +--rw switch-role      string
+--rw password-attributes
|   +--rw min-length?          uint32
|   +--rw max-logins?          uint32
|   +--rw max-retry?           uint32
|   +--rw max-lockout-duration? uint32
|   +--rw history?             uint32
|   +--rw repeat?              uint32
|   +--rw sequence?            uint32
|   +--rw force-default-password-change? empty
|   +--rw max-password-age?    uint32
|   +--rw character-restriction
|   |   +--rw upper?           uint32
|   |   +--rw lower?           uint32
|   |   +--rw numeric?         uint32
|   |   +--rw special-char?    uint32
|   +--rw admin-lockout-enable? empty

```

```

|   +--rw login-notify-duration?          uint32
+--rw banner
|   +--rw login?          string
|   +--rw motd?           string
|   +--rw incoming?       string
+--rw rule* [index]
|   +--rw index           uint32
|   +--rw action?         rule-action
|   +--rw operation?      rule-operation
|   +--rw role?           string
|   +--rw command
|       +--rw (cmdlist)?
|           +--:(container-cmds)
|               |   +--rw enumList?          enumeration
|               +--:(interface-a)
|                   |   +--rw interface-int
|                   |       +--rw interface-cont!
|                   +--:(interface-c)
|                       |   +--rw interface-eth
|                       |       +--rw interface
|                       |           +--rw ethernet-cont!
|                   +--:(interface-e)
|                       |   +--rw interface-eth-leaf
|                       |       +--rw interface
|                       |           +--rw ethernet-leaf?   interface:interface-type
|                   +--:(interface-f)
|                       |   +--rw interface-mgmt
|                       |       +--rw interface
|                       |           +--rw management-cont!
|                   +--:(interface-i)
|                       |   +--rw interface-pc
|                       |       +--rw interface
|                       |           +--rw port-channel-cont!
|                   +--:(interface-j)
|                       |   +--rw interface-pc-leaf
|                       |       +--rw interface
|                       |           +--rw port-channel-leaf?   interface:portchannel-type
|                   +--:(interface-m)
|                       |   +--rw interface-management-leaf
|                       |       +--rw interface
|                       |           +--rw management-leaf?   interface:man-interface-type
|                   +--:(interface-n)
|                       |   +--rw interface-loopback
|                       |       +--rw interface
|                       |           +--rw loopback-cont!
|                   +--:(interface-o)
|                       |   +--rw interface-loopback-leaf
|                       |       +--rw interface
|                       |           +--rw loopback-leaf?   loopback-intf:intf-loopback-port-type
|                   +--:(interface-p)
|                       |   +--rw interface-ve
|                       |       +--rw interface
|                       |           +--rw ve-cont!
|                   +--:(interface-q)
|                       |   +--rw interface-ve-leaf
|                       |       +--rw interface
|                       |           +--rw ve-leaf?   interface:ve-type
|                   +--:(copy-a)
|                       |   +--rw copy-cp
|                       |       +--rw copy-cont!
|                   +--:(copy-b)
|                       |   +--rw copy-running
|                       |       +--rw copy
|                       |           +--rw running-config-cont!

```

```

|         +---:(copy-c)
|         | +---rw copy-support
|         | | +---rw copy
|         | | +---rw support-cp!
|         +---:(clear-a)
|         | +---rw clear-cl
|         | | +---rw clear-cont!
|         +---:(clear-b)
|         | +---rw clear-logging
|         | | +---rw clear
|         | | +---rw logging-cont!
|         +---:(clear-c)
|         | +---rw clear-support
|         | | +---rw clear
|         | | +---rw support-cl!
|         +---:(protocol-a)
|         | +---rw protocol-pr
|         | | +---rw protocol-cont!
|         +---:(protocol-b)
|         | +---rw protocol-spanning
|         | | +---rw protocol
|         | | +---rw spanning-tree-cont!
|         +---:(protocol-c)
|         | +---rw protocol-lldp
|         | | +---rw protocol
|         | | +---rw lldp-cont!
+---rw root-sa
| +---rw root
| | +---rw enable?    empty
| | +---rw access?    root_access_type
+---rw alias-config
+---rw alias* [name]
| +---rw name          string
| +---rw expansion      string
+---rw user* [name]
+---rw name            string
+---rw alias* [name]
+---rw name            string
+---rw expansion      string

```

brocade-aaa-ext

Provides a data model for configuring authentication, authorization, and accounting (AAA).

RPCs

```
rpcs:
  +---x user-session-info
    +--ro output
      +--ro user-role?  string
```

brocade-acl-policy

Manages the access control list (ACL) policy configuration.

Top-level container

```
module: brocade-acl-policy
  +--rw acl-policy
    +--rw global-acl-policy-conf-cmds
      +--rw allow-conflicting-rules?    empty
      +--rw allow-duplicate-rules?      empty
      +--rw enable-acl-cam-sharing?      empty
      +--rw enable-acl-log-raslog
        | +--rw acl-log-raslog?    empty
        | +--rw log-interval?      common-def:time-interval-sec
      +--rw enable-implicit-deny-log
        +--rw implicit-deny-log?    empty
        +--rw acl-type              enumeration
```

brocade-arp

Provides a data model for managing the Address Resolution Protocol (ARP).

Top-level container

```
module: brocade-arp
  +--rw arp-entry* [arp-ip-address]
  |   +--rw arp-ip-address      inet:ipv4-address
  |   +--rw mac-address-value?  mac-access-list:mac-address-type
  |   +--rw interfacename?      enumeration
  |   +--rw (interfacetype)?
  |   |   +--:(Port-channel)
  |   |   |   +--rw Port-channel?      interface:portchannel-type
  |   |   +--:(Ethernet)
  |   |   |   +--rw Ethernet?          interface:interface-type
  |   |   +--:(Ve)
  |   |   |   +--rw Ve?                interface:ve-type
  |   +--rw host-table
  |   +--rw aging-mode
  |   |   +--rw conversational?  empty
  |   +--rw aging-time
  |   |   +--rw conversational-timeout?  uint32
```

RPCs

Return ARP entries of the managed entity:

```
rpcs:
  +---x get-arp
  +---w input
  |   +---w (input-type)?
  |   |   +--:(interface)
  |   |   |   +---w interface-type?  enumeration
  |   |   |   +---w interface-name?  union
  |   |   +--:(dynamic)
  |   |   |   +---w dynamic?          empty
  |   |   +--:(static)
  |   |   |   +---w static?           empty
  |   |   +--:(ip)
  |   |   |   +---w ip-address?       inet:ipv4-address
  +---ro output
  +---ro arp-entry* [ip-address]
  |   +--ro ip-address      inet:ipv4-address
  |   +--ro mac-address?    mac-access-list:mac-address-type
  |   +--ro interface-type? enumeration
  |   +--ro interface-name? union
  |   +--ro is-resolved?    boolean
  |   +--ro age?            string
  |   +--ro entry-type?     enumeration
```

brocade-app-telemetry

Manages the telemetry policy configuration.

Top-level container

```
module: brocade-app-telemetry
  +--rw app-telemetry
    +--rw app-telemetry-basic
      | +--rw enable?    empty
    +--rw access-list-container
      +--rw access-list?  string
      +--rw ingress?      empty
```

brocade-beacon

Provides a data model enabling and disabling the interface beacon and chassis beacon.

Top-level container

```

module: brocade-beacon
  +--rw beacon
    +--rw enable
      | +--rw interface
      | | +---x ethernet
      | | | +---w input
      | | |   +---w eth_option
      | | |   +---w ethernet      string
      | | |   +---w start?       ietfyang:date-and-time
      | | |   +---w length?      uint32
      | | +---x port-channel
      | |   +---w input
      | |   +---w lag_option
      | |   +---w port-channel    uint32
      | |   +---w start?         ietfyang:date-and-time
      | |   +---w length?        uint32
      | +---x chassis
      |   +---w input
      |   +---w start?          ietfyang:date-and-time
      |   +---w length?         uint32
    +--rw disable
      +--rw interface
      | +---x ethernet
      | | +---w input
      | |   +---w ethernet      string
      | +---x port-channel
      |   +---w input
      |   +---w port-channel    uint32
      +---x chassis
  
```

brocade-bridge-domain

Provides a data module to manage the bridge domain.

Top-level container

```

module: brocade-bridge-domain
  +--rw bridge-domain* [bridge-domain-id bridge-domain-type]
    +--rw bridge-domain-id      bridge-domain-id-type
    +--rw bridge-domain-type    enumeration
    +--rw vc-id-num?            uint32
    +--rw description?          string
    +--rw mac-learning
    | +--rw mac-learning-disable? empty
  +--rw peer* [peer-ip]
    | +--rw peer-ip            inet:ipv4-address
    | +--rw load-balance?      empty
    | +--rw cos?               uint32
    | +--rw lsp*               string
    | +--rw flow-label?        empty
    | +--rw control-word?      empty
  +--rw statistics?            empty
  +--rw statistics-sync?       empty
  +--rw pw-profile-name?        common-def:name-string64
  +--rw router-interface* [router-ve]
    | +--rw router-ve          interface:ve-type
    | +--rw disallow-oar-ac?    empty
  +--rw logical-interface
    | +--rw ethernet* [lif-bind-id]
    | | +--rw lif-bind-id      import-lif:lif-interface-type
    | +--rw port-channel* [pc-lif-bind-id]
    | | +--rw pc-lif-bind-id   import-lif:lif-port-channel-type
  +--rw bpdu-drop-enable?      empty
  +--rw local-switching?        empty
  +--rw ip
    | +--rw dai:arp-node-config
    | | +--rw dai:arp
    | | | +--rw dai:inspection
    | | | | +--rw dai:trust?    empty
    | | | | +--rw dai:filter
    | | | | +--rw dai:acl-name?  dai-acl-policy-name
    | +--rw igmp-snooping:bd-pim
    | | +--rw igmp-snooping:snooping
    | | | +--rw igmp-snooping:bd-pimv4-enable? empty
    | +--rw igmp-snooping:bd-ip-igmp
    | | +--rw igmp-snooping:snooping
    | | | +--rw igmp-snooping:igmps-version?      igmps-version-type
    | | | +--rw igmp-snooping:igmps-last-member-query-interval? lmqt-type
    | | | +--rw igmp-snooping:igmps-query-max-response-time?   qmrt-type
    | | | +--rw igmp-snooping:igmps-query-interval?             qi-type
    | | | +--rw igmp-snooping:igmps-enable?                  empty
    | | | +--rw igmp-snooping:igmps-fast-leave?              empty
    | | | +--rw igmp-snooping:restrict-unknown-multicast?     empty
    | | | +--rw igmp-snooping:igmps-querier
    | | | | +--rw igmp-snooping:igmps-qenable?    empty
    | | | +--rw igmp-snooping:igmps_mrouter
    | | | | +--rw igmp-snooping:igmps-interface* [igmps-if-type igmps-value]
    | | | | | +--rw igmp-snooping:igmps-if-type    enumeration
    | | | | | +--rw igmp-snooping:igmps-value      bridge-domain:bridge-domain-lif-
type
    | | | | +--rw igmp-snooping:igmps_static-group* [igmps-mcast-address igmps-
interface igmps-if-type igmps-value]

```

```

|           +---rw igmp-snooping:igmps-mcast-address    inet:ipv4-address
|           +---rw igmp-snooping:igmps-interface        enumeration
|           +---rw igmp-snooping:igmps-if-type          enumeration
|           +---rw igmp-snooping:igmps-value            bridge-domain:bridge-domain-
lif-type
+---rw ipv6
|   +---rw mld-snooping:bd-pim
|   |   +---rw mld-snooping:snooping
|   |   |   +---rw mld-snooping:bd-pimv6-enable?    empty
|   |   +---rw mld-snooping:bd-ipv6-mld
|   |   +---rw mld-snooping:mld-snooping
|   |   |   +---rw mld-snooping:last-member-query-interval?    lmqt-type
|   |   |   +---rw mld-snooping:query-max-response-time?      qmrt-type
|   |   |   +---rw mld-snooping:query-interval?                qi-type
|   |   |   +---rw mld-snooping:mldVersion?                    version-type
|   |   |   +---rw mld-snooping:enable?                        empty
|   |   |   +---rw mld-snooping:fast-leave?                    empty
|   |   |   +---rw mld-snooping:querier
|   |   |   |   +---rw mld-snooping:qenable?    empty
|   |   +---rw mld-snooping:mrouter
|   |   |   +---rw mld-snooping:interface* [if-type value]
|   |   |   |   +---rw mld-snooping:if-type    enumeration
|   |   |   |   +---rw mld-snooping:value      bridge-domain:bridge-domain-lif-type
|   |   +---rw mld-snooping:static-group* [mcast-address interface if-type value]
|   |   |   +---rw mld-snooping:mcast-address    inet:ipv6-address
|   |   |   +---rw mld-snooping:interface        enumeration
|   |   |   +---rw mld-snooping:if-type          enumeration
|   |   |   +---rw mld-snooping:value            bridge-domain:bridge-domain-lif-type
+---rw mac-address
|   +---rw withdrawal?    empty
+---rw arp:suppress-arp
|   +---rw arp:suppress-arp-enable?    empty
+---rw ipv6-nd-ra:suppress-nd
|   +---rw ipv6-nd-ra:suppress-nd-enable?    empty

```

brocade-certutil

Provides a data model for certificate management operations.

This data model provides tail-f actions to perform functions such as importing an LDAP CA certificate, removing an LDAP CA certificate, or displaying the LDAP certificate.

Top-level container

```

module: brocade-certutil
  +--rw certutil
    +---x sshkey
      | +---w input
      |   +---w user      string
      |   +---w pubkey    string
    +---x aaa-cacpiv
      | +---w input
      |   +---w user      string
      |   +---w DN        string
    +---x sshx509v3
      | +---w input
      |   +---w user      string
      |   +---w DN        string
    +--rw import
      +---x sshkey
        +---w input
          +---w protocol    enumeration
          +---w source-ip?  inet:ip-address
          +---w user        string
          +---w host        string
          +---w directory   string
          +---w file        string
          +---w login       string
          +---w password?   string
          +---w use-vrf?    common-def:use-vrf

```

External augmentations

```

module: brocade-common-def
  +--rw no
  | +--rw certutil:certutil
  +--rw show
  | +--rw certutil:cert-util

```

brocade-chassis

Provides a data model for enabling and disabling the chassis.

Top-level container

```

module: brocade-chassis
  +--rw hide-virtual-ip-holder
  |   +--rw chassis
  |       +--rw virtual-ip?      common-def:ipv4-prefix-mask
  |       +--rw virtual-ipv6?    common-def:ipv6-address-prefix
  |       +--rw oper-address
  |           +--ro virtual-oper-Vip-address?    common-def:ipv4-address-prefix-type
  |           +--ro virtual-oper-VipV6-address*  string
  +--rw chassis
      +---x enable
      +---x disable
      +--rw beacon
      |   +---x enable
      |   +---x disable
      +--rw fan
          +--rw airflow-direction
              +---x port-side-intake
              +---x port-side-exhaust

```

Actions

Enable the chassis:

```

module: brocade-chassis
  +--rw chassis
      +--ro enable

```

Disable the chassis:

```

module: brocade-chassis
  +--rw chassis
      +--ro disable

```

Enable the chassis beacon:

```

module: brocade-chassis
  +--rw chassis
      +--rw beacon
          |   +--ro enable

```

Disable the chassis beacon:

```

module: brocade-chassis
  +--rw chassis
      +--rw beacon
          |   +--ro disable

```

Set the airflow direction to port-side-intake:

```

module: brocade-chassis
  +--rw chassis
      +--rw fan
          +--rw airflow-direction
              +--ro port-side-intake

```

Set the airflow direction to port-side-exhaust:

```
module: brocade-chassis
  +--rw chassis
    +--rw fan
      +--rw airflow-direction
        +--ro port-side-exhaust
```

brocade-clock

Provides a data model for managing the local clock, setting the local clock time and time zone, and for retrieving local clock information.

Top-level container

```
module: brocade-clock
  +--rw clock-set-datetime
  |   +---x clock
  |   |   +---w input
  |   |   +---w set      ietfyang:date-and-time
  +--rw clock-sa
  |   +--rw clock
  |   |   +--rw timezone?   common-def:timezone
```

External augmentations

```
module: brocade-common-def
  |   +--rw clock-server:clock
```

RPCs

```
rpcs:
  +---x show-clock
  |   +--ro output
  |   |   +--ro clock-time*
  |   |   |   +--ro current-time?   ietfyang:date-and-time
  |   |   |   +--ro timezone?       string
```

brocade-common-def

Provides a data model for commonly used data types derived in the extreme namespace.

Top-level container

```

module: brocade-common-def
  +--rw show
  |   +--rw defaults
  |   |   +--rw threshold-monitor-extensions:threshold
  |   |   +---x threshold-monitor-extensions:sfp
  |   |   +---w threshold-monitor-extensions:input
  |   |   +---w threshold-monitor-extensions:type      sfp-type
  |   +--rw aaa-extensions:aaa-users
  |   |   +---x aaa-extensions:users
  |   +--rw certutil:cert-util
  |   |   +---x certutil:sshkey
  |   |   +---w certutil:input
  |   |   +---w certutil:user      string
  |   +--rw brcd-crypto-ext:crypto
  |   |   +--rw brcd-crypto-ext:key
  |   |   |   +---x brcd-crypto-ext:mypubkey
  |   |   +--rw brcd-crypto-ext:ca
  |   |   +---x brcd-crypto-ext:trustpoint
  |   |   +---x brcd-crypto-ext:certificates
  |   +--rw event-handler:event-handler
  |   |   +---x event-handler:activations
  |   +--rw firmware-extensions:firmware
  |   |   +---x firmware-extensions:firmwaredownloadstatus
  |   |   |   +---w firmware-extensions:input
  |   |   |   |   +---w firmware-extensions:brief?      empty
  |   |   |   |   +---w firmware-extensions:summary?    empty
  |   |   |   +--ro firmware-extensions:output
  |   |   |   |   +--ro firmware-extensions:result?     string
  |   |   +---x firmware-extensions:firmwaredownloadhistory
  |   |   |   +--ro firmware-extensions:output
  |   |   |   |   +--ro firmware-extensions:result?     string
  |   |   +---x firmware-extensions:firmware
  |   |   |   +---w firmware-extensions:input
  |   |   |   |   +---w firmware-extensions:auto-sync?  enumeration
  |   |   |   +--ro firmware-extensions:output
  |   |   |   |   +--ro firmware-extensions:result?     string
  |   |   +---x firmware-extensions:version
  |   |   |   +---w firmware-extensions:input
  |   |   |   |   +---w firmware-extensions:brief?      empty
  |   |   |   |   +---w firmware-extensions:all-partitions? empty
  |   |   |   +--ro firmware-extensions:output
  |   |   |   |   +--ro firmware-extensions:result?     string
  |   |   +---x firmware-extensions:firmware-features
  |   |   |   +--ro firmware-extensions:output
  |   |   |   |   +--ro firmware-extensions:result?     string
  |   +--rw firmware:ztp
  |   |   +---x firmware:ztpstatus
  |   |   +--ro firmware:output
  |   |   +--ro firmware:result?     string
  |   +--rw firmware:show-firmware-dummy
  |   |   +--rw firmware:show-firmware-option
  |   |   |   +--rw firmware:peripheral-show-option
  |   |   |   +---x firmware:peripheral-show-cpld
  |   |   |   +---x firmware:peripheral-show-fpga
  |   |   +--rw firmware:peripheral-show-bmc-option
  |   |   +---x firmware:peripheral-show-bmc-all

```

```

| |         +---x firmware:peripheral-show-bmc-boot
| |         +---x firmware:peripheral-show-bmc-application
| +--rw firmware:update
| |   +---x firmware:onieversion
| |   |   +--ro firmware:output
| |   |   |   +--ro firmware:onie-ver?   string
| |   +---x firmware:grubversion
| |   |   +--ro firmware:output
| |   |   |   +--ro firmware:grub-ver?   string
| +--rw hardware:hardware
| |   +---x hardware:port-group
| |   +---x hardware:smt
| |   +---x hardware:media-database
| |   |   +---w hardware:input
| |   |   |   +---w (opt)?
| |   |   |   +---:(all)
| |   |   |   |   +---w hardware:all      empty
| |   |   |   +---:(sfp)
| |   |   |   |   +---w hardware:sfp      empty
| |   |   |   +---:(qsfp)
| |   |   |   |   +---w hardware:qsfp     empty
| |   |   |   +---:(qsfp28)
| |   |   |   |   +---w hardware:qsfp28   empty
| |   +---x hardware:profile
| |   |   +---w hardware:input
| |   |   |   +---w (profile-type)?
| |   |   |   +---:(tcam)
| |   |   |   |   +---w hardware:tcam?      tcam-profile-subtype
| |   |   |   +---:(cam-share)
| |   |   |   |   +---w hardware:cam-share-show?  empty
| |   |   |   +---:(route)
| |   |   |   |   +---w hardware:routing
| |   |   |   |   |   +---w hardware:route      route-profile-subtype
| |   |   |   |   |   +---w hardware:routing-feature-flag
| |   |   |   |   |   |   +---w hardware:hw_opt?      empty
| |   |   |   |   |   |   +---w hardware:multi_vrf?    empty
| |   |   |   |   |   |   +---w hardware:v4_fib_comp?   empty
| |   |   |   |   |   |   +---w hardware:v6_fib_comp?   empty
| |   |   |   |   |   |   +---w hardware:ipv6-prefix-max64? empty
| |   |   |   |   |   |   +---w hardware:urpf_flag?      empty
| |   |   |   +---:(qos)
| |   |   |   |   +---w hardware:qos?      qos-profile-subtype
| |   |   |   +---:(lag)
| |   |   |   |   +---w hardware:lag?      lag-profile-subtype
| |   |   |   +---:(counters)
| |   |   |   |   +---w hardware:counters?  counters-profile-subtype
| |   |   |   +---:(etcam)
| |   |   |   |   +---w hardware:etcam?     etcam-profile-subtype
| |   |   +---:(current)
| |   |   |   +---w hardware:current-container
| |   |   |   |   +---w hardware:current?    empty
| |   |   |   |   +---w hardware:usage?      empty
| |   |   |   |   +---w hardware:slot?      uint32
| |   |   |   |   +---w hardware:chip?      uint32
| +--rw ha:ha
| |   +---x ha:ha
| |   |   +---w ha:input
| |   |   |   +---w ha:all-partitions?    empty
| +--rw ha:redundancy
| |   +---x ha:redundancy
| +--rw http-config:http
| |   +---rw http-config:server
| |   +---x http-config:status
| +--rw brocade-license:license

```

```

| | +---x brocade-license:id
| |   +--ro brocade-license:output
| |     +--ro brocade-license:licenseid-list*
| |       +--ro brocade-license:license-id?   string
| +--rw brocade-license:enh-show-license-keys
| |   +---x brocade-license:license
| |     +---w brocade-license:input
| |       +---w (single-or-all)?
| |       +---:(eula)
| |       +---w brocade-license:eula?   empty
| |     +--ro brocade-license:output
| |       +--ro brocade-license:license-list*
| |       +--ro brocade-license:license-details*
| |         +--ro brocade-license:license-data?   string
| |         +--ro brocade-license:license-expiry-date?   string
| |         +--ro brocade-license:license-feature-name?   string
| |         +--ro brocade-license:license-capacity?   string
| |         +--ro brocade-license:license-consumed?   string
| |         +--ro brocade-license:license-valid-state?   string
| |         +--ro brocade-license:license-vendor-info?   string
| |         +--ro brocade-license:license-eula-date?   string
| +---x brocade-license:dpod
| |   +--ro brocade-license:output
| |     +--ro brocade-license:showdpod-list*
| |       +--ro brocade-license:dpod-details*
| |         +--ro brocade-license:dpod-ports?   uint32
| |         +--ro brocade-license:dpod-licenses-installed?   uint32
| |         +--ro brocade-license:num-ports-provisioned?   uint32
| |         +--ro brocade-license:num-ports-reserved?   uint32
| |         +--ro brocade-license:num-ports-license-available?   uint32
| +--rw linecard-management:linecardinfo
| |   +---x linecard-management:linecard
| +--rw linecard-management:sfminfo
| |   +---x linecard-management:switch_fabric_module
| +--rw linecard-management:mminfor
| |   +---x linecard-management:mm
| +--rw linecard-management:slotsinfor
| |   +---x linecard-management:slots
| +--rw linecard-management:latch-detection-info
| |   +---x linecard-management:show-latch-detection
| |     +---w linecard-management:input
| |       +---w linecard-management:linecard?   fusion_slotnum
| +--rw ras-extensions:support
| |   +---x ras-extensions:support
| +--rw ras-extensions:tech-support
| |   +---x ras-extensions:tech-support
| +--rw ras-extensions:copy-support
| |   +---x ras-extensions:status
| |   +---x ras-extensions:group-list
| +--rw ras-extensions:infra-inventory
| |   +---x ras-extensions:inventory
| |     +---w ras-extensions:input
| |       +---w (opt)?
| |       +---:(chassis)
| |         +---w ras-extensions:chassis?   empty
| |       +---:(fan)
| |         +---w ras-extensions:fan?   empty
| |       +---:(module)
| |         +---w ras-extensions:module?   empty
| |       +---:(powerSupply)
| |         +---w ras-extensions:powerSupply?   empty
| +--rw ras-extensions:infra
| |   +---x ras-extensions:chassis
| |     +--ro ras-extensions:output

```

```

| | | +--ro ras-extensions:chassis-info*
| | |   +--ro ras-extensions:switch-type          uint32
| | |   +--ro ras-extensions:vendor              string
| | |   +--ro ras-extensions:vendor-version      string
| | |   +--ro ras-extensions:supplier-serial-number? string
| | |   +--ro ras-extensions:chassis-service-tag? string
| | |   +--ro ras-extensions:bay-id?            string
| | |   +--ro ras-extensions:vendor-part-number? string
| | |   +--ro ras-extensions:brocade-part-number? string
| | |   +--ro ras-extensions:max-port?          int32
| | |   +--ro ras-extensions:is-ha-enabled?      boolean
| | |   +--ro ras-extensions:is-ha-redundant?    boolean
| | |   +--ro ras-extensions:is-ha-heartbeat-up? boolean
| | |   +--ro ras-extensions:is-ha-synchronized? boolean
| | |   +--ro ras-extensions:ha-recovery?        ha-recovery-type
| | |   +--ro ras-extensions:fru*
| | |     +--ro ras-extensions:tag              uint32
| | |     +--ro ras-extensions:part-number      string
| | |     +--ro ras-extensions:serial-number    string
| | |     +--ro ras-extensions:field-replacable boolean
| | |     +--ro ras-extensions:slot-number      uint32
| | |     +--ro ras-extensions:logical-slot-number? uint32
| | |     +--ro ras-extensions:blade-type-id?   uint32
| | |     +--ro ras-extensions:slot-eth-port-cnt? uint32
| | |     +--ro ras-extensions:manufacturer-date xs:date
| | |     +--ro ras-extensions:update-date      xs:date
| | |     +--ro ras-extensions:version          string
| | |     +--ro ras-extensions:vendor-equipment-type fru-type
| | |     +--ro ras-extensions:operational-status fru-operational-status
| | |     +--ro ras-extensions:manufacturer    string
| | |     +--ro ras-extensions:vendor?          string
| | |     +--ro ras-extensions:vendor-part-number? string
| | |     +--ro ras-extensions:vendor-serial-number? string
| | +--rw ras-extensions:process
| |   +---x ras-extensions:info
| | +--rw ras-extensions:environment
| |   +---x ras-extensions:fan
| |   +---x ras-extensions:power
| |   +---x ras-extensions:led
| |   +---x ras-extensions:temp
| |   | +---w ras-extensions:input
| |   |   +---w ras-extensions:detail?    empty
| |   +---x ras-extensions:sensor
| |   | +--ro ras-extensions:output
| |   |   +--ro ras-extensions:sensor-info*
| |   |     +--ro ras-extensions:sensor*
| |   |       +--ro ras-extensions:id          uint32
| |   |       +--ro ras-extensions:type        sensor-type
| |   |       +--ro ras-extensions:sub-type    uint32
| |   |       +--ro ras-extensions:status      sensor-status
| |   |       +--ro ras-extensions:current-reading int32
| |   +---x ras-extensions:history
| +--rw ras-extensions:logging
|   +---x ras-extensions:raslog
|   | +---w ras-extensions:input
|   |   +---w ras-extensions:reverse?    empty
|   |   +---w ras-extensions:message-type? enumeration
|   |   +---w ras-extensions:attribute?   enumeration
|   |   +---w ras-extensions:blade?       string
|   |   +---w ras-extensions:count?       uint16
|   |   +---w ras-extensions:severity?    enumeration
|   +---x ras-extensions:auditlog
|   | +---w ras-extensions:input
|   |   +---w ras-extensions:reverse?    empty

```

```

| | +---w ras-extensions:count?      uint16
| +--rw brcd-sec-services:telnet
| | +---rw brcd-sec-services:server
| | +---x brcd-sec-services:status
| +--rw brcd-sec-services:ssh
| | +---rw brcd-sec-services:server
| | | +---x brcd-sec-services:status
| | +---rw brcd-sec-services:client
| | +---x brcd-sec-services:status
| +--rw brcd-sec-services:selinux
| | +---x brcd-sec-services:status
| | +---ro brcd-sec-services:output
| | +---ro brcd-sec-services:sestatus-output?  string
| +--rw snmp-server:snmp-server
| | +---x snmp-server:status
| | +---ro snmp-server:output
| | +---ro snmp-server:server* [vrf]
| | +---ro snmp-server:vrf      string
| | +---ro snmp-server:status?  server-status
| +--rw sysmgr:bpswitch
| | +---rw sysmgr:show-stats
| | +---x sysmgr:stats
| | +---w sysmgr:input
| | | +---w (show-bpswitch-type)?
| | | +---:(stats1)
| | | | +---w sysmgr:port?      uint32
| | | +---:(stats2)
| | | +---w sysmgr:global?     empty
| +--rw system-monitor-extensions:system
| | +---x system-monitor-extensions:monitor
| | +---ro system-monitor-extensions:output
| | +---ro system-monitor-extensions:switch-status*
| | +---ro system-monitor-extensions:switch-name?  string
| | +---ro system-monitor-extensions:switch-ip?    inet:ip-address
| | +---ro system-monitor-extensions:report-time?  ietfyang:date-and-
time
| | +---ro system-monitor-extensions:switch-state?  system-monitor-
health-state-enum
| | +---ro system-monitor-extensions:component-status*
| | | +---ro system-monitor-extensions:component-name?  string
| | | +---ro system-monitor-extensions:component-state?  system-monitor-
health-state-enum
| | +---ro system-monitor-extensions:faulty-port*
| | +---ro system-monitor-extensions:port-name?  string
| +--rw tpvm:tpvm
| | +---x tpvm:status
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid?      string
| | | | +---w tpvm:debug?      boolean
| | | | +---w tpvm:clear-tag?   string
| | | | +---w tpvm:blade?      bladeType
| | | +---ro tpvm:output
| | | +---ro tpvm:tpvm-status-msg?  string
| | | +---ro tpvm:additional-status?  string
| | | +---ro tpvm:tpvm-state?      tpvmStateType
| | | +---ro tpvm:version?        string
| | | +---ro tpvm:auto-boot-enabled?  empty
| | | +---ro tpvm:allow-pwless-enabled?  empty
| | | +---ro tpvm:upgrade-fail-reason?  string
| | | +---ro tpvm:reboot-required?  empty
| | +---x tpvm:status-history
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid?      string
| | | | +---w tpvm:blade?      bladeType

```

```

| | | +--ro tpvm:output
| | |   +--ro tpvm:tpvm-status-history-msg?  string
| | +---x tpvm:service-port
| | |   +---w tpvm:input
| | | |   +---w tpvm:blade?    bladeType
| | | |   +---w tpvm:debug?    boolean
| | |   +--ro tpvm:output
| | |   +--ro tpvm:tpvm-service-port-msg?  string
| | +---x tpvm:ip-address
| | |   +---w tpvm:input
| | | |   +---w tpvm:tpvmid?    string
| | | |   +---w tpvm:blade?    bladeType
| | | |   +---w tpvm:debug?    boolean
| | |   +--ro tpvm:output
| | |   +--ro tpvm:tpvm-ipaddr-msg?  string
| | +---x tpvm:disk
| | |   +---w tpvm:input
| | | |   +---w tpvm:tpvmid?    string
| | | |   +---w tpvm:name      union
| | | |   +---w tpvm:blade?    bladeType
| | | |   +---w tpvm:debug?    boolean
| | |   +--ro tpvm:output
| | |   +--ro tpvm:tpvm-show-disk-msg?  string
| | +--rw tpvm:config
| | |   +---x tpvm:ldap
| | | |   +---w tpvm:input
| | | | |   +---w tpvm:tpvmid?    string
| | | |   +--ro tpvm:output
| | | |   +--ro tpvm:tpvm-ldap-config-msg?  string
| | |   +---x tpvm:ntp
| | | |   +---w tpvm:input
| | | | |   +---w tpvm:tpvmid?    string
| | | |   +--ro tpvm:output
| | | |   +--ro tpvm:tpvm-ntp-config-msg?  string
| | |   +---x tpvm:dns
| | | |   +---w tpvm:input
| | | | |   +---w tpvm:tpvmid?    string
| | | |   +--ro tpvm:output
| | | |   +--ro tpvm:tpvm-dns-config-msg?  string
| | |   +--rw tpvm:system-attributes
| | | |   +---x tpvm:hostname
| | | | |   +---w tpvm:input
| | | | | |   +---w tpvm:tpvmid?    string
| | | | |   +--ro tpvm:output
| | | | |   +--ro tpvm:tpvm-sys-config-msg?  string
| | | |   +---x tpvm:timezone
| | | | |   +---w tpvm:input
| | | | | |   +---w tpvm:tpvmid?    string
| | | | |   +--ro tpvm:output
| | | | |   +--ro tpvm:tpvm-sys-config-msg?  string
| | |   +---x tpvm:trusted-peer
| | | |   +---w tpvm:input
| | | | |   +---w tpvm:tpvmid?    string
| | | |   +--ro tpvm:output
| | | |   +--ro tpvm:tpvm-trusted-peer-config-msg?  string
| | +---x tpvm:snapshot
| | |   +---w tpvm:input
| | | |   +---w tpvm:tpvmid?    string
| | |   +--ro tpvm:output
| | |   +--ro tpvm:domain-name?    string
| | |   +--ro tpvm:domain-version?  string
| | |   +--ro tpvm:snapshot-time?   string
| | |   +--ro tpvm:snapshot-size?   string
| +--rw cfg-mgmt:config-drift-track

```

```

| | +---x cfg-mgmt:values
| | | +--ro cfg-mgmt:output
| | |   +--ro cfg-mgmt:drift-ts?      uint64
| | |   +--ro cfg-mgmt:drift-counter? uint64
| | +---x cfg-mgmt:status
| |   +--ro cfg-mgmt:output
| |   +--ro cfg-mgmt:status? driftTrackStatus
| +--rw remote_att:remote-attestation
| | +---x remote_att:status
| | | +--ro remote_att:output
| | |   +--ro remote_att:show-remote-att-status*
| | |     +--ro remote_att:status?      string
| | |     +--ro remote_att:registrar-ip? string
| | |     +--ro remote_att:registrar-port? string
| | |     +--ro remote_att:agent-port?  string
| | |     +--ro remote_att:uuid?        string
| | |     +--ro remote_att:ima-status?   string
| | +---x remote_att:boot-aggregate
| |   +--ro remote_att:output
| |   +--ro remote_att:boot-aggregate?  string
| +--rw tpm:tpm
| | +---x tpm:ekcert
| | +---x tpm:iakcert
| | +---x tpm:idevidcert
+--rw clear
| +--rw brcd-aaa:login
| | +---x brcd-aaa:sessions
| +--rw ras-extensions:support
| | +---x ras-extensions:support
| +--rw ras-extensions:logging
| | +---x ras-extensions:raslog
| | | +---w ras-extensions:input
| | |   +---w ras-extensions:message-type? enumeration
| | +---x ras-extensions:auditlog
| +--rw sysmgr:bpswitch
| | +---x sysmgr:clear-stats
+--rw no
| +--rw certutil:certutil
| | +---x certutil:sshkey
| | | +---w certutil:input
| | |   +---w certutil:user      string
| | +---x certutil:aaa-cacpiv
| | | +---w certutil:input
| | |   +---w certutil:user      string
| | +---x certutil:sshx509v3
| | | +---w certutil:input
| | |   +---w certutil:user      string
| +--rw clock-server:clock
| | +---x clock-server:timezone
| +--rw brcd-crypto-ext:nocrypto
| | +--rw brcd-crypto-ext:ca
| | | +---x brcd-crypto-ext:authenticate
| | | | +---w brcd-crypto-ext:input
| | | |   +---w brcd-crypto-ext:authenticate_params
| | | |     +---w brcd-crypto-ext:trustpoint      string
| | | |     +---w brcd-crypto-ext:cert-type       cert-type-enum
| | | +---x brcd-crypto-ext:import
| | | | +---w brcd-crypto-ext:input
| | | |   +---w brcd-crypto-ext:authenticate_params
| | | |     +---w brcd-crypto-ext:trustpoint      string
| | | |     +---w brcd-crypto-ext:certificate     empty
| | | |     +---w brcd-crypto-ext:cert-type       cert-type-enum
| | | +---x brcd-crypto-ext:import-pkcs
| | |   +---w brcd-crypto-ext:input

```

```

| | | +---w brcd-crypto-ext:authenticate_params
| | | +---w brcd-crypto-ext:type enumeration
| | | +---w brcd-crypto-ext:cert-type cert-type-enum-pkcs
| | +--rw brcd-crypto-ext:import
| | +---x brcd-crypto-ext:ldapca
| | +---x brcd-crypto-ext:syslogca
| | +---x brcd-crypto-ext:radiusca
| | +---x brcd-crypto-ext:sshx509v3ca
| | +---x brcd-crypto-ext:gnmiclientca
| | +---x brcd-crypto-ext:oauth2pkicert
| | +---x brcd-crypto-ext:httpsclientca
| +--rw tpvm:tpvm
| +--rw tpvm:service-port
| +---x tpvm:enable
| +---w tpvm:input
| | +---w tpvm:blade? bladeType
| +--ro tpvm:output
| +--ro tpvm:sp-disable-msg? string
+--rw ip
| +--rw ip-administration:dns
| | +--rw ip-administration:dom-name
| | | +--rw ip-administration:domain-name? string
| | +--rw ip-administration:name-server* [name-server-ip use-vrf]
| | | +--rw ip-administration:name-server-ip inet:ip-address
| | | +--rw ip-administration:use-vrf common-def:use-vrf
| | +--rw ip-administration:source-interface
| | | +--rw ip-administration:source-intf-type? source-interface-type
| | | +--rw ip-administration:ethernet
| | | | +--rw ip-administration:source-intf-name? ethernet-ifttype
| | | +--rw ip-administration:loopback
| | | | +--rw ip-administration:source-intf-name? loopback-ifttype
| | | +--rw ip-administration:ve
| | | | +--rw ip-administration:source-intf-name? ve-ifttype
| | | +--rw ip-administration:management
| | | +--rw ip-administration:source-intf-name? mm-ifttype
| +--rw ip-policy:hide-prefix-holder
| | +--rw ip-policy:prefix-list* [name seq-keyword instance]
| | | +--rw ip-policy:name ip-prefix-name-t
| | | +--rw ip-policy:seq-keyword enumeration
| | | +--rw ip-policy:instance instance-id-t
| | | +--rw ip-policy:ip-description-ipp? common-def:name-string63
| | | +--rw ip-policy:action-ipp? action-t
| | | +--rw ip-policy:prefix-ipp? inet:ipv4-prefix
| | | +--rw ip-policy:ge-ipp? prefix-len-t
| | | +--rw ip-policy:le-ipp? prefix-len-t
| +--rw ip-policy:flowspec
| | +--rw ip-policy:rules
| | | +--rw ip-policy:statistics? empty
| | | +--rw ip-policy:statistics-vrf
| | | | +--rw ip-policy:statistics* [vrf]
| | | | +--rw ip-policy:vrf common-def:vrf-name
| +--rw ip-policy:hide-as-path-holder
| | +--rw ip-policy:as-path
| | | +--rw ip-policy:access-list* [name seq-keyword instance]
| | | | +--rw ip-policy:name ip-as-path-name-t
| | | | +--rw ip-policy:seq-keyword enumeration
| | | | +--rw ip-policy:instance instance-id-t
| | | | +--rw ip-policy:ip-action? action-t
| | | | +--rw ip-policy:ip-reg-expr? ip-as-path-reg-expr-t
| +--rw ip-policy:hide-community-list-holder
| | +--rw ip-policy:community-list
| | | +--rw ip-policy:standard* [name seq-keyword instance]
| | | | +--rw ip-policy:name ip-community-list-name-t
| | | | +--rw ip-policy:seq-keyword enumeration

```

```

| | | +--rw ip-policy:instance          instance-id-t
| | | +--rw ip-policy:ip-action?        action-t
| | | +--rw ip-policy:std-community-expr? ip-std-community-expr-t
| | | +--rw ip-policy:extended* [name seq-keyword instance]
| | |   +--rw ip-policy:name            ip-community-list-name-t
| | |   +--rw ip-policy:seq-keyword     enumeration
| | |   +--rw ip-policy:instance        instance-id-t
| | |   +--rw ip-policy:ip-action?      action-t
| | |   +--rw ip-policy:ip-community-reg-expr? ip-community-reg-expr-t
| +--rw ip-policy:hide-ext-community-list-holder
| | +--rw ip-policy:extcommunity-list
| | | +--rw ip-policy:standard* [extcommunity-list-name]
| | | | +--rw ip-policy:extcommunity-list-name ip-extcommunity-list-name-t
| | | | +--rw ip-policy:seq* [seq-id]
| | | |   +--rw ip-policy:seq-id            uint32
| | | |   +--rw ip-policy:ext-community-action? action-t
| | | |   +--rw ip-policy:ext-community-expr? extcommunity-list-expr-t
| | | +--rw ip-policy:extended* [extended-extcommunity-list-name]
| | |   +--rw ip-policy:extended-extcommunity-list-name ip-extcommunity-list-
name-t
| | |   +--rw ip-policy:seq* [extended-seq-id]
| | |   +--rw ip-policy:extended-seq-id      uint32
| | |   +--rw ip-policy:exp-ext-community-action? action-t
| | |   +--rw ip-policy:ext-community-regex? extcommunity-list-reg-expr-t
| +--rw rtm:rtm-config
| | +--rw rtm:router-id?   inet:ipv4-address
| | +--rw rtm:route
| | | +--rw rtm:static-route-nh* [static-route-dest static-route-next-hop]
| | | | +--rw rtm:static-route-dest      inet:ipv4-prefix
| | | | +--rw rtm:static-route-next-hop  inet:ipv4-address
| | | | +--rw rtm:route-attributes
| | | |   +--rw rtm:metric?      uint32
| | | |   +--rw rtm:distance?    uint32
| | | |   +--rw rtm:tag?         uint32
| | | | +--rw rtm:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-vrf
static-route-next-hop]
| | | | | +--rw rtm:static-route-next-vrf-dest      inet:ipv4-prefix
| | | | | +--rw rtm:next-hop-vrf                    common-def:vrf-name
| | | | | +--rw rtm:static-route-next-hop            inet:ipv4-address
| | | | +--rw rtm:static-route-oif-vrf* [static-route-next-vrf-dest next-hop-vrf
static-route-oif-type static-route-oif-name]
| | | | | +--rw rtm:static-route-next-vrf-dest      inet:ipv4-prefix
| | | | | +--rw rtm:next-hop-vrf                    common-def:vrf-name
| | | | | +--rw rtm:static-route-oif-type            enumeration
| | | | | +--rw rtm:static-route-oif-name            string
| | | | +--rw rtm:static-route-oif* [static-route-dest static-route-oif-type static-
route-oif-name]
| | | | | +--rw rtm:static-route-dest      inet:ipv4-prefix
| | | | | +--rw rtm:static-route-oif-type  enumeration
| | | | | +--rw rtm:static-route-oif-name  string
| | | | +--rw rtm:route-attributes
| | | |   +--rw rtm:metric?      uint32
| | | |   +--rw rtm:distance?    uint32
| | | |   +--rw rtm:tag?         uint32
| | | +--rw rtm:static
| | | | +--rw rtm:bfd
| | | | | +--rw rtm:bfd-static-route* [bfd-static-route-dest bfd-static-route-src]
| | | | | | +--rw rtm:bfd-static-route-dest      inet:ipv4-address
| | | | | | +--rw rtm:bfd-static-route-src        inet:ipv4-address
| | | | | | +--rw rtm:bfd-interval-attributes
| | | | | | | +--rw rtm:interval?      uint16
| | | | | | | +--rw rtm:min-rx?        uint16
| | | | | | | +--rw rtm:multiplier?    uint8
| | | | | +--rw rtm:holdover-interval? uint8

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| | +--rw rtm:next-hop-recursion? empty
| +--rw rtm:import
| | +--rw rtm:routes* [src-vrf route-map]
| | +--rw rtm:src-vrf common-def:vrf-name
| | +--rw rtm:route-map common-def:name-string63
+--rw ipv6
| +--rw router
| +--rw control-plane:ipv6-global-cmd
| | +--rw control-plane:option
| | | +--rw control-plane:option-disable? empty
| +--rw ip-policy:prefix-list* [name seq-keyword instance]
| | +--rw ip-policy:name ipv6-prefix-name-t
| | +--rw ip-policy:seq-keyword enumeration
| | +--rw ip-policy:instance instance-id-t
| | +--rw ip-policy:ipv6-description-ipp? common-def:name-string63
| | +--rw ip-policy:action-ipp? action-t
| | +--rw ip-policy:ipv6-prefix-ipp? inet:ipv6-prefix
| | +--rw ip-policy:ge-ipp? ipv6-prefix-len-t
| | +--rw ip-policy:le-ipp? ipv6-prefix-len-t
| +--rw ip-policy:flowspec
| | +--rw ip-policy:rules
| | | +--rw ip-policy:statistics? empty
| | | +--rw ip-policy:statistics-vrf
| | | | +--rw ip-policy:statistics* [vrf]
| | | | +--rw ip-policy:vrf common-def:vrf-name
| +--rw ipv6-nd-ra:ipv6-global-cmds
| | +--rw ipv6-nd-ra:nd-global
| | | +--rw ipv6-nd-ra:cache
| | | | +--rw ipv6-nd-ra:global-cache-limit? uint32
| | | +--rw ipv6-nd-ra:global-suppress-ra? empty
| | | +--rw ipv6-nd-ra:dns-server-global* [dns-server-prefix-global]
| | | | +--rw ipv6-nd-ra:dns-server-prefix-global inet:ipv6-address
| | | | +--rw ipv6-nd-ra:dns-server-lifetime-global? uint32
| | | +--rw ipv6-nd-ra:domain-name-global* [domain-name-string-global]
| | | +--rw ipv6-nd-ra:domain-name-string-global string
| | | +--rw ipv6-nd-ra:domain-name-lifetime-global? uint32
| +--rw ipv6-route:route
| | +--rw ipv6-route:static-route-nh* [static-route-dest static-route-next-hop]
| | | +--rw ipv6-route:static-route-dest inet:ipv6-prefix
| | | +--rw ipv6-route:static-route-next-hop inet:ipv6-address
| | | +--rw ipv6-route:route-attributes
| | | | +--rw ipv6-route:metric? uint32
| | | | +--rw ipv6-route:distance? uint32
| | | | +--rw ipv6-route:tag? uint32
| | | +--rw ipv6-route:static-route-oif* [static-route-dest static-route-oif-type
static-route-oif-name]
| | | | +--rw ipv6-route:static-route-dest inet:ipv6-prefix
| | | | +--rw ipv6-route:static-route-oif-type enumeration
| | | | +--rw ipv6-route:static-route-oif-name string
| | | +--rw ipv6-route:route-attributes
| | | | +--rw ipv6-route:metric? uint32
| | | | +--rw ipv6-route:distance? uint32
| | | | +--rw ipv6-route:tag? uint32
| | | +--rw ipv6-route:link-local-static-route-nh* [link-local-static-route-dest link-
local-nexthop link-local-route-oif-type link-local-route-oif-name]
| | | | +--rw ipv6-route:link-local-static-route-dest inet:ipv6-prefix
| | | | +--rw ipv6-route:link-local-nexthop inet:ipv6-address
| | | | +--rw ipv6-route:link-local-route-oif-type enumeration
| | | | +--rw ipv6-route:link-local-route-oif-name string
| | | +--rw ipv6-route:route-attributes
| | | | +--rw ipv6-route:metric? uint32
| | | | +--rw ipv6-route:distance? uint32
| | | | +--rw ipv6-route:tag? uint32
| | +--rw ipv6-route:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-vrf

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static-route-next-hop]
| | | +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf                  common-def:vrf-name
| | | +--rw ipv6-route:static-route-next-hop          inet:ipv6-address
| | +--rw ipv6-route:link-local-static-route-nh-vrf* [static-route-next-vrf-dest
next-hop-vrf link-local-next-hop link-local-route-oif-type link-local-route-oif-name]
| | | +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf                  common-def:vrf-name
| | | +--rw ipv6-route:link-local-next-hop            inet:ipv6-address
| | | +--rw ipv6-route:link-local-route-oif-type      enumeration
| | | +--rw ipv6-route:link-local-route-oif-name      string
| | +--rw ipv6-route:ipv6-static-route-oif-vrf* [static-route-next-vrf-dest next-hop-
vrf static-route-oif-type static-route-oif-name]
| | | +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf                  common-def:vrf-name
| | | +--rw ipv6-route:static-route-oif-type          enumeration
| | | +--rw ipv6-route:static-route-oif-name          string
| | +--rw ipv6-route:static
| | | +--rw ipv6-route:bfd
| | | +--rw ipv6-route:bfd-ipv6-static-route* [bfd-ipv6-static-route-dest bfd-
ipv6-static-route-src]
| | | | +--rw ipv6-route:bfd-ipv6-static-route-dest    inet:ipv6-address
| | | | +--rw ipv6-route:bfd-ipv6-static-route-src      inet:ipv6-address
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | | | +--rw ipv6-route:interval?                  uint16
| | | | | +--rw ipv6-route:min-rx?                    uint16
| | | | | +--rw ipv6-route:multiplier?                uint8
| | | | +--rw ipv6-route:bfd-ipv6-link-local-static-route* [bfd-ipv6-link-local-
dest bfd-ipv6-link-local-src bfd-interface-type bfd-interface-name]
| | | | | +--rw ipv6-route:bfd-ipv6-link-local-dest      inet:ipv6-address
| | | | | +--rw ipv6-route:bfd-ipv6-link-local-src        inet:ipv6-address
| | | | | +--rw ipv6-route:bfd-interface-type            enumeration
| | | | | +--rw ipv6-route:bfd-interface-name            string
| | | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | | | | +--rw ipv6-route:interval?                  uint16
| | | | | | +--rw ipv6-route:min-rx?                    uint16
| | | | | | +--rw ipv6-route:multiplier?                uint8
| | | | | +--rw ipv6-route:ipv6-holdover-interval?      uint8
| | | | +--rw ipv6-route:next-hop-recursion?            empty
| | +--rw ipv6-route:import
| | | +--rw ipv6-route:routes* [src-vrf route-map]
| | | | +--rw ipv6-route:src-vrf                        common-def:vrf-name
| | | | +--rw ipv6-route:route-map                      common-def:name-string63
| | +--rw ipv6-route:subnet-zero
| | | +--rw ipv6-route:drop?                            empty
| | +--rw vrrpv3:proto-vrrpv3
| | | +--rw vrrpv3:vrrp?                                empty
| | | +--rw vrrpv3:vrrp-extended?                      empty
+--rw router
+--rw routing-system
+--rw router
| +--rw bgp:router-bgp!
| | +--rw bgp:router-bgp-attributes
| | | +--rw bgp:local-as?                                local-as-type
| | | +--rw bgp:always-compare-med?                      empty
| | | +--rw bgp:compare-med-empty-aspath?                empty
| | | +--rw bgp:med-missing-as-worst?                    empty
| | | +--rw bgp:as-path-ignore?                          empty
| | | +--rw bgp:compare-routerid?                        empty
| | | +--rw bgp:install-igp-cost?                        empty
| | | +--rw bgp:cluster-id
| | | | +--rw (ch-cluster-id)?
| | | | +--:(ca-cluster-id)
| | | | +--rw bgp:cluster-id-value?                      decimal-number

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					+++:(ca-cluster-id-ipv4-address)	
					+++rw bgp:cluster-id-ipv4-address?	inet:ipv4-address
					+++rw bgp:default-local-preference?	local-preference-number
					+++rw bgp:distance	
					+++rw bgp:ext-route-distance?	ext-route-distance
					+++rw bgp:int-route-distance?	int-route-distance
					+++rw bgp:lcl-route-distance?	lcl-route-distance
					+++rw bgp:capability	
					+++rw bgp:as4-enable?	empty
					+++rw bgp:maxas-limit	
					+++rw bgp:in	
					+++rw bgp:num-as-in-path?	num-as-in-path
					+++rw bgp:enforce-first-as?	empty
					+++rw bgp:fast-external-fallover?	empty
					+++rw bgp:timers	
					+++rw bgp:keep-alive?	nei-keep-alive
					+++rw bgp:hold-time?	nei-hold-time
					+++rw bgp:peer-dampening	
					+++rw (peer-dampening-source)?	
					+++:(ca-peer-dampening-flag)	
					+++rw bgp:peer-dampening-flag?	empty
					+++:(ca-peer-dampening-specify-values)	
					+++rw bgp:values	
					+++rw bgp:delay-hold?	nei-delay-hold
					+++rw bgp:penalty?	nei-penalty
					+++rw bgp:max-penalty?	nei-max-penalty
					+++rw bgp:stability-interval?	nei-stability-interval
					+++rw bgp:log-dampening-debug?	empty
					+++rw bgp:confederation	
					+++rw bgp:identifier?	cidentifier
					+++rw bgp:peers*	cidentifier
					+++rw bgp:bfd	
					+++rw bgp:holdover-interval?	bfd:bfd-holdover-interval
					+++rw bgp:interval	
					+++rw bgp:min-tx?	bfd-tx-interval-type
					+++rw bgp:min-rx?	bfd-rx-interval-type
					+++rw bgp:multiplier?	bfd-multiplier-type
					+++rw bgp:auto-shutdown-new-neighbors?	empty
					+++rw bgp:listen-limit?	listen-limit-type
					+++rw bgp:neighbor	
					+++rw bgp:peer-grps	
					+++rw bgp:neighbor-peer-grp* [router-bgp-neighbor-peer-grp]	
					+++rw bgp:router-bgp-neighbor-peer-grp	bgp-peergroup
					+++rw bgp:peer-group-name?	empty
					+++rw bgp:remote-as?	bgp-remote-as
					+++rw bgp:alternate-as	
					+++rw bgp:add?	bgp-alternate-as
					+++rw bgp:remove?	bgp-alternate-as
					+++rw bgp:update-source	
					+++rw (ch-update-source)?	
					+++:(ca-ipv4)	
					+++rw bgp:sip-ipv4-address?	sip-ipv4-address
					+++:(ca-eth)	
					+++rw bgp:ethernet-interface	
					+++rw bgp:interface-type?	enumeration
					+++rw bgp:interface-name?	update-source-ethernet-
type					+++:(ca-port-channel)	
					+++rw bgp:port-channel?	interface:portchannel-
type					+++:(ca-loopback)	
					+++rw bgp:loopback?	loopback-interface
					+++:(ca-ve)	
					+++rw bgp:ve-interface?	interface:ve-type

						+++rw bgp:description?	neighbor-description	
						+++rw bgp:local-as		
						+++rw bgp:local-as-value?	local-as-num	
						+++rw bgp:no-prepend?	empty	
						+++rw bgp:next-hop-self		
						+++rw (ch-next-hop-self-type)?		
						+++:(ca-next-hop-self-always)		
							+++rw bgp:next-hop-self-always?	empty
						+++:(ca-next-hop-self-status)		
						+++rw bgp:next-hop-self-status?	empty	
						+++rw bgp:advertisement-interval		
						+++rw bgp:value?	adv-value	
						+++rw bgp:ebgp-btsh?	empty	
						+++rw bgp:ebgp-multihop		
						+++rw (ch-ebgp-multihop-type)?		
						+++:(ca-ebgp-multihop-flag)		
							+++rw bgp:ebgp-multihop-flag?	empty
						+++:(ca-ebgp-multihop-count)		
						+++rw bgp:ebgp-multihop-count?	uint32	
						+++rw bgp:password?	bgp-password	
						+++rw bgp:enforce-first-as		
						+++rw bgp:nei-enforce-first-as?	empty	
						+++rw bgp:nei-enforce-first-as-disable?	empty	
						+++rw bgp:timers		
						+++rw bgp:nei-keep-alive?	nei-keep-alive	
						+++rw bgp:nei-hold-time?	nei-hold-time	
						+++rw bgp:peer-dampening		
						+++rw (nei-peer-dampening-source)?		
						+++:(nei-ca-peer-dampening-flag)		
							+++rw bgp:nei-peer-dampening-flag?	empty
						+++:(nei-ca-peer-dampening-specify-values)		
						+++rw bgp:values		
						+++rw bgp:nei-delay-hold?	nei-delay-hold	
						+++rw bgp:nei-penalty?	nei-penalty	
						+++rw bgp:nei-max-penalty?	nei-max-penalty	
						+++rw bgp:nei-stability-interval?	nei-stability-	
interval								
						+++rw bgp:remove-private-as?	empty	
						+++rw bgp:as-override?	empty	
						+++rw bgp:soft-reconfiguration		
						+++rw bgp:inbound?	empty	
						+++rw bgp:static-network-edge?	empty	
						+++rw bgp:bfd		
						+++rw bgp:bfd-enable?	empty	
						+++rw bgp:holdover-interval?	bfd:bfd-holdover-interval	
						+++rw bgp:interval		
						+++rw bgp:min-tx?	bfd-tx-interval-type	
						+++rw bgp:min-rx?	bfd-rx-interval-type	
						+++rw bgp:multiplier?	bfd-multiplier-type	
						+++rw bgp:graceful-restart		
						+++rw (ch-graceful-restart-type)?		
						+++:(ca-graceful-restart-disable)		
							+++rw bgp:graceful-restart-disable?	empty
						+++:(ca-graceful-restart-status)		
						+++rw bgp:graceful-restart-status?	empty	
						+++rw bgp:maxas-limit		
						+++rw bgp:in		
						+++rw (ch-maxas-limit)?		
						+++:(ca-maxas-limit-enable)		
							+++rw bgp:num-as-in-as-path?	num-as-in-as-path
						+++:(ca-maxas-limit-disable)		
						+++rw bgp:maxas-limit-disable?	empty	
						+++rw bgp:graceful-shutdown		
						+++rw bgp:gshut-timer-value?	bgp-gshut-timer	

							+--rw (ch-gshut-options)?	
							+++:(ca-gshut-timer-route-map)	
							+--rw bgp:gshut-route-map?	rmap-type
							+++:(ca-gshut-timer-attributes)	
							+--rw bgp:gshut-timer-attributes	
							+--rw bgp:gshut-local-pref?	bgp-gshut-local-pref
							+--rw bgp:gshut-community?	bgp-gshut-community
							+--rw bgp:af-neighbor-capability	
							+--rw bgp:as4	
							+--rw bgp:neighbor-as4-enable?	empty
							+--rw bgp:neighbor-as4-disable?	empty
							+--rw bgp:shutdown	
							+--rw bgp:shutdown-status?	empty
							+--rw bgp:generate-rib-out?	empty
							+--rw bgp:neighbor-ipv6s	
							+--rw bgp:neighbor-ipv6-addr* [router-bgp-neighbor-ipv6-address]	
							+--rw bgp:router-bgp-neighbor-ipv6-address	inet:ipv6-address
							+--rw bgp:remote-as?	bgp-remote-as
							+--rw bgp:associate-peer-group?	bgp-peergroup
							+--rw bgp:update-source	
							+--rw (ch-update-source)?	
							+++:(ca-ipv6)	
							+--rw bgp:sip-ipv6-address?	sip-ipv6-address
							+++:(ca-eth)	
							+--rw bgp:ethernet-interface	
							+--rw bgp:interface-type?	enumeration
type							+--rw bgp:interface-name?	update-source-ethernet-
							+++:(ca-port-channel)	
type							+--rw bgp:port-channel?	interface:portchannel-
							+++:(ca-loopback)	
							+--rw bgp:loopback?	loopback-interface
							+++:(ca-ve)	
							+--rw bgp:ve-interface?	interface:ve-type
							+--rw bgp:description?	neighbor-description
							+--rw bgp:local-as	
							+--rw bgp:local-as-value?	local-as-num
							+--rw bgp:no-prepend?	empty
							+--rw bgp:next-hop-self	
							+--rw (ch-next-hop-self-type)?	
							+++:(ca-next-hop-self-always)	
							+--rw bgp:next-hop-self-always?	empty
							+++:(ca-next-hop-self-status)	
							+--rw bgp:next-hop-self-status?	empty
							+--rw bgp:advertisement-interval	
							+--rw bgp:value?	adv-value
							+--rw bgp:ebgp-btsh?	empty
							+--rw bgp:ebgp-multihop	
							+--rw (ch-ebgp-multihop-type)?	
							+++:(ca-ebgp-multihop-flag)	
							+--rw bgp:ebgp-multihop-flag?	empty
							+++:(ca-ebgp-multihop-count)	
							+--rw bgp:ebgp-multihop-count?	uint32
							+--rw bgp:password?	bgp-password
							+--rw bgp:enforce-first-as	
							+--rw bgp:nei-enforce-first-as?	empty
							+--rw bgp:nei-enforce-first-as-disable?	empty
							+--rw bgp:timers	
							+--rw bgp:nei-keep-alive?	nei-keep-alive
							+--rw bgp:nei-hold-time?	nei-hold-time
							+--rw bgp:peer-dampening	
							+--rw (nei-peer-dampening-source)?	
							+++:(nei-ca-peer-dampening-flag)	

						+--rw bgp:nei-peer-dampening-flag?	empty
						+---:(nei-ca-peer-dampening-specify-values)	
						+--rw bgp:values	
						+--rw bgp:nei-delay-hold?	nei-delay-hold
						+--rw bgp:nei-penalty?	nei-penalty
						+--rw bgp:nei-max-penalty?	nei-max-penalty
						+--rw bgp:nei-stability-interval?	nei-stability-
interval							
						+--rw bgp:remove-private-as?	empty
						+--rw bgp:as-override?	empty
						+--rw bgp:soft-reconfiguration	
						+--rw bgp:inbound?	empty
						+--rw bgp:static-network-edge?	empty
						+--rw bgp:bfd	
						+--rw bgp:bfd-enable?	empty
						+--rw bgp:holdover-interval?	bfd:bfd-holdover-interval
						+--rw bgp:interval	
						+--rw bgp:min-tx?	bfd-tx-interval-type
						+--rw bgp:min-rx?	bfd-rx-interval-type
						+--rw bgp:multipplier?	bfd-multipplier-type
						+--rw bgp:graceful-restart	
						+--rw (ch-graceful-restart-type)?	
						+---:(ca-graceful-restart-disable)	
						+--rw bgp:graceful-restart-disable?	empty
						+---:(ca-graceful-restart-status)	
						+--rw bgp:graceful-restart-status?	empty
						+--rw bgp:maxas-limit	
						+--rw bgp:in	
						+--rw (ch-maxas-limit)?	
						+---:(ca-maxas-limit-enable)	
						+--rw bgp:num-as-in-as-path?	num-as-in-as-path
						+---:(ca-maxas-limit-disable)	
						+--rw bgp:maxas-limit-disable?	empty
						+--rw bgp:graceful-shutdown	
						+--rw bgp:gshut-timer-value?	bgp-gshut-timer
						+--rw (ch-gshut-options)?	
						+---:(ca-gshut-timer-route-map)	
						+--rw bgp:gshut-route-map?	rmap-type
						+---:(ca-gshut-timer-attributes)	
						+--rw bgp:gshut-timer-attributes	
						+--rw bgp:gshut-local-pref?	bgp-gshut-local-pref
						+--rw bgp:gshut-community?	bgp-gshut-community
						+--rw bgp:af-neighbor-capability	
						+--rw bgp:as4	
						+--rw bgp:neighbor-as4-enable?	empty
						+--rw bgp:neighbor-as4-disable?	empty
						+--rw bgp:shutdown	
						+--rw bgp:shutdown-status?	empty
						+--rw bgp:generate-rib-out?	empty
						+--rw bgp:neighbor-ips	
						+--rw bgp:neighbor-addr* [router-bgp-neighbor-address]	
						+--rw bgp:router-bgp-neighbor-address	inet:ipv4-address
						+--rw bgp:remote-as?	bgp-remote-as
						+--rw bgp:associate-peer-group?	bgp-peergroup
						+--rw bgp:update-source	
						+--rw (ch-update-source)?	
						+---:(ca-ipv4)	
						+--rw bgp:sip-ipv4-address?	sip-ipv4-address
						+---:(ca-eth)	
						+--rw bgp:ethernet-interface	
						+--rw bgp:interface-type?	enumeration
						+--rw bgp:interface-name?	update-source-ethernet-
type							
						+---:(ca-port-channel)	

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| | | | | +--:(ca-maxas-limit-enable)
| | | | | | +--rw bgp:num-as-in-as-path? num-as-in-as-path
| | | | | +--:(ca-maxas-limit-disable)
| | | | | | +--rw bgp:maxas-limit-disable? empty
| | | | | +---rw bgp:graceful-shutdown
| | | | | | +--rw bgp:gshut-timer-value? bgp-gshut-timer
| | | | | | +--rw (ch-gshut-options)?
| | | | | | | +--:(ca-gshut-timer-route-map)
| | | | | | | | +--rw bgp:gshut-route-map? rmap-type
| | | | | | +--:(ca-gshut-timer-attributes)
| | | | | | | +--rw bgp:gshut-timer-attributes
| | | | | | | | +--rw bgp:gshut-local-pref? bgp-gshut-local-pref
| | | | | | | | +--rw bgp:gshut-community? bgp-gshut-community
| | | | | +---rw bgp:af-neighbor-capability
| | | | | | +--rw bgp:as4
| | | | | | | +--rw bgp:neighbor-as4-enable? empty
| | | | | | | +--rw bgp:neighbor-as4-disable? empty
| | | | | +---rw bgp:shutdown
| | | | | | +--rw bgp:shutdown-status? empty
| | | | | | +--rw bgp:generate-rib-out? empty
| | | | | +---rw bgp:listen-range* [listen-range-prefix peer-group]
| | | | | | +--rw bgp:listen-range-prefix inet:ipv4-prefix
| | | | | | +--rw bgp:peer-group bgp-peergroup
| | | | | | +--rw bgp:limit? listen-limit-type
| | | | | +---rw bgp:ipv6
| | | | | | +--rw bgp:ipv6-listen-range* [listen-range-prefix peer-group]
| | | | | | | +--rw bgp:listen-range-prefix inet:ipv6-prefix
| | | | | | | +--rw bgp:peer-group bgp-peergroup
| | | | | | | +--rw bgp:limit? listen-limit-type
| | | | | +---rw bgp:graceful-shutdown
| | | | | | +--rw bgp:gshut-timer-value? bgp-gshut-timer
| | | | | | +--rw (ch-gshut-options)?
| | | | | | | +--:(ca-gshut-timer-route-map)
| | | | | | | | +--rw bgp:gshut-route-map? rmap-type
| | | | | | +--:(ca-gshut-timer-attributes)
| | | | | | | +--rw bgp:gshut-timer-attributes
| | | | | | | | +--rw bgp:gshut-local-pref? bgp-gshut-local-pref
| | | | | | | | +--rw bgp:gshut-community? bgp-gshut-community
| | | | | +---rw bgp:init-route-calc-delay
| | | | | | +--rw bgp:init-route-calc-delay-status? empty
| | | | | | +--rw bgp:min-delay? route-calc-delay-time-min
| | | | | | +--rw bgp:max-delay? route-calc-delay-time-max
| | | | | | +--rw bgp:msg-idle-time? route-calc-delay-time-msg-idle
| | | | | +---rw bgp:address-family
| | | | | | +--rw bgp:ipv4
| | | | | | | +--rw bgp:ipv4-unicast
| | | | | | | | +--rw bgp:default-vrf
| | | | | | | | +--rw bgp:default-vrf-selected? empty
| | | | | | | +--rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder
| | | | | | | | +--rw bgp:bgp-redistribute-internal? empty
| | | | | | | +--rw bgp:redistribute
| | | | | | | | +--rw bgp:bgp
| | | | | | | | | +--rw bgp:redistribute-bgp? empty
| | | | | | | | | +--rw bgp:bgp-metric? conn-metric
| | | | | | | | | +--rw bgp:bgp-route-map? rmap-type
| | | | | | | +--rw bgp:connected
| | | | | | | | +--rw bgp:redistribute-connected? empty
| | | | | | | | +--rw bgp:unicast-metric? conn-metric
| | | | | | | | +--rw bgp:redistribute-route-map? rmap-type
| | | | | | +--rw bgp:ospf
| | | | | | | +--rw bgp:redistribute-ospf? empty
| | | | | | | +--rw bgp:match
| | | | | | | | +--rw bgp:ospf-internal? empty
| | | | | | | | +--rw bgp:ospf-external1? empty

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| | | | | | | | | +--rw bgp:ospf-external2? empty
| | | | | | | | | +---rw bgp:ospf-metric? conn-metric
| | | | | | | | | +---rw bgp:ospf-route-map? rmap-type
| | | | | | | | | +---rw bgp:redistribute-isis!
string63 | | | | | | | | | +---rw bgp:redistribute-isis-route-map? common-def:name=
| | | | | | | | | +---rw (ch-isis-level)?
| | | | | | | | | | +---:(ca-level-1)
| | | | | | | | | | | +---rw bgp:level-1? empty
| | | | | | | | | | | +---:(ca-level-2)
| | | | | | | | | | | | +---rw bgp:level-2? empty
| | | | | | | | | | | | +---:(ca-level-1-2)
| | | | | | | | | | | | +---rw bgp:level-1-2? empty
| | | | | | | | | | | +---rw bgp:redistribute-isis-metric? conn-metric
| | | | | | | | | | +---rw bgp:static
| | | | | | | | | | | +---rw bgp:redistribute-static? empty
| | | | | | | | | | | +---rw bgp:unicast-static-metric? conn-metric
| | | | | | | | | | | +---rw bgp:static-route-map? rmap-type
| | | | | | | | | +---rw bgp:af-additional-paths
| | | | | | | | | | +---rw bgp:addpath-txrx
| | | | | | | | | | | +---rw bgp:addpath-send? empty
| | | | | | | | | | | +---rw bgp:addpath-receive? empty
| | | | | | | | | | +---rw bgp:addpath-select
| | | | | | | | | | | +---rw bgp:addpath-sel-best? uint8
| | | | | | | | | | | +---rw bgp:addpath-sel-groupbest? empty
| | | | | | | | | | | +---rw bgp:addpath-sel-all? empty
| | | | | | | | | | +---rw bgp:advertise-best-external? empty
| | | | | | | | | +---rw bgp:static-network* [static-network-address]
| | | | | | | | | | +---rw bgp:static-network-address inet:ipv4-prefix
| | | | | | | | | | +---rw bgp:static-network-distance? sdistance
| | | | | | | | | +---rw bgp:aggregate-address* [aggregate-ip-prefix]
| | | | | | | | | | +---rw bgp:aggregate-ip-prefix inet:ipv4-prefix
| | | | | | | | | | +---rw bgp:advertise-map? advertise-map
| | | | | | | | | | +---rw bgp:as-set? empty
| | | | | | | | | | +---rw bgp:attribute-map? attribute-map
| | | | | | | | | | +---rw bgp:summary-only? empty
| | | | | | | | | | +---rw bgp:suppress-map? suppress-map
| | | | | | | | | +---rw bgp:network* [network-ipv4-address]
| | | | | | | | | | +---rw bgp:network-ipv4-address inet:ipv4-prefix
| | | | | | | | | | +---rw bgp:network-weight? absolute-decimal-number
| | | | | | | | | | +---rw bgp:backdoor? empty
| | | | | | | | | | +---rw bgp:network-route-map? rmap-type
| | | | | | | | | +---rw bgp:neighbor
| | | | | | | | | | +---rw bgp:af-ipv4-neighbor-peergroup-holder
peergroup-name] | | | | | | | | | +---rw bgp:af-ipv4-neighbor-peergroup* [af-ipv4-neighbor-
peergroup | | | | | | | | | +---rw bgp:af-ipv4-neighbor-peergroup-name bgp-
| | | | | | | | | +---rw bgp:send-community
| | | | | | | | | | +---rw bgp:send-community-status? empty
| | | | | | | | | | +---rw bgp:all? empty
| | | | | | | | | | | +---rw bgp:both? empty
| | | | | | | | | | | +---rw bgp:extended? empty
| | | | | | | | | | | +---rw bgp:standard? empty
| | | | | | | | | | | +---rw bgp:large? empty
| | | | | | | | | +---rw bgp:af-neighbor-capability
| | | | | | | | | | +---rw bgp:orf
| | | | | | | | | | | +---rw bgp:prefixlist
| | | | | | | | | | | | +---rw bgp:prefixlist-status? empty
| | | | | | | | | | | | +---rw bgp:prefixlist-send? empty
| | | | | | | | | | | | +---rw bgp:prefixlist-receive? empty
| | | | | | | | | +---rw bgp:activate? empty
| | | | | | | | | +---rw bgp:allowas-in? uint32
| | | | | | | | | +---rw bgp:filter-list

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| | | | | | | | +--rw bgp:af-neighbor-capability
| | | | | | | | |   +-+rw bgp:orf
| | | | | | | | |   +-+rw bgp:prefixlist
| | | | | | | | |   |     +-+rw bgp:prefixlist-status?      empty
| | | | | | | | |   |     +-+rw bgp:prefixlist-send?        empty
| | | | | | | | |   |     +-+rw bgp:prefixlist-receive?     empty
| | | | | | | | | +--rw bgp:activate?                empty
| | | | | | | | | +--rw bgp:allowas-in?                  uint32
| | | | | | | | | +--rw bgp:filter-list
| | | | | | | | | |   +-+rw bgp:direction-in
| | | | | | | | | | | +-+rw bgp:filter-list-direction-in-acl-name? ip-
filter-name         | | | +-+rw bgp:filter-list-name-direction-in?
empty               | | | +-+rw bgp:direction-out
| | | | | | | | | |   +-+rw bgp:filter-list-direction-out-acl-name? ip-
filter-name         | | | +-+rw bgp:filter-list-name-direction-out?
empty               | | | +-+rw bgp:maximum-prefix
| | | | | | | | | |   |   +-+rw bgp:max-prefix-limit?    max-prefix-limit
| | | | | | | | | |   |   +-+rw bgp:threshold-holder
| | | | | | | | | |   |     +-+rw bgp:threshold?          max-prefix-threshold
| | | | | | | | | |   |     +-+rw bgp:teardown?            empty
| | | | | | | | | |   |     +-+rw bgp:restart-interval?    restart-interval-
range              | | | +-+rw bgp:default-originate
| | | | | | | | | |   |   +-+rw bgp:default-originate-status?      empty
| | | | | | | | | |   |   +-+rw bgp:default-originate-route-map?    rmap-type
| | | | | | | | | | +--rw bgp:prefix-list
| | | | | | | | | | |   +-+rw bgp:direction-in
| | | | | | | | | | | | +-+rw bgp:prefix-list-direction-in-prefix-name?
nei-prefix-list-filter | | | +-+rw bgp:prefix-list-direction-in?
empty                 | | | +-+rw bgp:direction-out
| | | | | | | | | | |   +-+rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter | | | +-+rw bgp:prefix-list-direction-out?
empty                 | | | +-+rw bgp:neighbor-route-map
| | | | | | | | | | |   +-+rw bgp:neighbor-route-map-direction-in
| | | | | | | | | | | | +-+rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64 | | | +-+rw bgp:neighbor-route-map-direction-out
| | | | | | | | | | |   +-+rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64 | | | +-+rw bgp:route-reflector-client?      empty
| | | | | | | | | | +--rw bgp:unsuppress-map
| | | | | | | | | | |   +-+rw bgp:map-name?      rmap-type
| | | | | | | | | | +--rw bgp:af-nei-weight?          nei-weight
| | | | | | | | | | +--rw bgp:enable-peer-as-check?      empty
| | | | | | | | | | +--rw bgp:announce-rpki-state?       empty
| | | | | | | | | | +--rw bgp:additional-paths
| | | | | | | | | | |   +-+rw bgp:addpath-disable?      empty
| | | | | | | | | | |   +-+rw bgp:addpath-txrx
| | | | | | | | | | | | +-+rw bgp:addpath-send?          empty
| | | | | | | | | | | | +-+rw bgp:addpath-receive?        empty
| | | | | | | | | | +--rw bgp:addpath-advertise
| | | | | | | | | | |   +-+rw bgp:addpath-adv-best?      uint8
| | | | | | | | | | |   +-+rw bgp:addpath-adv-groupbest?  empty
| | | | | | | | | | |   +-+rw bgp:addpath-adv-all?       empty
| | | | | | | | | | +--rw bgp:af-common-cmds-holder
| | | | | | | | | | |   +-+rw bgp:maximum-paths

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									+--rw bgp:load-sharing-value?	uint32	
									+--rw bgp:ebgp?	ebgp-paths	
									+--rw bgp:ibgp?	ibgp-paths	
									+--rw bgp:use-load-sharing?	empty	
									+--rw bgp:multipath		
									+--rw bgp:multipath_ebgp?	empty	
									+--rw bgp:multipath_ibgp?	empty	
									+--rw bgp:multi-as?	empty	
									+--rw bgp:always-propagate?	empty	
									+--rw bgp:default-information-originate?	empty	
									+--rw bgp:rib-route-limit?	rib-route-number	
									+--rw bgp:client-to-client-reflection?	empty	
									+--rw bgp:dampening		
									+--rw (ch-dampening-source)?		
									+++:(ca-dampening-flag)		
									+--rw bgp:dampening-flag?	empty	
									+++:(ca-dampening-specify-values)		
									+--rw bgp:values		
									+--rw bgp:half-time?	htime	
									+--rw bgp:reuse-value?	damp-reuse-value	
									+--rw bgp:start-suppress-time?	damp-start-	
suppress-value											
									+--rw bgp:max-suppress-time?	damp-max-suppress-	
value											
									+++:(ca-dampening-route-map)		
									+--rw bgp:dampening-route-map?	rmap-type	
									+--rw bgp:default-metric?	default-metric-	
number											
									+--rw bgp:next-hop-enable-default?	empty	
									+--rw bgp:table-map		
									+--rw bgp:table-map-route-map?	rmap-type	
									+--rw bgp:update-time?	update-time-type	
									+--rw bgp:graceful-restart		
									+--rw bgp:graceful-restart-status?	empty	
									+--rw bgp:restart-time?	rtime-type	
									+--rw bgp:purge-time?	ptime-type	
									+--rw bgp:stale-routes-time?	st-time-type	
									+--rw bgp:next-hop-recursion?	empty	
									+--rw bgp:bestpath		
									+--rw bgp:prefix-validation		
									+--rw bgp:prefix-validation-disable?	empty	
									+--rw bgp:disable-invalid?	empty	
									+--rw bgp:next-hop-mppls!		
									+--rw (ch-compare-lsp-follow-igp)?		
									+++:(ca-compare-lsp-metric)		
									+--rw bgp:compare-lsp-metric?	empty	
									+++:(ca-follow-igp)		
									+--rw bgp:follow-igp?	empty	
									+--rw bgp:af-vrf* [af-vrf-name]		
									+--rw bgp:af-vrf-name	string	
									+--rw bgp:local-as?	local-as-	
type											
									+--rw bgp:maxas-limit		
									+--rw bgp:in		
									+--rw bgp:num-as-in-path?	num-as-in-path	
									+--rw bgp:next-hop-recursion?	empty	
									+--rw bgp:bestpath		
									+--rw bgp:prefix-validation		
									+--rw bgp:prefix-validation-disable?	empty	
									+--rw bgp:disable-invalid?	empty	
									+--rw bgp:graceful-restart-status?	empty	
									+--rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder		
									+--rw bgp:bgp-redistribute-internal?	empty	
									+--rw bgp:redistribute		

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| | | | | +--rw bgp:next-hop-enable-default? empty
| | | | | +--rw bgp:table-map
| | | | | | +--rw bgp:table-map-route-map? rmap-type
| | | | | +--rw bgp:update-time? update-
time-type
| | | | | +--rw bgp:flowspec
| | | | | +--rw bgp:ipv4-flowspec-default-vrf!
| | | | | +--rw bgp:default-vrf-selected? empty
| | | | | +--rw bgp:client-to-client-reflection? empty
| | | | | +--rw bgp:distribute? common-def:name-string64
| | | | | +--rw bgp:rib-route-limit? rib-route-number
| | | | | +--rw bgp:flowspec
| | | | | | +--rw bgp:validation
| | | | | | | +--rw bgp:validation-flag? empty
| | | | | | | +--rw bgp:redirect? empty
| | | | | +--rw bgp:neighbor
| | | | | | +--rw bgp:af-ipv4-neighbor-peergroup-holder
| | | | | | | +--rw bgp:af-ipv4-neighbor-peergroup* [af-ipv4-neighbor-
peergroup-name]
| | | | | | | +--rw bgp:af-ipv4-neighbor-peergroup-name bgp-
peergroup
| | | | | | | +--rw bgp:activate? empty
| | | | | | | +--rw bgp:allowas-in? uint32
| | | | | | | +--rw bgp:maximum-prefix
| | | | | | | | +--rw bgp:max-prefix-limit? max-prefix-limit
| | | | | | | | +--rw bgp:threshold-holder
| | | | | | | | | +--rw bgp:threshold? max-prefix-threshold
| | | | | | | | | +--rw bgp:teardown? empty
| | | | | | | | | +--rw bgp:restart-interval? restart-interval-
range
| | | | | | | +--rw bgp:neighbor-route-map
| | | | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | | | +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
| | | | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | | | +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
| | | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | | +--rw bgp:af-nei-weight? nei-weight
| | | | | | | +--rw bgp:flowspec
| | | | | | | | +--rw bgp:validation
| | | | | | | | | +--rw bgp:validation-flag? empty
| | | | | | | | | +--rw bgp:redirect? empty
| | | | | | | +--rw bgp:redirect
| | | | | | | | +--rw bgp:next-hop
| | | | | | | | | +--rw bgp:next-hop-type? enumeration
| | | | | | | | | +--rw bgp:next-hop-holder? enumeration
| | | | | | | +--rw bgp:af-ipv4-neighbor-address-holder
| | | | | | | | +--rw bgp:af-ipv4-neighbor-address* [af-ipv4-neighbor-
address]
| | | | | | | | +--rw bgp:af-ipv4-neighbor-address inet:ipv4-address
| | | | | | | | +--rw bgp:activate? empty
| | | | | | | | +--rw bgp:allowas-in? uint32
| | | | | | | | +--rw bgp:maximum-prefix
| | | | | | | | | +--rw bgp:max-prefix-limit? max-prefix-limit
| | | | | | | | | +--rw bgp:threshold-holder
| | | | | | | | | | +--rw bgp:threshold? max-prefix-threshold
| | | | | | | | | | +--rw bgp:teardown? empty
| | | | | | | | | | +--rw bgp:restart-interval? restart-interval-
range
| | | | | | | | +--rw bgp:neighbor-route-map
| | | | | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | | | | +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64

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						+--rw bgp:neighbor-route-map-direction-out?	
						+--rw bgp:neighbor-route-map-name-direction-out?	
common-def:name-string64							
						+--rw bgp:route-reflector-client?	empty
						+--rw bgp:af-nei-weight?	nei-weight
						+--rw bgp:flowspec	
						+--rw bgp:validation	
						+--rw bgp:validation-flag?	empty
						+--rw bgp:redirect?	empty
						+--rw bgp:redirect	
						+--rw bgp:next-hop	
						+--rw bgp:next-hop-type?	enumeration
						+--rw bgp:next-hop-holder?	enumeration
						+---rw bgp:flowspec-vrf	
						+--rw bgp:flowspec	
						+--rw bgp:af-ipv4-flowspec-vrf*	[af-ipv4-flowspec-vrf-name]
						+--rw bgp:af-ipv4-flowspec-vrf-name	string
						+--rw bgp:client-to-client-reflection?	empty
						+--rw bgp:distribute?	common-def:name-
string64							
						+--rw bgp:rib-route-limit?	rib-route-number
						+--rw bgp:flowspec	
						+--rw bgp:validation	
						+--rw bgp:validation-flag?	empty
						+--rw bgp:redirect?	empty
						+--rw bgp:neighbor	
						+--rw bgp:af-ipv4-neighbor-address-holder	
						+--rw bgp:af-ipv4-neighbor-address*	[af-ipv4-neighbor-
address]							
address						+--rw bgp:af-ipv4-neighbor-address	inet:ipv4-
						+--rw bgp:activate?	empty
						+--rw bgp:allowas-in?	uint32
						+--rw bgp:maximum-prefix	
						+--rw bgp:max-prefix-limit?	max-prefix-limit
						+--rw bgp:threshold-holder	
						+--rw bgp:threshold?	max-prefix-
threshold							
						+--rw bgp:teardown?	empty
						+--rw bgp:restart-interval?	restart-interval-
range							
						+--rw bgp:neighbor-route-map	
						+--rw bgp:neighbor-route-map-direction-in	
						+--rw bgp:neighbor-route-map-name-direction-	
in?	common-def:name-string64					+--rw bgp:neighbor-route-map-direction-out	
						+--rw bgp:neighbor-route-map-name-direction-	
out?	common-def:name-string64						
						+--rw bgp:route-reflector-client?	empty
						+--rw bgp:af-nei-weight?	nei-weight
						+--rw bgp:flowspec	
						+--rw bgp:validation	
						+--rw bgp:validation-flag?	empty
						+--rw bgp:redirect?	empty
						+--rw bgp:redirect	
						+--rw bgp:next-hop	
						+--rw bgp:next-hop-type?	enumeration
						+--rw bgp:next-hop-holder?	enumeration
						+--rw bgp:listen-range*	[listen-range-prefix peer-group]
						+--rw bgp:listen-range-prefix	inet:ipv4-prefix
						+--rw bgp:peer-group	bgp-peergroup
						+--rw bgp:limit?	listen-limit-type
						+---rw bgp:ipv6	
						+--rw bgp:ipv6-unicast	

```

| | | | | +--rw bgp:default-vrf
| | | | | +---rw bgp:default-vrf-selected? empty
| | | | | +---rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder
| | | | | | +---rw bgp:redistribute-internal? empty
| | | | | | +---rw bgp:redistribute
| | | | | | | +---rw bgp:bgp
| | | | | | | | +---rw bgp:redistribute-bgp? empty
| | | | | | | | +---rw bgp:bgp-metric? conn-metric
| | | | | | | | +---rw bgp:bgp-route-map? rmap-type
| | | | | | | +---rw bgp:connected
| | | | | | | | +---rw bgp:redistribute-connected? empty
| | | | | | | | +---rw bgp:unicast-metric? conn-metric
| | | | | | | | +---rw bgp:redistribute-route-map? rmap-type
| | | | | | +---rw bgp:ospf
| | | | | | | +---rw bgp:redistribute-ospf? empty
| | | | | | | +---rw bgp:match
| | | | | | | | +---rw bgp:ospf-internal? empty
| | | | | | | | +---rw bgp:ospf-external1? empty
| | | | | | | | +---rw bgp:ospf-external2? empty
| | | | | | | | +---rw bgp:ospf-metric? conn-metric
| | | | | | | | +---rw bgp:ospf-route-map? rmap-type
| | | | | | +---rw bgp:redistribute-isis!
| | | | | | | +---rw bgp:redistribute-isis-route-map? common-def:name-
string63
| | | | | | | +---rw (ch-isis-level)?
| | | | | | | | +---:(ca-level-1)
| | | | | | | | | +---rw bgp:level-1? empty
| | | | | | | | +---:(ca-level-2)
| | | | | | | | | +---rw bgp:level-2? empty
| | | | | | | | | +---:(ca-level-1-2)
| | | | | | | | | +---rw bgp:level-1-2? empty
| | | | | | | | +---rw bgp:redistribute-isis-metric? conn-metric
| | | | | | | +---rw bgp:static
| | | | | | | | +---rw bgp:redistribute-static? empty
| | | | | | | | +---rw bgp:unicast-static-metric? conn-metric
| | | | | | | | +---rw bgp:static-route-map? rmap-type
| | | | | | +---rw bgp:af-additional-paths
| | | | | | | +---rw bgp:addpath-txrx
| | | | | | | | +---rw bgp:addpath-send? empty
| | | | | | | | +---rw bgp:addpath-receive? empty
| | | | | | | +---rw bgp:addpath-select
| | | | | | | | +---rw bgp:addpath-sel-best? uint8
| | | | | | | | +---rw bgp:addpath-sel-groupbest? empty
| | | | | | | | +---rw bgp:addpath-sel-all? empty
| | | | | | | +---rw bgp:advertise-best-external? empty
| | | | | | +---rw bgp:aggregate-ipv6-address* [aggregate-ip-prefix]
| | | | | | | +---rw bgp:aggregate-ip-prefix inet:ipv6-prefix
| | | | | | | +---rw bgp:advertise-map? advertise-map
| | | | | | | +---rw bgp:as-set? empty
| | | | | | | +---rw bgp:attribute-map? attribute-map
| | | | | | | +---rw bgp:summary-only? empty
| | | | | | | +---rw bgp:suppress-map? suppress-map
| | | | | | +---rw bgp:network* [network-ipv6-address]
| | | | | | | +---rw bgp:network-ipv6-address inet:ipv6-prefix
| | | | | | | +---rw bgp:network-weight? absolute-decimal-number
| | | | | | | +---rw bgp:backdoor? empty
| | | | | | | +---rw bgp:network-route-map? rmap-type
| | | | | | +---rw bgp:neighbor
| | | | | | | +---rw bgp:af-ipv6-neighbor-peergroup-holder
| | | | | | | | +---rw bgp:af-ipv6-neighbor-peergroup* [af-ipv6-neighbor-
peergroup-name]
| | | | | | | +---rw bgp:af-ipv6-neighbor-peergroup-name bgp-
peergroup
| | | | | | | +---rw bgp:send-community

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								+--rw bgp:addpath-advertise	
								+--rw bgp:addpath-adv-best?	uint8
								+--rw bgp:addpath-adv-groupbest?	empty
								+--rw bgp:addpath-adv-all?	empty
								+---rw bgp:af-ipv6-neighbor-address-holder	
								+---rw bgp:af-ipv6-neighbor-address*	[af-ipv6-neighbor-
address]									
								+---rw bgp:af-ipv6-neighbor-address	inet:ipv6-address
								+---rw bgp:send-community	
								+--rw bgp:send-community-status?	empty
								+--rw bgp:all?	empty
								+--rw bgp:both?	empty
								+--rw bgp:extended?	empty
								+--rw bgp:standard?	empty
								+--rw bgp:large?	empty
								+--rw bgp:af-neighbor-capability	
								+--rw bgp:orf	
								+---rw bgp:prefixlist	
								+---rw bgp:prefixlist-status?	empty
								+---rw bgp:prefixlist-send?	empty
								+---rw bgp:prefixlist-receive?	empty
								+--rw bgp:activate?	empty
								+--rw bgp:allowas-in?	uint32
								+--rw bgp:filter-list	
								+--rw bgp:direction-in	
filter-name								+--rw bgp:filter-list-direction-in-acl-name?	ip-
								+--rw bgp:filter-list-name-direction-in?	
empty								+--rw bgp:direction-out	
								+--rw bgp:filter-list-direction-out-acl-name?	ip-
filter-name								+--rw bgp:filter-list-name-direction-out?	
empty								+--rw bgp:maximum-prefix	
								+--rw bgp:max-prefix-limit?	max-prefix-limit
								+--rw bgp:threshold-holder	
								+--rw bgp:threshold?	max-prefix-threshold
								+--rw bgp:teardown?	empty
								+--rw bgp:restart-interval?	restart-interval-
range								+--rw bgp:default-originate	
								+--rw bgp:default-originate-status?	empty
								+--rw bgp:default-originate-route-map?	rmap-type
								+--rw bgp:prefix-list	
								+--rw bgp:direction-in	
								+--rw bgp:prefix-list-direction-in-prefix-name?	
nei-prefix-list-filter								+--rw bgp:prefix-list-direction-in?	
empty								+--rw bgp:direction-out	
								+--rw bgp:prefix-list-direction-out-prefix-name?	
nei-prefix-list-filter								+--rw bgp:prefix-list-direction-out?	
empty								+--rw bgp:neighbor-route-map	
								+--rw bgp:neighbor-route-map-direction-in	
								+--rw bgp:neighbor-route-map-name-direction-in?	
common-def:name-string64								+--rw bgp:neighbor-route-map-direction-out	
								+--rw bgp:neighbor-route-map-name-direction-out?	
common-def:name-string64								+--rw bgp:route-reflector-client?	empty
								+--rw bgp:unsuppress-map	

									+--rw bgp:map-name?	rmap-type	
									+--rw bgp:af-nei-weight?	nei-weight	
									+--rw bgp:enable-peer-as-check?	empty	
									+--rw bgp:announce-rpkf-state?	empty	
									+--rw bgp:additional-paths		
									+--rw bgp:addpath-disable?	empty	
									+--rw bgp:addpath-txrx		
									+--rw bgp:addpath-send?	empty	
									+--rw bgp:addpath-receive?	empty	
									+--rw bgp:addpath-advertise		
									+--rw bgp:addpath-adv-best?	uint8	
									+--rw bgp:addpath-adv-groupbest?	empty	
									+--rw bgp:addpath-adv-all?	empty	
								+--rw bgp:af-common-cmds-holder			
									+--rw bgp:maximum-paths		
									+--rw bgp:load-sharing-value?	uint32	
									+--rw bgp:ebgp?	ebgp-paths	
									+--rw bgp:ibgp?	ibgp-paths	
									+--rw bgp:use-load-sharing?	empty	
								+--rw bgp:multipath			
									+--rw bgp:multipath_ebgp?	empty	
									+--rw bgp:multipath_ibgp?	empty	
									+--rw bgp:multi-as?	empty	
								+--rw bgp:always-propagate?		empty	
								+--rw bgp:default-information-originate?		empty	
								+--rw bgp:rib-route-limit?		rib-route-number	
								+--rw bgp:client-to-client-reflection?		empty	
								+--rw bgp:dampening			
									+--rw (ch-dampening-source)?		
									---:(ca-dampening-flag)		
									+--rw bgp:dampening-flag?	empty	
									---:(ca-dampening-specify-values)		
									+--rw bgp:values		
									+--rw bgp:half-time?	htime	
									+--rw bgp:reuse-value?	damp-reuse-value	
									+--rw bgp:start-suppress-time?	damp-start-	
suppress-value									+--rw bgp:max-suppress-time?	damp-max-suppress-	
value											
									---:(ca-dampening-route-map)		
									+--rw bgp:dampening-route-map?	rmap-type	
								+--rw bgp:default-metric?		default-metric-	
number											
									+--rw bgp:next-hop-enable-default?	empty	
									+--rw bgp:table-map		
									+--rw bgp:table-map-route-map?	rmap-type	
								+--rw bgp:update-time?		update-time-type	
								+--rw bgp:graceful-restart			
								+--rw bgp:graceful-restart-status?	empty		
								+--rw bgp:restart-time?	rttime-type		
								+--rw bgp:purge-time?	pttime-type		
								+--rw bgp:stale-routes-time?	st-time-type		
								+--rw bgp:ipv6-ucaf-next-hop-recursion?		empty	
								+--rw bgp:bestpath			
								+--rw bgp:prefix-validation			
								+--rw bgp:prefix-validation-disable?	empty		
								+--rw bgp:disable-invalid?	empty		
								+--rw bgp:af-ipv6-vrf* [af-ipv6-vrf-name]			
								+--rw bgp:af-ipv6-vrf-name		string	
								+--rw bgp:next-hop-recursion?		empty	
								+--rw bgp:bestpath			
								+--rw bgp:prefix-validation			
								+--rw bgp:prefix-validation-disable?	empty		
								+--rw bgp:disable-invalid?	empty		

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| | | | | +---rw bgp:graceful-restart-status? empty
| | | | | +---rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder
| | | | | | +---rw bgp:bgp-redistribute-internal? empty
| | | | | | +---rw bgp:redistribute
| | | | | | | +---rw bgp:bgp
| | | | | | | | +---rw bgp:redistribute-bgp? empty
| | | | | | | | +---rw bgp:bgp-metric? conn-metric
| | | | | | | | +---rw bgp:bgp-route-map? rmap-type
| | | | | | | +---rw bgp:connected
| | | | | | | | +---rw bgp:redistribute-connected? empty
| | | | | | | | +---rw bgp:unicast-metric? conn-metric
| | | | | | | | +---rw bgp:redistribute-route-map? rmap-type
| | | | | | | +---rw bgp:ospf
| | | | | | | | +---rw bgp:redistribute-ospf? empty
| | | | | | | | +---rw bgp:match
| | | | | | | | | +---rw bgp:ospf-internal? empty
| | | | | | | | | | +---rw bgp:ospf-external1? empty
| | | | | | | | | | +---rw bgp:ospf-external2? empty
| | | | | | | | | +---rw bgp:ospf-metric? conn-metric
| | | | | | | | | +---rw bgp:ospf-route-map? rmap-type
| | | | | | | +---rw bgp:redistribute-isis!
| | | | | | | | +---rw bgp:redistribute-isis-route-map? common-def:name-
string63
| | | | | | | | +---rw (ch-isis-level)?
| | | | | | | | | +---:(ca-level-1)
| | | | | | | | | | +---rw bgp:level-1? empty
| | | | | | | | | | +---:(ca-level-2)
| | | | | | | | | | | +---rw bgp:level-2? empty
| | | | | | | | | | | +---:(ca-level-1-2)
| | | | | | | | | | | | +---rw bgp:level-1-2? empty
| | | | | | | | | | | +---rw bgp:redistribute-isis-metric? conn-metric
| | | | | | | | +---rw bgp:static
| | | | | | | | | +---rw bgp:redistribute-static? empty
| | | | | | | | | +---rw bgp:unicast-static-metric? conn-metric
| | | | | | | | | +---rw bgp:static-route-map? rmap-type
| | | | | | | +---rw bgp:af-additional-paths
| | | | | | | | +---rw bgp:addpath-txrx
| | | | | | | | | +---rw bgp:addpath-send? empty
| | | | | | | | | +---rw bgp:addpath-receive? empty
| | | | | | | | | +---rw bgp:addpath-select
| | | | | | | | | | +---rw bgp:addpath-sel-best? uint8
| | | | | | | | | | +---rw bgp:addpath-sel-groupbest? empty
| | | | | | | | | | +---rw bgp:addpath-sel-all? empty
| | | | | | | | +---rw bgp:advertise-best-external? empty
| | | | | | | +---rw bgp:aggregate-ipv6-address* [aggregate-ip-prefix]
| | | | | | | | +---rw bgp:aggregate-ip-prefix inet:ipv6-prefix
| | | | | | | | +---rw bgp:advertise-map? advertise-map
| | | | | | | | +---rw bgp:as-set? empty
| | | | | | | | +---rw bgp:attribute-map? attribute-map
| | | | | | | | +---rw bgp:summary-only? empty
| | | | | | | | +---rw bgp:suppress-map? suppress-map
| | | | | | | +---rw bgp:network* [network-ipv6-address]
| | | | | | | | +---rw bgp:network-ipv6-address inet:ipv6-prefix
| | | | | | | | +---rw bgp:network-weight? absolute-decimal-number
| | | | | | | | +---rw bgp:backdoor? empty
| | | | | | | | +---rw bgp:network-route-map? rmap-type
| | | | | | | +---rw bgp:ipv6-listen-range* [listen-range-prefix peer-group]
| | | | | | | | +---rw bgp:listen-range-prefix inet:ipv6-prefix
| | | | | | | | +---rw bgp:peer-group bgp-peergroup
| | | | | | | | +---rw bgp:limit? listen-limit-type
| | | | | | | +---rw bgp:neighbor
| | | | | | | | +---rw bgp:af-ipv6-vrf-neighbor-address-holder
| | | | | | | | | +---rw bgp:af-ipv6-neighbor-addr* [af-ipv6-neighbor-address]
| | | | | | | | | +---rw bgp:af-ipv6-neighbor-address inet:ipv6-address

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						+--rw bgp:addpath-advertise	
						+---rw bgp:addpath-adv-best?	uint8
						+---rw bgp:addpath-adv-groupbest?	empty
						+---rw bgp:addpath-adv-all?	empty
						+++rw bgp:associate-peer-group?	bgp-peergroup
						+++rw bgp:maxas-limit	
						+---rw bgp:in	
						+---rw (ch-maxas-limit)?	
						+---:(ca-maxas-limit-enable)	
as-path						+---rw bgp:num-as-in-as-path?	num-as-in-
						+---:(ca-maxas-limit-disable)	
						+---rw bgp:maxas-limit-disable?	empty
description						+++rw bgp:description?	neighbor-
						+++rw bgp:local-as	
						+---rw bgp:local-as-value? local-as-num	
						+---rw bgp:no-prepend?	empty
						+++rw bgp:next-hop-self	
						+---rw (ch-next-hop-self-type)?	
						+---:(ca-next-hop-self-always)	
						+---rw bgp:next-hop-self-always?	empty
						+---:(ca-next-hop-self-status)	
						+---rw bgp:next-hop-self-status?	empty
						+++rw bgp:advertisement-interval	
						+---rw bgp:value? adv-value	
						+++rw bgp:ebgp-btsh?	empty
						+++rw bgp:ebgp-multihop	
						+---rw (ch-ebgp-multihop-type)?	
						+---:(ca-ebgp-multihop-flag)	
						+---rw bgp:ebgp-multihop-flag?	empty
						+---:(ca-ebgp-multihop-count)	
						+---rw bgp:ebgp-multihop-count?	uint32
						+++rw bgp:password?	bgp-password
						+++rw bgp:enforce-first-as	
						+---rw bgp:nei-enforce-first-as?	empty
						+---rw bgp:nei-enforce-first-as-disable?	empty
						+++rw bgp:timers	
						+---rw bgp:nei-keep-alive? nei-keep-alive	
						+---rw bgp:nei-hold-time? nei-hold-time	
						+++rw bgp:peer-dampening	
						+---rw (nei-peer-dampening-source)?	
						+---:(nei-ca-peer-dampening-flag)	
						+---rw bgp:nei-peer-dampening-flag?	empty
						+---:(nei-ca-peer-dampening-specify-values)	
						+---rw bgp:values	
delay-hold						+---rw bgp:nei-delay-hold?	nei-
						+---rw bgp:nei-penalty?	nei-
penalty						+---rw bgp:nei-max-penalty?	nei-max-
penalty						+---rw bgp:nei-stability-interval?	nei-
stability-interval						+++rw bgp:remove-private-as?	empty
						+++rw bgp:as-override?	empty
						+++rw bgp:soft-reconfiguration	
						+---rw bgp:inbound?	empty
						+++rw bgp:static-network-edge?	empty
						+++rw bgp:bfd	
						+---rw bgp:bfd-enable?	empty
interval						+---rw bgp:holdover-interval?	bfd:bfd-holdover-
						+---rw bgp:interval	

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metric-number		+++rw bgp:next-hop-enable-default?	empty
		+++rw bgp:table-map	
		+++rw bgp:table-map-route-map?	rmap-type
		+++rw bgp:update-time?	update-
time-type		+++rw bgp:flowspec	
		+++rw bgp:ipv6-flowspec-default-vrf!	
		+++rw bgp:default-vrf-selected?	empty
		+++rw bgp:client-to-client-reflection?	empty
		+++rw bgp:distribute?	common-def:name-string64
		+++rw bgp:rib-route-limit?	rib-route-number
		+++rw bgp:flowspec	
		+++rw bgp:validation	
		+++rw bgp:validation-flag?	empty
		+++rw bgp:redirect?	empty
		+++rw bgp:neighbor	
		+++rw bgp:af-ipv6-neighbor-peergroup-holder	
		+++rw bgp:af-ipv6-neighbor-peergroup*	[af-ipv6-neighbor-
peergroup-name]			
		+++rw bgp:af-ipv6-neighbor-peergroup-name	bgp-
peergroup			
		+++rw bgp:activate?	empty
		+++rw bgp:allowas-in?	uint32
		+++rw bgp:maximum-prefix	
		+++rw bgp:max-prefix-limit?	max-prefix-limit
		+++rw bgp:threshold-holder	
		+++rw bgp:threshold?	max-prefix-threshold
		+++rw bgp:teardown?	empty
		+++rw bgp:restart-interval?	restart-interval-
range			
		+++rw bgp:neighbor-route-map	
		+++rw bgp:neighbor-route-map-direction-in	
		+++rw bgp:neighbor-route-map-name-direction-in?	
common-def:name-string64			
		+++rw bgp:neighbor-route-map-direction-out	
		+++rw bgp:neighbor-route-map-name-direction-out?	
common-def:name-string64			
		+++rw bgp:route-reflector-client?	empty
		+++rw bgp:af-nei-weight?	nei-weight
		+++rw bgp:flowspec	
		+++rw bgp:validation	
		+++rw bgp:validation-flag?	empty
		+++rw bgp:redirect?	empty
		+++rw bgp:redirect	
		+++rw bgp:next-hop	
		+++rw bgp:next-hop-type?	enumeration
		+++rw bgp:next-hop-holder?	enumeration
		+++rw bgp:af-ipv6-neighbor-address-holder	
		+++rw bgp:af-ipv6-neighbor-address*	[af-ipv6-neighbor-
address]			
		+++rw bgp:af-ipv6-neighbor-address	inet:ipv6-address
		+++rw bgp:activate?	empty
		+++rw bgp:allowas-in?	uint32
		+++rw bgp:maximum-prefix	
		+++rw bgp:max-prefix-limit?	max-prefix-limit
		+++rw bgp:threshold-holder	
		+++rw bgp:threshold?	max-prefix-threshold
		+++rw bgp:teardown?	empty
		+++rw bgp:restart-interval?	restart-interval-
range			
		+++rw bgp:neighbor-route-map	
		+++rw bgp:neighbor-route-map-direction-in	
		+++rw bgp:neighbor-route-map-name-direction-in?	

common-def:name-string64						+--rw bgp:neighbor-route-map-direction-out	
						+--rw bgp:neighbor-route-map-name-direction-out?	
common-def:name-string64						+--rw bgp:route-reflector-client? empty	
						+--rw bgp:af-nei-weight? nei-weight	
						+--rw bgp:flowspec	
						+--rw bgp:validation	
						+--rw bgp:validation-flag? empty	
						+--rw bgp:redirect? empty	
						+--rw bgp:redirect	
						+--rw bgp:next-hop	
						+--rw bgp:next-hop-type? enumeration	
						+--rw bgp:next-hop-holder? enumeration	
						+--rw bgp:flowspec-vrf	
						+--rw bgp:flowspec	
						+--rw bgp:af-ipv6-flowspec-vrf* [af-ipv6-flowspec-vrf-name]	
						+--rw bgp:af-ipv6-flowspec-vrf-name string	
						+--rw bgp:client-to-client-reflection? empty	
						+--rw bgp:distribute? common-def:name-	
string64						+--rw bgp:rib-route-limit? rib-route-number	
						+--rw bgp:flowspec	
						+--rw bgp:validation	
						+--rw bgp:validation-flag? empty	
						+--rw bgp:redirect? empty	
						+--rw bgp:neighbor	
						+--rw bgp:af-ipv6-neighbor-address-holder	
address]						+--rw bgp:af-ipv6-neighbor-address* [af-ipv6-neighbor-	
address						+--rw bgp:af-ipv6-neighbor-address inet:ipv6-	
						+--rw bgp:activate? empty	
						+--rw bgp:allowas-in? uint32	
						+--rw bgp:maximum-prefix	
						+--rw bgp:max-prefix-limit? max-prefix-limit	
						+--rw bgp:threshold-holder	
threshold						+--rw bgp:threshold? max-prefix-	
						+--rw bgp:teardown? empty	
range						+--rw bgp:restart-interval? restart-interval-	
						+--rw bgp:neighbor-route-map	
						+--rw bgp:neighbor-route-map-direction-in	
in?						+--rw bgp:neighbor-route-map-name-direction-	
common-def:name-string64						+--rw bgp:neighbor-route-map-direction-out	
						+--rw bgp:neighbor-route-map-name-direction-	
out?						+--rw bgp:route-reflector-client? empty	
common-def:name-string64						+--rw bgp:af-nei-weight? nei-weight	
						+--rw bgp:flowspec	
						+--rw bgp:validation	
						+--rw bgp:validation-flag? empty	
						+--rw bgp:redirect? empty	
						+--rw bgp:redirect	
						+--rw bgp:next-hop	
						+--rw bgp:next-hop-type? enumeration	
						+--rw bgp:next-hop-holder? enumeration	
						+--rw bgp:ipv6-listen-range* [listen-range-prefix peer-group]	
						+--rw bgp:listen-range-prefix inet:ipv6-prefix	
						+--rw bgp:peer-group bgp-peer-group	
						+--rw bgp:limit? listen-limit-type	
						+--rw bgp:l2vpn	

```

| | | | | +--rw bgp:evpn!
| | | | |   +--rw bgp:suppress
| | | | |   | +--rw bgp:ipv4
| | | | |   |   +--rw bgp:host-route?    empty
| | | | |   +--rw bgp:client-to-client-reflection?    empty
| | | | |   +--rw bgp:graceful-restart
| | | | |   | +--rw bgp:graceful-restart-status?    empty
| | | | |   | +--rw bgp:restart-time?                rtime-type
| | | | |   | +--rw bgp:purge-time?                 ptime-type
| | | | |   | +--rw bgp:stale-routes-time?          st-time-type
| | | | |   +--rw bgp:retain
| | | | |   | +--rw bgp:route-target
| | | | |   |   +--rw bgp:all?    empty
| | | | |   +--rw bgp:vtep-discovery?                empty
| | | | |   +--rw bgp:import
| | | | |   | +--rw bgp:vpn4
| | | | |   | | +--rw bgp:vpn4-unicast
| | | | |   | |   +--rw bgp:vpn4-reoriginate?    empty
| | | | |   | +--rw bgp:vpn6
| | | | |   |   +--rw bgp:vpn6-unicast
| | | | |   |   +--rw bgp:vpn6-reoriginate?    empty
| | | | |   +--rw bgp:neighbor
| | | | |   +--rw bgp:evpn-peer-group* [evpn-neighbor-peer-group-name]
| | | | |   | +--rw bgp:evpn-neighbor-peer-group-name    bgp-peer-group
| | | | |   | +--rw bgp:encapsulation?                  encapsulation-t
| | | | |   | +--rw bgp:maximum-prefix?                max-prefix-limit
| | | | |   | +--rw bgp:route-reflector-client?        empty
| | | | |   | +--rw bgp:allowas-in?                    uint32
| | | | |   | +--rw bgp:next-hop-unchanged?            empty
| | | | |   | +--rw bgp:enable-peer-as-check?          empty
| | | | |   | +--rw bgp:route-map
| | | | |   | | +--rw bgp:direction-in
| | | | |   | | | +--rw bgp:route-map-name-direction-in?    common-def:name-
string64
| | | | |   | | +--rw bgp:direction-out
| | | | |   | |   +--rw bgp:route-map-name-direction-out?    common-
def:name-string64
| | | | |   | +--rw bgp:activate?                        empty
| | | | |   | +--rw bgp:send-community
| | | | |   |   +--rw bgp:send-community-status?    empty
| | | | |   |   +--rw bgp:both?                    empty
| | | | |   |   +--rw bgp:extended?                empty
| | | | |   |   +--rw bgp:standard?                empty
| | | | |   +--rw bgp:evpn-neighbor-ipv4* [evpn-neighbor-ipv4-address]
| | | | |   | +--rw bgp:evpn-neighbor-ipv4-address    inet:ipv4-address
| | | | |   | +--rw bgp:encapsulation?                encapsulation-t
| | | | |   | +--rw bgp:maximum-prefix?                max-prefix-limit
| | | | |   | +--rw bgp:route-reflector-client?        empty
| | | | |   | +--rw bgp:allowas-in?                    uint32
| | | | |   | +--rw bgp:next-hop-unchanged?            empty
| | | | |   | +--rw bgp:enable-peer-as-check?          empty
| | | | |   | +--rw bgp:route-map
| | | | |   | | +--rw bgp:direction-in
| | | | |   | | | +--rw bgp:route-map-name-direction-in?    common-def:name-
string64
| | | | |   | | +--rw bgp:direction-out
| | | | |   | |   +--rw bgp:route-map-name-direction-out?    common-
def:name-string64
| | | | |   | +--rw bgp:activate?                        empty
| | | | |   | +--rw bgp:send-community
| | | | |   |   +--rw bgp:send-community-status?    empty
| | | | |   |   +--rw bgp:both?                    empty
| | | | |   |   +--rw bgp:extended?                empty
| | | | |   |   +--rw bgp:standard?                empty

```

```

| | | | | +--rw bgp:evpn-neighbor-ipv6* [evpn-neighbor-ipv6-address]
| | | | | +--rw bgp:evpn-neighbor-ipv6-address inet:ipv6-address
| | | | | +--rw bgp:encapsulation? encapsulation-t
| | | | | +--rw bgp:maximum-prefix? max-prefix-limit
| | | | | +--rw bgp:route-reflector-client? empty
| | | | | +--rw bgp:allowas-in? uint32
| | | | | +--rw bgp:next-hop-unchanged? empty
| | | | | +--rw bgp:enable-peer-as-check? empty
| | | | | +--rw bgp:route-map
| | | | | | +--rw bgp:direction-in
| | | | | | | +--rw bgp:route-map-name-direction-in? common-def:name-
string64
| | | | | | +--rw bgp:direction-out
| | | | | | | +--rw bgp:route-map-name-direction-out? common-
def:name-string64
| | | | | +--rw bgp:activate? empty
| | | | | +--rw bgp:send-community
| | | | | | +--rw bgp:send-community-status? empty
| | | | | | +--rw bgp:both? empty
| | | | | | +--rw bgp:extended? empty
| | | | | | +--rw bgp:standard? empty
| | | | | +--rw bgp:vpn4
| | | | | | +--rw bgp:vpn4-unicast!
| | | | | | +--rw bgp:rr-group? rr-group-type
| | | | | | +--rw bgp:export-vrf-leaked-routes? empty
| | | | | | +--rw bgp:af-vpn-neighbor-peer-group-holder
| | | | | | | +--rw bgp:af-vpn-neighbor-peer-group* [af-vpn-neighbor-peer-group-
address]
| | | | | | +--rw bgp:af-vpn-neighbor-peer-group-address bgp-peer-group
| | | | | | +--rw bgp:af-neighbor-capability
| | | | | | | +--rw bgp:orf
| | | | | | | | +--rw bgp:prefix-list
| | | | | | | | | +--rw bgp:prefixlist-status? empty
| | | | | | | | | | +--rw bgp:prefixlist-send? empty
| | | | | | | | | | +--rw bgp:prefixlist-receive? empty
| | | | | | | | +--rw bgp:extended-community
| | | | | | | | | +--rw bgp:ext-community-receive? empty
| | | | | | | | | +--rw bgp:ext-community-send-vrf? empty
| | | | | | +--rw bgp:send-community
| | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | +--rw bgp:all? empty
| | | | | | | +--rw bgp:both? empty
| | | | | | | +--rw bgp:extended? empty
| | | | | | | +--rw bgp:standard? empty
| | | | | | | +--rw bgp:large? empty
| | | | | | +--rw bgp:activate? empty
| | | | | | +--rw bgp:weight? nei-weight
| | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | +--rw bgp:neighbor-route-map
| | | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-in? common-
def:name-string64
| | | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
| | | | | | +--rw bgp:prefix-list
| | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:prefix-list-direction-in-prefix-name? nei-
prefix-list-filter
| | | | | | | | +--rw bgp:prefix-list-direction-in? empty
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | +--rw bgp:prefix-list-direction-out-prefix-name? nei-
prefix-list-filter
| | | | | | | | +--rw bgp:prefix-list-direction-out? empty

```

					+--rw bgp:filter-list		
					+---rw bgp:direction-in		
					+---rw bgp:filter-list-direction-in-acl-name?	ip-filter-	
name					+---rw bgp:filter-list-name-direction-in?	empty	
					+---rw bgp:direction-out		
					+---rw bgp:filter-list-direction-out-acl-name?	ip-	
filter-name					+---rw bgp:filter-list-name-direction-out?	empty	
					+---rw bgp:af-vpnv4-neighbor-address-holder		
					+---rw bgp:af-vpnv4-neighbor* [af-vpnv4-neighbor-address]		
					+---rw bgp:af-vpnv4-neighbor-address	inet:ipv4-address	
					+---rw bgp:af-neighbor-capability		
					+---rw bgp:orf		
					+---rw bgp:prefix-list		
					+---rw bgp:prefixlist-status?	empty	
					+---rw bgp:prefixlist-send?	empty	
					+---rw bgp:prefixlist-receive?	empty	
					+---rw bgp:extended-community		
					+---rw bgp:ext-community-receive?	empty	
					+---rw bgp:ext-community-send-vrf?	empty	
					+---rw bgp:send-community		
					+---rw bgp:send-community-status?	empty	
					+---rw bgp:all?	empty	
					+---rw bgp:both?	empty	
					+---rw bgp:extended?	empty	
					+---rw bgp:standard?	empty	
					+---rw bgp:large?	empty	
					+---rw bgp:activate?	empty	
					+---rw bgp:weight?	nei-weight	
					+---rw bgp:route-reflector-client?	empty	
					+---rw bgp:neighbor-route-map		
					+---rw bgp:neighbor-route-map-direction-in		
					+---rw bgp:neighbor-route-map-name-direction-in?	common-	
def:name-string64					+---rw bgp:neighbor-route-map-direction-out		
					+---rw bgp:neighbor-route-map-name-direction-out?		
common-def:name-string64					+---rw bgp:prefix-list		
					+---rw bgp:direction-in		
					+---rw bgp:prefix-list-direction-in-prefix-name?	nei-	
prefix-list-filter					+---rw bgp:prefix-list-direction-in?	empty	
					+---rw bgp:direction-out		
					+---rw bgp:prefix-list-direction-out-prefix-name?	nei-	
prefix-list-filter					+---rw bgp:prefix-list-direction-out?	empty	
					+---rw bgp:filter-list		
					+---rw bgp:direction-in		
					+---rw bgp:filter-list-direction-in-acl-name?	ip-filter-	
name					+---rw bgp:filter-list-name-direction-in?	empty	
					+---rw bgp:direction-out		
					+---rw bgp:filter-list-direction-out-acl-name?	ip-	
filter-name					+---rw bgp:filter-list-name-direction-out?	empty	
					+---rw bgp:import		
					+---rw bgp:l2vpn		
					+---rw bgp:evpn		
					+---rw bgp:vpnvp4-evpn-reoriginate?	empty	
					+---rw bgp:vpnvp6		
					+---rw bgp:vpnvp6-unicast!		
					+---rw bgp:rr-group?	rr-group-type	
					+---rw bgp:export-vrf-leaked-routes?	empty	

```

| | | | | +--rw bgp:af-vpn-neighbor-peergroup-holder
| | | | | | +--rw bgp:af-vpn-neighbor-peergroup* [af-vpn-neighbor-peergroup-
address]
| | | | | | +--rw bgp:af-vpn-neighbor-peergroup-address bgp-peergroup
| | | | | | +--rw bgp:af-neighbor-capability
| | | | | | | +--rw bgp:orf
| | | | | | | +--rw bgp:prefix-list
| | | | | | | | +--rw bgp:prefixlist-status? empty
| | | | | | | | +--rw bgp:prefixlist-send? empty
| | | | | | | | +--rw bgp:prefixlist-receive? empty
| | | | | | | +--rw bgp:extended-community
| | | | | | | | +--rw bgp:ext-community-receive? empty
| | | | | | | | +--rw bgp:ext-community-send-vrf? empty
| | | | | | +--rw bgp:send-community
| | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | +--rw bgp:all? empty
| | | | | | | +--rw bgp:both? empty
| | | | | | | +--rw bgp:extended? empty
| | | | | | | +--rw bgp:standard? empty
| | | | | | | +--rw bgp:large? empty
| | | | | | +--rw bgp:activate? empty
| | | | | | +--rw bgp:weight? nei-weight
| | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | +--rw bgp:neighbor-route-map
| | | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-in? common-
def:name-string64
| | | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
| | | | | | +--rw bgp:prefix-list
| | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:prefix-list-direction-in-prefix-name? nei-
prefix-list-filter
| | | | | | | | +--rw bgp:prefix-list-direction-in? empty
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | +--rw bgp:prefix-list-direction-out-prefix-name? nei-
prefix-list-filter
| | | | | | | | +--rw bgp:prefix-list-direction-out? empty
| | | | | | | +--rw bgp:filter-list
| | | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:filter-list-direction-in-acl-name? ip-filter-
name
| | | | | | | | +--rw bgp:filter-list-name-direction-in? empty
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | +--rw bgp:filter-list-direction-out-acl-name? ip-
filter-name
| | | | | | | | +--rw bgp:filter-list-name-direction-out? empty
| | | | | | +--rw bgp:af-vpnv6-neighbor-address-holder
| | | | | | | +--rw bgp:af-vpnv6-neighbor* [af-vpnv6-neighbor-address]
| | | | | | | +--rw bgp:af-vpnv6-neighbor-address inet:ipv4-address
| | | | | | | +--rw bgp:af-neighbor-capability
| | | | | | | | +--rw bgp:orf
| | | | | | | | +--rw bgp:prefix-list
| | | | | | | | | +--rw bgp:prefixlist-status? empty
| | | | | | | | | +--rw bgp:prefixlist-send? empty
| | | | | | | | | +--rw bgp:prefixlist-receive? empty
| | | | | | | | +--rw bgp:extended-community
| | | | | | | | | +--rw bgp:ext-community-receive? empty
| | | | | | | | | +--rw bgp:ext-community-send-vrf? empty
| | | | | | +--rw bgp:send-community
| | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | +--rw bgp:all? empty
| | | | | | | +--rw bgp:both? empty

```

```

| | | | | | +--rw bgp:extended? empty
| | | | | | +--rw bgp:standard? empty
| | | | | | +--rw bgp:large? empty
| | | | | | +--rw bgp:activate? empty
| | | | | | +--rw bgp:weight? nei-weight
| | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | +--rw bgp:neighbor-route-map
| | | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-in? common-
def:name-string64
| | | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
| | | | | | | +--rw bgp:prefix-list
| | | | | | | | +--rw bgp:direction-in
| | | | | | | | | +--rw bgp:prefix-list-direction-in-prefix-name? nei-
prefix-list-filter
| | | | | | | | | +--rw bgp:prefix-list-direction-in? empty
| | | | | | | | | +--rw bgp:direction-out
| | | | | | | | | | +--rw bgp:prefix-list-direction-out-prefix-name? nei-
prefix-list-filter
| | | | | | | | | | +--rw bgp:prefix-list-direction-out? empty
| | | | | | | | | +--rw bgp:filter-list
| | | | | | | | | | +--rw bgp:direction-in
| | | | | | | | | | | +--rw bgp:filter-list-direction-in-acl-name? ip-filter-
name
| | | | | | | | | | | | +--rw bgp:filter-list-name-direction-in? empty
| | | | | | | | | | | | +--rw bgp:direction-out
| | | | | | | | | | | | | +--rw bgp:filter-list-direction-out-acl-name? ip-
filter-name
| | | | | | | | | | | | | +--rw bgp:filter-list-name-direction-out? empty
| | | | | | | | | | | | +--rw bgp:import
| | | | | | | | | | | | +--rw bgp:l2vpn
| | | | | | | | | | | | +--rw bgp:evpn
| | | | | | | | | | | | | +--rw bgp:vpnv6-evpn-reoriginate? empty
| | | | | | | | +--rw bgp:rpki
| | | | | | | | | +--rw bgp:rpki-priority* [priority-num]
| | | | | | | | | | +--rw bgp:priority-num rpki-priority-num
| | | | | | | | | +--rw bgp:server
| | | | | | | | | | +--rw bgp:rpki-ssh-server
| | | | | | | | | | | +--rw bgp:rpki-cache-ssh-server-name
| | | | | | | | | | | | +--rw bgp:ssh-server-name* [rpki-ssh-server-name]
| | | | | | | | | | | | +--rw bgp:rpki-ssh-server-name bgp-peer-group
| | | | | | | | | | | | +--rw bgp:rpki-ssh-server-port
| | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-port? uint32
| | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-username? string
| | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-password-file? string
| | | | | | | | | | | | +--rw bgp:rpki-cache-ssh-server-ip
| | | | | | | | | | | | | +--rw bgp:ssh-server-ip* [rpki-ssh-server-ip]
| | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-ip inet:ipv4-address
| | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-port
| | | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-port? uint32
| | | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-username? string
| | | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-password-file? string
| | | | | | | | | | | | +--rw bgp:rpki-cache-ssh-server-ipv6
| | | | | | | | | | | | | +--rw bgp:ssh-server-ipv6* [rpki-ssh-server-ipv6]
| | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-ipv6 inet:ipv6-address
| | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-port
| | | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-port? uint32
| | | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-username? string
| | | | | | | | | | | | | | +--rw bgp:rpki-ssh-server-password-file? string
| | | | | | | | +--rw bgp:rpki-tcp-server
| | | | | | | | | +--rw bgp:rpki-cache-tcp-server-name
| | | | | | | | | | +--rw bgp:tcp-server-name* [rpki-tcp-server-name]

```

```

| | | | +--rw bgp:rpki-tcp-server-name      bgp-peergroup
| | | | +--rw bgp:rpki-tcp-server-port?    uint32
| | | | +--rw bgp:rpki-cache-tcp-server-ip
| | | | | +--rw bgp:tcp-server-ip* [rpki-tcp-server-ip]
| | | | | +--rw bgp:rpki-tcp-server-ip      inet:ipv4-address
| | | | | +--rw bgp:rpki-tcp-server-port?  uint32
| | | | +--rw bgp:rpki-cache-tcp-server-ipv6
| | | | | +--rw bgp:tcp-server-ipv6* [rpki-tcp-server-ipv6]
| | | | | +--rw bgp:rpki-tcp-server-ipv6    inet:ipv6-address
| | | | | +--rw bgp:rpki-tcp-server-port?  uint32
| | +--rw isis:isis!
| | | +--rw isis:router-isis-cmds-holder
| | | | +--rw isis:net* [net-cmd]
| | | | | +--rw isis:net-cmd      net-type
| | | | +--rw isis:router-isis-attributes
| | | | | +--rw isis:auth-check
| | | | | | +--rw isis:auth-check-level1
| | | | | | | +--rw isis:auth-check-level1-disable?  empty
| | | | | | | +--rw isis:auth-check-level2
| | | | | | | +--rw isis:auth-check-level2-disable?  empty
| | | | | +--rw isis:auth-mode
| | | | | | +--rw isis:md5
| | | | | | | +--rw isis:auth-mode-md5-level1?  empty
| | | | | | | +--rw isis:auth-mode-md5-level2?  empty
| | | | | +--rw isis:auth-key
| | | | | | +--rw isis:auth-key-level1-str?  string
| | | | | | +--rw isis:auth-key-level2-str?  string
| | | | +--rw isis:bfd
| | | | | +--rw isis:bfd-global-enable?      empty
| | | | | +--rw isis:bfd-holdover-interval?  uint16
| | | | +--rw isis:csnp-interval?            uint32
| | | | +--rw isis:disable-inc-stct-spf-opt?  empty
| | | | +--rw isis:disable-incremental-spf-opt?  empty
| | | | +--rw isis:disable-partial-spf-opt?    empty
| | | | +--rw isis:fast-flood!
| | | | | +--rw isis:fast-flood-value?  uint32
| | | | +--rw isis:graceful-restart
| | | | | +--rw isis:gr-helper-disable?  empty
| | | | +--rw isis:hello
| | | | | +--rw isis:padding
| | | | | | +--rw isis:hello-padding-point-to-point
| | | | | | | +--rw isis:hello-padding-ntp-disable?  empty
| | | | | | | +--rw isis:hello-padding-disable?      empty
| | | | +--rw isis:hostname
| | | | | +--rw isis:hostname-disable?  empty
| | | | +--rw isis:is-type?              enumeration
| | | | +--rw isis:log
| | | | | +--rw isis:adjacency?          empty
| | | | | +--rw isis:invalid-lsp-packets?  empty
| | | | +--rw isis:lsp-gen-interval?      uint32
| | | | +--rw isis:lsp-interval?          uint32
| | | | +--rw isis:lsp-refresh-interval?  uint32
| | | | +--rw isis:max-lsp-lifetime?      uint32
| | | | +--rw isis:nonstop-routing?       empty
| | | | +--rw isis:partial-spf-interval
| | | | | +--rw isis:pspf-max-hold-time?  uint32
| | | | | +--rw isis:pspf-init-delay?    uint32
| | | | | +--rw isis:pspf-hold-time?     uint32
| | | | +--rw isis:retransmit-interval?  uint32
| | | | +--rw isis:set-debug
| | | | | +--rw isis:nsr?  empty
| | | | +--rw isis:set-overload-bit!
| | | | | +--rw isis:on-startup
| | | | | +--rw (ch-on-startup)?

```

```

| | | | | +---:(ca-on-startup)
| | | | | | +---rw isis:on-startup-overloadtime? uint32
| | | | | +---:(ca-on-startup-wfbgp)
| | | | | | +---rw isis:wait-for-bgp!
| | | | | | | +---rw isis:wait-for-bgp-value? uint32
| | | | | +---rw isis:spf-interval* [spf-interval-level]
| | | | | | +---rw isis:spf-interval-level enumeration
| | | | | | +---rw isis:spf-interval-max-hold-time? uint32
| | | | | | +---rw isis:spf-interval-initial-delay? uint32
| | | | | | +---rw isis:spf-interval-hold-time? uint32
| | | | | +---rw isis:reverse-metric!
| | | | | | +---rw isis:reverse_metric_tlv
| | | | | | | +---rw isis:rev-metric-tlv-type? uint16
| | | | | | +---rw isis:rev-metric-common-attributes
| | | | | | | +---rw isis:rev-metric-val? uint32
| | | | | | | +---rw isis:rev-metric-whole-lan? empty
| | | | | | | +---rw isis:rev-metric-te-def-metric? empty
| | | | +---rw isis:address-family
| | | | | +---rw isis:ipv4
| | | | | | +---rw isis:af-ipv4-unicast!
| | | | | | +---rw isis:af-ipv4-attributes
| | | | | | | +---rw isis:metric-style
| | | | | | | | +---rw isis:wide
| | | | | | | | +---rw isis:metric-style-wide-level1? empty
| | | | | | | | +---rw isis:metric-style-wide-level2? empty
| | | | | | +---rw isis:summary-address* [summary-ip summary-ip-mask]
| | | | | | | +---rw isis:summary-ip inet:ipv4-address
| | | | | | | +---rw isis:summary-ip-mask inet:ipv4-address
| | | | | | | +---rw isis:summary-ip-level1? empty
| | | | | | | +---rw isis:summary-ip-level2? empty
| | | | | | +---rw isis:ldp-sync!
| | | | | | | +---rw isis:ldp-sync-hold-down? uint32
| | | | | | +---rw isis:default-link-metric
| | | | | | | +---rw isis:default-link-metric-level1? uint32
| | | | | | | +---rw isis:default-link-metric-level2? uint32
| | | | | | +---rw isis:segment-routing
| | | | | | | +---rw isis:segment-routing-level1!
| | | | | | | | +---rw isis:srgb
| | | | | | | | | +---rw isis:level1-srgb-lower-bound? uint32
| | | | | | | | | +---rw isis:level1-srgb-upper-bound? uint32
| | | | | | | | +---rw isis:segment-routing-level2!
| | | | | | | | | +---rw isis:srgb
| | | | | | | | | +---rw isis:level2-srgb-lower-bound? uint32
| | | | | | | | | +---rw isis:level2-srgb-upper-bound? uint32
| | | | | | +---rw isis:af-common-attributes
| | | | | | | +---rw isis:default-information-originate!
| | | | | | | | +---rw isis:default-information-originate-route-map?
string | | | | |
| | | | | +---rw isis:default-metric? uint32
| | | | | +---rw isis:distance? uint32
| | | | | +---rw isis:maximum-paths? uint32
| | | | | +---rw isis:redistribute
| | | | | | +---rw isis:connected!
| | | | | | | +---rw isis:connected-metric? conn-metric
| | | | | | | +---rw isis:connected-route-map? rmap-type
| | | | | | | +---rw (ch-connected-levels)?
| | | | | | | | +---:(ca-connected-level1)
| | | | | | | | | +---rw isis:connected-level1? empty
| | | | | | | | | +---:(ca-connected-level2)
| | | | | | | | | | +---rw isis:connected-level2? empty
| | | | | | | | | +---:(ca-connected-level12)
| | | | | | | | | | +---rw isis:connected-level12? empty
| | | | | | | | +---rw isis:connected-metric-type? is-metric-type-t
| | | | | +---rw isis:ospf!

```

```

| | | | | +--rw isis:match
| | | | | | +--rw isis:ospf-internal? empty
| | | | | | +--rw isis:ospf-external1? empty
| | | | | | +--rw isis:ospf-external2? empty
| | | | | | +--rw isis:ospf-metric? conn-metric
| | | | | | +--rw isis:ospf-route-map? rmap-type
| | | | | | +--rw (ch-ospf-levels)?
| | | | | | | +--:(ca-ospf-level1)
| | | | | | | | +--rw isis:ospf-level1? empty
| | | | | | | | +--:(ca-ospf-level2)
| | | | | | | | | +--rw isis:ospf-level2? empty
| | | | | | | | +--:(ca-ospf-level12)
| | | | | | | | | +--rw isis:ospf-level12? empty
| | | | | | | +--rw isis:ospf-metric-type? is-metric-type-t
+--rw isis:static!
| | | | | | +--rw isis:static-metric? conn-metric
| | | | | | +--rw isis:static-route-map? rmap-type
| | | | | | +--rw (ch-static-levels)?
| | | | | | | +--:(ca-static-level1)
| | | | | | | | +--rw isis:static-level1? empty
| | | | | | | | +--:(ca-static-level2)
| | | | | | | | | +--rw isis:static-level2? empty
| | | | | | | | +--:(ca-static-level12)
| | | | | | | | | +--rw isis:static-level12? empty
| | | | | | | +--rw isis:static-metric-type? is-metric-type-t
+--rw isis:bgp!
| | | | | | +--rw isis:bgp-metric? conn-metric
| | | | | | +--rw isis:bgp-route-map? common-def:name-string63
| | | | | | +--rw (ch-bgp-levels)?
| | | | | | | +--:(ca-bgp-level1)
| | | | | | | | +--rw isis:bgp-level1? empty
| | | | | | | | +--:(ca-bgp-level2)
| | | | | | | | | +--rw isis:bgp-level2? empty
| | | | | | | | +--:(ca-bgp-level12)
| | | | | | | | | +--rw isis:bgp-level12? empty
| | | | | | | +--rw isis:bgp-metric-type? is-metric-type-t
+--rw isis:isis
| | | | | | +--rw isis:level-1
| | | | | | | +--rw isis:into
| | | | | | | | +--rw isis:level1-into-level2
| | | | | | | | | +--rw (ch-prefix-list-level1-disable)?
| | | | | | | | | +--:(ca-prefix-list-level1)
| | | | | | | | | | +--rw isis:prefix-list-
level1? string
| | | | | | | | | +--:(ca-level1-into-level2-disable)
| | | | | | | | | +--rw isis:level1-into-level2-
disable? empty
| | | | | | | +--rw isis:level-2
| | | | | | | | +--rw isis:into
| | | | | | | | | +--rw isis:level2-into-level1!
| | | | | | | | | +--rw isis:prefix-list-level2? string
+--rw isis:ipv6
| | | | | | +--rw isis:af-ipv6-unicast!
| | | | | | +--rw isis:af-ipv6-attributes
| | | | | | | +--rw isis:disable-adjacency-check? empty
| | | | | | | +--rw isis:summary-prefix* [summary-prefix-ipv6]
| | | | | | | | +--rw isis:summary-prefix-ipv6 common-def:ipv6-address-
prefix
| | | | | | | | +--rw isis:summary-prefix-level1? empty
| | | | | | | | +--rw isis:summary-prefix-level2? empty
| | | | | | | +--rw isis:ipv6-default-link-metric
| | | | | | | | +--rw isis:ipv6-default-link-metric-level1? uint32
| | | | | | | | +--rw isis:ipv6-default-link-metric-level2? uint32
+--rw isis:multi-topology!

```

```

| | | | +--rw isis:multi-topology-transition? empty
| | | | +--rw isis:spf6-interval* [spf6-interval-level]
| | | | | +--rw isis:spf6-interval-level enumeration
| | | | | +--rw isis:spf6-interval-max-hold-time? uint32
| | | | | +--rw isis:spf6-interval-initial-delay? uint32
| | | | | +--rw isis:spf6-interval-hold-time? uint32
| | | | +--rw isis:partial6-spf-interval
| | | | | +--rw isis:pspf6-max-hold-time? uint32
| | | | | +--rw isis:pspf6-init-delay? uint32
| | | | | +--rw isis:pspf6-hold-time? uint32
| | | | +--rw isis:af-common-attributes
| | | | | +--rw isis:default-information-originate!
| | | | | | +--rw isis:default-information-originate-route-map?
string
| | | | +--rw isis:default-metric? uint32
| | | | +--rw isis:distance? uint32
| | | | +--rw isis:maximum-paths? uint32
| | | | +--rw isis:redistribute
| | | | | +--rw isis:connected!
| | | | | | +--rw isis:connected-metric? conn-metric
| | | | | | +--rw isis:connected-route-map? rmap-type
| | | | | | +--rw (ch-connected-levels)?
| | | | | | | +--:(ca-connected-level1)
| | | | | | | | +--rw isis:connected-level1? empty
| | | | | | | +--:(ca-connected-level2)
| | | | | | | | +--rw isis:connected-level2? empty
| | | | | | | +--:(ca-connected-level12)
| | | | | | | | +--rw isis:connected-level12? empty
| | | | | | +--rw isis:connected-metric-type? is-metric-type-t
+--rw isis:ospf!
| | +--rw isis:match
| | | +--rw isis:ospf-internal? empty
| | | +--rw isis:ospf-external1? empty
| | | +--rw isis:ospf-external2? empty
| | +--rw isis:ospf-metric? conn-metric
| | +--rw isis:ospf-route-map? rmap-type
| | +--rw (ch-ospf-levels)?
| | | +--:(ca-ospf-level1)
| | | | +--rw isis:ospf-level1? empty
| | | | +--:(ca-ospf-level2)
| | | | | +--rw isis:ospf-level2? empty
| | | | +--:(ca-ospf-level12)
| | | | | +--rw isis:ospf-level12? empty
| | +--rw isis:ospf-metric-type? is-metric-type-t
+--rw isis:static!
| | +--rw isis:static-metric? conn-metric
| | +--rw isis:static-route-map? rmap-type
| | +--rw (ch-static-levels)?
| | | +--:(ca-static-level1)
| | | | +--rw isis:static-level1? empty
| | | | +--:(ca-static-level2)
| | | | | +--rw isis:static-level2? empty
| | | | +--:(ca-static-level12)
| | | | | +--rw isis:static-level12? empty
| | +--rw isis:static-metric-type? is-metric-type-t
+--rw isis:bgp!
| | +--rw isis:bgp-metric? conn-metric
| | +--rw isis:bgp-route-map? common-def:name-string63
| | +--rw (ch-bgp-levels)?
| | | +--:(ca-bgp-level1)
| | | | +--rw isis:bgp-level1? empty
| | | | +--:(ca-bgp-level2)
| | | | | +--rw isis:bgp-level2? empty
| | | | +--:(ca-bgp-level12)

```

```

| | | | | +--rw isis:bgp-level12? empty
| | | | | +--rw isis:bgp-metric-type? is-metric-type-t
| | | | | +--rw isis:isis
| | | | | +--rw isis:level-1
| | | | | | +--rw isis:into
| | | | | | +--rw isis:level1-into-level2
| | | | | | +--rw (ch-prefix-list-level1-disable)?
| | | | | | +--:(ca-prefix-list-level1)
| | | | | | | +--rw isis:prefix-list-
level1? string
| | | | | +--:(ca-level1-into-level2-disable)
| | | | | +--rw isis:level1-into-level2-
disable? empty
| | | | | +--rw isis:level-2
| | | | | +--rw isis:into
| | | | | +--rw isis:level2-into-level1!
| | | | | +--rw isis:prefix-list-level2? string
| +--rw ospf:ospf* [vrf]
| | +--rw ospf:vrf common-def:vrf-name
| | +--rw ospf:database-overflow-interval? common-def:time-interval-sec
| | +--rw ospf:default-information-originate!
| | | +--rw ospf:always? empty
| | | +--rw ospf:def-orig-metric? uint32
| | | +--rw ospf:def-orig-metric-type? metric-type
| | | +--rw ospf:def-orig-route-map? string
| | +--rw ospf:default-passive-interface? empty
| | +--rw ospf:default-metric? uint32
| | +--rw ospf:ldp-sync!
| | | +--rw ospf:ldp-sync-hold-down? uint32
| | +--rw ospf:external-lsdb-limit? uint32
| | +--rw ospf:log
| | | +--rw ospf:adjacency!
| | | | +--rw ospf:dr-only? empty
| | | +--rw ospf:log-all? empty
| | | +--rw ospf:bad-packet!
| | | | +--rw ospf:log-checksum? empty
| | | +--rw ospf:log-database? empty
| | | +--rw ospf:log-retransmit? empty
| | +--rw ospf:ospf-metric-type? metric-type
| | +--rw ospf:neighbor* [neighbor-addr]
| | | +--rw ospf:neighbor-addr ospf-ipv4-address
| | +--rw ospf:redistribute
| | | +--rw ospf:connected!
| | | | +--rw ospf:connected-route-map? common-def:name-string63
| | | +--rw ospf:static!
| | | | +--rw ospf:static-route-map? common-def:name-string63
| | | +--rw ospf:bgp!
| | | | +--rw ospf:bgp-route-map? common-def:name-string63
| | | +--rw ospf:redistribute-ospf!
| | | | +--rw ospf:ospf-route-map? common-def:name-string63
| | | +--rw ospf:isis
| | | | +--rw (ch-isis-level)?
| | | | | +--:(ca-level-1)
| | | | | | +--rw ospf:isis-level-one? empty
| | | | | | +--:(ca-level-2)
| | | | | | +--rw ospf:isis-level-two? empty
| | | | | | +--:(ca-level-1-2)
| | | | | | +--rw ospf:isis-level-one-and-two? empty
| | | | +--rw ospf:isis-route-map? common-def:name-string63
| | +--rw ospf:rfc1583-compatibility!
| | | +--rw ospf:rfc1583-compatibility-flag? empty
| | +--rw ospf:area* [area-id]
| | | +--rw ospf:area-id ospf-area-id
| | | +--rw ospf:normal? empty

```

```

| | | +--rw ospf:nssa
| | | | +--rw ospf:metric
| | | | | +--rw ospf:nssa-value? big-metric
| | | | | +--rw ospf:no-summary1? empty
| | | | +--rw ospf:default-information-originate? empty
| | | +--rw ospf:stub
| | | | +--rw ospf:metric
| | | | | +--rw ospf:stub-value? big-metric
| | | | | +--rw ospf:no-summary? empty
| | | +--rw ospf:range* [range-address range-mask]
| | | | +--rw ospf:range-address inet:ipv4-address
| | | | +--rw ospf:range-mask inet:ipv4-address
| | | | +--rw ospf:range-effect? enumeration
| | | | +--rw ospf:range-cost? range-metric
| | | +--rw ospf:prefix-list
| | | | +--rw ospf:direction-in
| | | | | +--rw ospf:prefix-list-direction-in-prefix-name? ipv4-prefix-name-t
| | | | | +--rw ospf:prefix-list-direction-in? empty
| | | | +--rw ospf:direction-out
| | | | | +--rw ospf:prefix-list-direction-out-prefix-name? ipv4-prefix-name-
t
| | | | +--rw ospf:prefix-list-direction-out? empty
| | | +--rw ospf:virtual-link* [virt-link-neighbor]
| | | | +--rw ospf:virt-link-neighbor inet:ipv4-address
| | | | +--rw ospf:authentication-key
| | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | +--rw ospf:auth-key-table
| | | | | | +--rw ospf:encrypttype? key-type
| | | | | | +--rw ospf:auth-key? ospf-auth-psswd-string
| | | | +--rw ospf:authentication
| | | | | +--rw ospf:key-chain? ospf-keychain-string
| | | | +--rw ospf:hello-interval? common-def:time-interval-sec
| | | | +--rw ospf:dead-interval? common-def:time-interval-sec
| | | | +--rw ospf:retransmit-interval? common-def:time-interval-sec
| | | | +--rw ospf:transmit-delay? common-def:time-interval-sec
| | | | +--rw ospf:md5-authentication
| | | | | +--rw ospf:key-activation-wait-time? common-def:time-interval-sec
| | | | | +--rw ospf:no-encrypt-key-table
| | | | | | +--rw ospf:no-encrypt-key-id? uint32
| | | | | | +--rw ospf:no-encrypt-key? ospf-auth-psswd-string
| | | | | +--rw ospf:key-table
| | | | | | +--rw ospf:key-id? uint32
| | | | | | +--rw ospf:key? key-type
| | | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
| | | +--rw ospf:auto-cost
| | | | +--rw ospf:reference-bandwidth
| | | | | +--rw ospf:ref-bandwidth? band-width
| | | | | +--rw ospf:use-active-ports? empty
| | | +--rw ospf:distance* [route-type]
| | | | +--rw ospf:route-type route-type-enum
| | | | | +--rw ospf:dist-value uint32
| | | +--rw ospf:distribute-list
| | | | +--rw ospf:route-map
| | | | | +--rw ospf:route-map? common-def:name-string63
| | | | | +--rw ospf:input? empty
| | | +--rw ospf:max-metric
| | | | +--rw ospf:router-lsa!
| | | | | +--rw ospf:all-vrfs? empty
| | | | | +--rw ospf:all-lsas? empty
| | | | | +--rw ospf:external-lsa!
| | | | | | +--rw ospf:external-lsa-val? uint32
| | | | +--rw ospf:summary-lsa!
| | | | | +--rw ospf:summary-lsa-val? uint32

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```

| | | +--rw ospf:link
| | | | +--rw ospf:all?          empty
| | | | +--rw ospf:ptp?          empty
| | | | +--rw ospf:stub?         empty
| | | | +--rw ospf:transit?      empty
| | | +--rw ospf:on-startup
| | | | +--rw ospf:time?          uint32
| | | | +--rw ospf:wait-for-bgp?  empty
| | | | +--rw ospf:all-lsas-onstartup?  empty
| | | | +--rw ospf:external-lsa-onstartup!
| | | | | +--rw ospf:external-lsa-val-onstartup?  uint32
| | | | +--rw ospf:summary-lsa-onstartup!
| | | | | +--rw ospf:summary-lsa-val-onstartup?  uint32
| | | | +--rw ospf:link-onstartup
| | | | | +--rw ospf:all-link-onstartup?  empty
| | | | | +--rw ospf:ptp-link-onstartup?  empty
| | | | | +--rw ospf:stub-link-onstartup?  empty
| | | | | +--rw ospf:transit-link-onstartup?  empty
| | | +--rw ospf:summary-address* [sum-address sum-address-mask]
| | | | +--rw ospf:sum-address      ospf-ipv4-address
| | | | +--rw ospf:sum-address-mask  inet:ipv4-address
| | | +--rw ospf:timers
| | | | +--rw ospf:lsa-group-pacing?  common-def:time-interval-sec
| | | | +--rw ospf:throttle
| | | | | +--rw ospf:spf
| | | | | | +--rw ospf:init-delay?      common-def:time-interval-msec
| | | | | | +--rw ospf:hold-time?      common-def:time-interval-msec
| | | | | | +--rw ospf:max-hold-time?   common-def:time-interval-msec
| | | +--rw ospf:permit
| | | | +--rw ospf:redistribute* [redist-value route-option]
| | | | | +--rw ospf:redist-value      uint32
| | | | | +--rw ospf:route-option      route-option-type
| | | | | +--rw ospf:address?          inet:ipv4-address
| | | | | +--rw ospf:mask?            inet:ipv4-address
| | | | | +--rw ospf:set-metric-val?   uint32
| | | | | +--rw ospf:match-metric-val? uint32
| | | +--rw ospf:deny
| | | | +--rw ospf:redistribute* [redist-value route-option]
| | | | | +--rw ospf:redist-value      uint32
| | | | | +--rw ospf:route-option      route-option-type
| | | | | +--rw ospf:address?          inet:ipv4-address
| | | | | +--rw ospf:mask?            inet:ipv4-address
| | | | | +--rw ospf:set-metric-val?   uint32
| | | | | +--rw ospf:match-metric-val? uint32
| | | +--rw ospf:vrf-lite-capability?  empty
| | | +--rw ospf:graceful-restart
| | | | +--rw ospf:graceful-restart-enable?  empty
| | | | +--rw ospf:helper-disable?          empty
| | | | +--rw ospf:restart-time?            common-def:time-interval-sec
| | | +--rw ospf:nonstop-routing?          empty
| | | +--rw ospf:maximum-paths?            uint8
| | | +--rw ospf:global-bfd
| | | | +--rw ospf:bfd-enable?            empty
| | | | +--rw ospf:holdover-interval?     uint8
| | | +--rw ospf:auth-transition?         empty
| +--rw pim:pim* [vrf]
| | +--rw pim:vrf          common-def:vrf-name
| | +--rw pim:hello-interval?  uint32
| | +--rw pim:prune-wait?      uint32
| | +--rw pim:nbr-timeout?     uint16
| | +--rw pim:inactivity-timer? uint16
| | +--rw pim:message-interval? uint32
| | +--rw pim:spt-threshold?    spt-thr-type
| | +--rw pim:rpf

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|   |   +--rw pim:ecmp!
|   |   |   +--rw pim:rebalance?    empty
|   +--rw pim:ssm-enable!
|   |   +--rw pim:range?    ip-prefix-name-t
|   +--rw pim:bsr-candidate
|   |   +--rw pim:bsr-cand-interface* [bsr-cand-intf-type bsr-cand-intf-id]
|   |   |   +--rw pim:bsr-cand-intf-type    pim-intf-types
|   |   |   +--rw pim:bsr-cand-intf-id      pim-intf-name_t
|   |   |   +--rw pim:hash-mask-length?    uint16
|   |   |   +--rw pim:bsr-cand-priority?    uint32
|   +--rw pim:rp-candidate
|   |   +--rw pim:rp-cand-interface* [rp-cand-intf-type rp-cand-intf-id]
|   |   |   +--rw pim:rp-cand-intf-type    pim-intf-types
|   |   |   +--rw pim:rp-cand-intf-id      pim-intf-name_t
|   |   +--rw pim:rp-cand-grp-prefix* [rp-cand-prefix-name]
|   |   |   +--rw pim:rp-cand-prefix-name    ip-prefix-name-t
|   +--rw pim:route-precedence
|   |   +--rw pim:uc-default?    route-precedence-type
|   |   +--rw pim:uc-non-default? route-precedence-type
|   |   +--rw pim:none?          route-precedence-type
|   +--rw pim:anycast-rp* [anycast-ip-addr]
|   |   +--rw pim:anycast-ip-addr    inet:ipv4-address
|   |   +--rw pim:anycast-prefix-list? ip-prefix-name-t
|   +--rw pim:rp-address* [rp-ip-addr]
|   |   +--rw pim:rp-ip-addr          inet:ipv4-address
|   |   +--rw pim:rp-addr-prefix-list? common-def:name-string63
|   +--rw pim:max-mcache?            uint32
+--rw ip
|   +--rw arp:neighbor-optimization
|   |   +--rw arp:nbr-optimization-disable? empty
|   +--rw dhcp:dhcp
|   |   +--rw dhcp:relay
|   |   |   +--rw dhcp:information
|   |   |   |   +--rw dhcp:option?    empty
|   |   +--rw dhcp:snooping
|   |   |   +--rw dhcp:snoop-enable?    empty
|   |   |   +--rw dhcp:information
|   |   |   |   +--rw dhcp:option
|   |   |   |   |   +--rw dhcp:snoop-option?    empty
|   |   |   |   |   +--rw dhcp:allow-untrusted? empty
|   |   +--rw dhcp:binding* [mac-address ip-address vlan interface-type interface-
name]
|   |   |   +--rw dhcp:mac-address    string
|   |   |   +--rw dhcp:ip-address      dhcp-ipv4-address
|   |   |   +--rw dhcp:vlan            interface:vlan-type
|   |   |   +--rw dhcp:interface-type  dhcp-snooping-interface-type
|   |   |   +--rw dhcp:interface-name  dhcp-snooping-interface-name
|   +--rw ip-access-list:receive
|   |   +--rw ip-access-list:access-group* [acl-name]
|   |   |   +--rw ip-access-list:acl-name    l3-acl-policy-name
|   |   |   +--rw ip-access-list:sequence?   racl-seq-id
|   +--rw ip-access-list:global-subnet-broadcast-acl
|   |   +--rw ip-access-list:ip-access-list? l3-acl-policy-name
|   +--rw ip-policy:hide-large-community-list-holder
|   |   +--rw ip-policy:large-community-list
|   |   |   +--rw ip-policy:standard* [name seq-keyword instance]
|   |   |   |   +--rw ip-policy:name          ip-large-community-list-name-t
|   |   |   |   +--rw ip-policy:seq-keyword    enumeration
|   |   |   |   +--rw ip-policy:instance       instance-id-t
|   |   |   |   +--rw ip-policy:action?        action-t
|   |   |   |   +--rw ip-policy:expr?          large-community-expr-t
|   |   +--rw ip-policy:extended* [name seq-keyword instance]
|   |   |   +--rw ip-policy:name          ip-large-community-list-name-t
|   |   |   +--rw ip-policy:seq-keyword    enumeration

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| | | | | +---rw ip-policy:instance instance-id-t
| | | | | +---rw ip-policy:action? action-t
| | | | | +---rw ip-policy:regex-expr? ip-community-reg-expr-t
| | | | | +---rw vrrp:static-ag-ip-config
| | | | | | +---rw vrrp:anycast-gateway-mac
| | | | | | +---rw vrrp:ip-anycast-gateway-mac? mac-access-list:mac-address-type
| | | | | | +---rw vrrp:ip-anycast-default-mac? empty
+---rw ipv6
| | | | | +---rw router
| | | | | | +---rw ospfv3:ospf* [vrf]
| | | | | | | +---rw ospfv3:vrf common-def:vrf-name
| | | | | | | +---rw ospfv3:area* [area-id]
| | | | | | | | +---rw ospfv3:area-id ospf:ospf-area-id
| | | | | | | | +---rw ospfv3:normal? empty
| | | | | | | | +---rw ospfv3:nssa!
| | | | | | | | | +---rw ospfv3:metric
| | | | | | | | | | +---rw ospfv3:nssa-area-metric? uint32
| | | | | | | | | | +---rw ospfv3:area-default-information-originate!
| | | | | | | | | | +---rw ospfv3:area-default-information-originate-metric?
uint32
| | | | | | | | | | +---rw ospfv3:area-default-information-originate-metric-type?
ospf:metric-type
| | | | | | | | | | +---rw ospfv3:no-redistribution? empty
| | | | | | | | | | +---rw ospfv3:nssa-area-no-summary? empty
| | | | | | | | | | +---rw ospfv3:translator-always? empty
| | | | | | | | | | +---rw ospfv3:translator-interval? common-def:time-
interval-sec
| | | | | | | | | | +---rw ospfv3:stub
| | | | | | | | | | | +---rw ospfv3:stub-area-no-summary? empty
| | | | | | | | | | | +---rw ospfv3:stub-area-metric? uint32
| | | | | | | | | | +---rw ospfv3:authentication
| | | | | | | | | | | +---rw ospfv3:ipsec-auth-key-config
| | | | | | | | | | | | +---rw ospfv3:spi? spi-value-type
| | | | | | | | | | | | +---rw (ch-algorithm)?
| | | | | | | | | | | | | +---: (ca-ah-algorithm)
| | | | | | | | | | | | | | +---rw ospfv3:ah? algorithm-type-ah
| | | | | | | | | | | | | | +---rw ospfv3:ah-key? ipsec-authentication-hexkey-
string
| | | | | | | | | | | | | +---: (ca-esp-algorithm)
| | | | | | | | | | | | | | +---rw ospfv3:esp? algorithm-type-esp
| | | | | | | | | | | | | | +---rw ospfv3:esp-auth? algorithm-type-ah
| | | | | | | | | | | | | | +---rw ospfv3:esp-auth-key? ipsec-authentication-hexkey-
string
| | | | | | | | | | | | | +---rw ospfv3:virtual-link* [virtual-link-neighbor]
| | | | | | | | | | | | | | +---rw ospfv3:virtual-link-neighbor inet:ipv4-address
| | | | | | | | | | | | | | +---rw ospfv3:link-properties
| | | | | | | | | | | | | | | +---rw ospfv3:link-interval-properties
| | | | | | | | | | | | | | | | +---rw ospfv3:hello-interval? common-def:time-interval-
sec
| | | | | | | | | | | | | | | | +---rw ospfv3:dead-interval? common-def:time-interval-
sec
| | | | | | | | | | | | | | | | +---rw ospfv3:hello-jitter? uint32
| | | | | | | | | | | | | | | | +---rw ospfv3:retransmit-interval? common-def:time-interval-
sec
| | | | | | | | | | | | | | | | +---rw ospfv3:transmit-delay? common-def:time-interval-
sec
| | | | | | | | | | | | | | | | +---rw ospfv3:authentication
| | | | | | | | | | | | | | | | | +---rw ospfv3:key-chain? string
| | | | | | | | | | | | | | | | | +---rw ospfv3:ipsec-auth-key-config
| | | | | | | | | | | | | | | | | | +---rw ospfv3:spi? spi-value-type
| | | | | | | | | | | | | | | | | | +---rw (ch-algorithm)?
| | | | | | | | | | | | | | | | | | | +---: (ca-ah-algorithm)
| | | | | | | | | | | | | | | | | | | | +---rw ospfv3:ah? algorithm-type-ah
| | | | | | | | | | | | | | | | | | | | +---rw ospfv3:ah-key? ipsec-authentication-

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hexkey-string
| | | | |
| | | | | +--:(ca-esp-algorithm)
| | | | | +--rw ospfv3:esp? algorithm-type-esp
| | | | | +--rw ospfv3:esp-auth? algorithm-type-ah
| | | | | +--rw ospfv3:esp-auth-key? ipsec-authentication-
hexkey-string
| | | | | +--rw ospfv3:area-range* [range-address]
| | | | | +--rw ospfv3:range-address common-def:ipv6-address-prefix
| | | | | +--rw ospfv3:range-effect? enumeration
| | | | | +--rw ospfv3:range-cost? ospf:range-metric
| | | | +--rw ospfv3:auto-cost
| | | | | +--rw ospfv3:reference-bandwidth? ospf:band-width
| | | | +--rw ospfv3:database-overflow-interval? common-def:time-
interval-sec
| | | | +--rw ospfv3:global-default-information-originate!
| | | | | +--rw ospfv3:global-default-information-originate-always? empty
| | | | | +--rw ospfv3:global-default-information-originate-metric? uint32
| | | | | +--rw ospfv3:global-default-information-originate-metric-type?
ospf:metric-type
| | | | +--rw ospfv3:default-metric? uint32
| | | | +--rw ospfv3:default-passive-interface? empty
| | | | +--rw ospfv3:distance* [route-type]
| | | | | +--rw ospfv3:route-type ospf:route-type-enum
| | | | | +--rw ospfv3:distance-value? uint32
| | | | +--rw ospfv3:distribute-list
| | | | | +--rw ospfv3:route-map
| | | | | | +--rw ospfv3:distribute-list-route-map-name? common-def:name-
string63
| | | | | | +--rw ospfv3:distribute-list-route-map-in? empty
| | | | | | +--rw ospfv3:prefix-list
| | | | | | +--rw ospfv3:distribute-list-prefix-list-name? common-def:name-
string63
| | | | | | +--rw ospfv3:distribute-list-prefix-list-in? empty
| | | | | +--rw ospfv3:external-lsdb-limit? uint32
| | | | +--rw ospfv3:graceful-restart
| | | | | +--rw ospfv3:helper
| | | | | | +--rw ospfv3:graceful-restart-helper-disable? empty
| | | | | | +--rw ospfv3:graceful-restart-helper-strict-lsa-checking? empty
| | | | | +--rw ospfv3:restart-time? common-def:time-interval-sec
| | | | +--rw ospfv3:key-add-remove-interval? common-def:time-
interval-sec
| | | | +--rw ospfv3:key-rollover-interval? common-def:time-
interval-sec
| | | | +--rw ospfv3:log
| | | | | +--rw ospfv3:log-adjacency!
| | | | | | +--rw ospfv3:log-adjacency-dr-only? empty
| | | | | +--rw ospfv3:log-all? empty
| | | | | +--rw ospfv3:log-bad-packet!
| | | | | | +--rw ospfv3:log-bad-packet-checksum? empty
| | | | | +--rw ospfv3:log-database? empty
| | | | | +--rw ospfv3:log-retransmit? empty
| | | | | +--rw ospfv3:global-metric-type? ospf:metric-type
| | | | +--rw ospfv3:redistribute
| | | | | +--rw ospfv3:redistribute-connected!
| | | | | | +--rw ospfv3:connected-route-map? common-def:name-
string63
| | | | | | +--rw ospfv3:redistribute-connected-metric? uint32
| | | | | | +--rw ospfv3:redistribute-connected-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-static!
| | | | | | +--rw ospfv3:static-route-map? common-def:name-
string63
| | | | | | +--rw ospfv3:redistribute-static-metric? uint32
| | | | | | +--rw ospfv3:redistribute-static-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-isis!

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| | | | | +--rw ospfv3:redistribute-isis-route-map? common-def:name-
string63
| | | | | +--rw (ch-isis-level)?
| | | | | | +--:(ca-level-1)
| | | | | | | +--rw ospfv3:level-1? empty
| | | | | | | +--:(ca-level-2)
| | | | | | | +--rw ospfv3:level-2? empty
| | | | | | | +--:(ca-level-1-2)
| | | | | | | +--rw ospfv3:level-1-2? empty
| | | | | +--rw ospfv3:redistribute-isis-metric? uint32
| | | | | +--rw ospfv3:redistribute-isis-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-bgp!
| | | | | +--rw ospfv3:bgp-route-map? common-def:name-string63
| | | | | +--rw ospfv3:redistribute-bgp-metric? uint32
| | | | | +--rw ospfv3:redistribute-bgp-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-ospf!
| | | | | +--rw ospfv3:ospf-route-map? common-def:name-
string63
| | | | | +--rw ospfv3:redistribute-ospf-metric? uint32
| | | | | +--rw ospfv3:redistribute-ospf-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:summary-address* [summary-address-value]
| | | | | | +--rw ospfv3:summary-address-value common-def:ipv6-address-prefix
| | | | | +--rw ospfv3:timers
| | | | | | +--rw ospfv3:lsa-group-pacing? common-def:time-interval-sec
| | | | | | +--rw ospfv3:spf
| | | | | | | +--rw ospfv3:spf-delay? common-def:time-interval-sec
| | | | | | | +--rw ospfv3:spf-hold-time? common-def:time-interval-sec
| | | | | +--rw ospfv3:nonstop-routing? empty
| | | | | +--rw ospfv3:maximum-paths? uint32
| | | | | +--rw ospfv3:max-metric
| | | | | | +--rw ospfv3:router-lsa!
| | | | | | | +--rw ospfv3:all-lsas? empty
| | | | | | | +--rw ospfv3:external-lsa!
| | | | | | | | +--rw ospfv3:external-lsa-value? uint32
| | | | | | | +--rw ospfv3:summary-lsa!
| | | | | | | | +--rw ospfv3:summary-lsa-value? uint32
| | | | | | | +--rw ospfv3:include-stub? empty
| | | | | | +--rw ospfv3:on-startup
| | | | | | | +--rw ospfv3:on-startup-time? uint32
| | | | | | | +--rw ospfv3:wait-for-bgp? empty
| | | | | +--rw ospfv3:bfd
| | | | | | +--rw ospfv3:bfd-enable? empty
| | | | | | | +--rw ospfv3:bfd-holdover-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:vrf-lite-capability? empty
| | | | | +--rw ospfv3:auth-transition? empty
| | | | | +--rw pim:pim* [vrf]
| | | | | | +--rw pim:vrf common-def:vrf-name
| | | | | | +--rw pim:hello-interval? uint32
| | | | | | +--rw pim:prune-wait? uint32
| | | | | | +--rw pim:nbr-timeout? uint16
| | | | | | +--rw pim:inactivity-timer? uint16
| | | | | | +--rw pim:message-interval? uint32
| | | | | | +--rw pim:spt-threshold? spt-thr-type
| | | | | | +--rw pim:rpf
| | | | | | | +--rw pim:ecmp!
| | | | | | | +--rw pim:rebalance? empty
| | | | | | +--rw pim:ssm-enable!
| | | | | | | +--rw pim:range? ip-prefix-name-t
| | | | | | +--rw pim:bsr-candidate
| | | | | | | +--rw pim:bsr-cand-interface* [bsr-cand-intf-type bsr-cand-intf-id]
| | | | | | | | +--rw pim:bsr-cand-intf-type pim-intf-types
| | | | | | | | +--rw pim:bsr-cand-intf-id pim-intf-name_t
| | | | | | | +--rw pim:hash-mask-length? uint16
| | | | | | +--rw pim:bsr-cand-priority? uint32

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| | +--rw pim:rp-candidate
| | | +--rw pim:rp-cand-interface* [rp-cand-intf-type rp-cand-intf-id]
| | | | +--rw pim:rp-cand-intf-type pim-intf-types
| | | | +--rw pim:rp-cand-intf-id pim-intf-name_t
| | | | +--rw pim:rp-cand-grp-prefix* [rp-cand-prefix-name]
| | | | +--rw pim:rp-cand-prefix-name ip-prefix-name-t
| | +--rw pim:route-precedence
| | | +--rw pim:uc-default? route-precedence-type
| | | +--rw pim:uc-non-default? route-precedence-type
| | | +--rw pim:none? route-precedence-type
| | +--rw pim:anycast-rp* [anycast-ip-addr]
| | | +--rw pim:anycast-ip-addr inet:ipv6-address
| | | +--rw pim:anycast-prefix-list? ipv6-prefix-name-t
| | +--rw pim:rp-address* [rp-ip-addr]
| | | +--rw pim:rp-ip-addr inet:ipv6-address
| | | +--rw pim:rp-addr-prefix-list? common-def:name-string63
| | +--rw pim:max-mcache? uint32
+--rw ipv6-access-list:receive
| | +--rw ipv6-access-list:access-group* [acl-name]
| | +--rw ipv6-access-list:acl-name ipv6-l3-acl-policy-name
| | +--rw ipv6-access-list:sequence? ip-access-list:racl-seq-id
+--rw vrrp:static-ag-ipv6-config
| | +--rw vrrp:anycast-gateway-mac
| | +--rw vrrp:ipv6-anycast-gateway-mac? mac-access-list:mac-address-type
| | +--rw vrrp:ipv6-anycast-default-mac? empty
+--rw brocade-interface:protocol
| | +--rw vrrp:vrrp-holder
| | | +--rw vrrp:vrrp? empty
| | | +--rw vrrp:vrrp-extended? empty
+--rw brocade-interface:interface
| | +--rw brocade-interface:ve* [name]
| | | +--rw brocade-interface:name config-ve-type
| | | +--rw brocade-interface:description? string
| | | +--rw brocade-interface:bfd
| | | | +--rw brocade-interface:interval
| | | | | +--rw brocade-interface:min-tx? bfd-tx-interval-type
| | | | | +--rw brocade-interface:min-rx? bfd-rx-interval-type
| | | | | +--rw brocade-interface:multiplier? bfd-multiplier-type
| | | | +--rw brocade-interface:bfd-shutdown? empty
| | | +--rw brocade-interface:snmp
| | | | +--rw brocade-interface:trap
| | | | +--rw brocade-interface:link-status
| | | | +--rw brocade-interface:snmp-link-disable? empty
| | +--rw qos-mls:qos
| | | +--rw qos-mls:dscp-cos? map-name-type
| | | +--rw qos-mls:dscp-cos-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:dscp-mutation? map-name-type
| | | | +--rw qos-mls:dscp-mutation-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:dscp-traffic-class? map-name-type
| | | | +--rw qos-mls:dscp-traffic-class-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:traffic-class-dscp? map-name-type
| | | | +--rw qos-mls:traffic-class-dscp-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | +--rw qos-mqc:service-policy
| | | +--rw qos-mqc:in? map-name-type
| | | +--rw qos-mqc:out? map-name-type
+--rw ip-config:vrf
| | +--rw ip-config:forwarding? common-def:vrf-name
+--rw ip-config:ip
| | +--rw ip-config:ip-config
| | | +--rw ip-config:mtu? ip-mtu

```

```

| | | | +--rw ip-config:directed-broadcast? empty
| | | | +--rw ip-config:arp
| | | | | +--rw ip-config:learn-any? empty
| | | | | +--rw ip-config:proxy-arp? empty
| | | | +--rw ip-config:arp-aging-timeout? uint32
| | | | +--rw ip-config:irdp? empty
| | | | +--rw ip-config:address* [address]
| | | | | +--rw ip-config:address union
| | | | | +--rw ip-config:secondary? empty
| | | | | +--rw ip-config:ospf-passive? empty
| | | | | +--rw ip-config:ospf-ignore? empty
| | | +--rw dhcp:interface-ve-dhcp-conf
| | | | +--rw dhcp:dhcp
| | | | | +--rw dhcp:relay
| | | | | | +--rw dhcp:servers* [relay-ip-addr server-vrf-name]
| | | | | | | +--rw dhcp:relay-ip-addr dhcp-ipv4-address
| | | | | | | +--rw dhcp:server-vrf-name common-def:vrf-name
| | | | | +--rw dhcp:gateway
| | | | | | +--rw dhcp:gateway-address? dhcp-ipv4-address
| | | | | | +--rw dhcp:gw-intf-type? dhcp-gateway-interface-type
| | | | | | +--rw dhcp:gw-intf-name? dhcp-gateway-interface-name
| | | +--rw icmp:icmp
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:redirect? empty
| | | | +--rw icmp:unreachable? empty
| | | +--rw igmp:igmp
| | | | +--rw igmp:igmpl3-last-member-query-interval? igmp-snooping:lmqt-type
| | | | +--rw igmp:igmpl3-query-interval? igmp-snooping:qi-type
| | | | +--rw igmp:igmpl3-query-max-response-time? igmp-snooping:qmrt-type
| | | | +--rw igmp:igmpl3-immediate-leave? empty
| | | | +--rw igmp:igmpl3-version? uint32
| | | | | +--rw igmp:igmpl3-static-group* [igmpl3-sg-addr]
| | | | | | +--rw igmp:igmpl3-sg-addr inet:ipv4-address
| | | +--rw isis:intf-router-isis
| | | | +--rw isis:int-router-isis
| | | | | +--rw isis:interface-ip-router-isis? empty
| | | +--rw vrrp:ip-anycast-address* [ip-address]
| | | | +--rw vrrp:ip-address union
| | | +--rw vrrp:ip-vrrp-extended
| | | | +--rw vrrp:auth-type
| | | | | +--rw vrrp:md5-auth
| | | | | | +--rw vrrp:auth-data? string
| | | +--rw ospf:interface-vlan-ospf-conf
| | | | +--rw ospf:ospf1
| | | | | +--rw ospf:area? ospf-area-id
| | | | | +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | | +--rw ospf:authentication-key
| | | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | | +--rw ospf:auth-key-table
| | | | | | | +--rw ospf:encrypttype? key-type
| | | | | | | +--rw ospf:auth-key? ospf-auth-psswd-string
| | | | | +--rw ospf:authentication
| | | | | | +--rw ospf:key-chain? ospf-keychain-string
| | | | | +--rw ospf:hello-interval? common-def:time-interval-sec
| | | | | +--rw ospf:dead-interval? common-def:time-interval-sec
| | | | | +--rw ospf:retransmit-interval? common-def:time-interval-sec
| | | | | +--rw ospf:transmit-delay? common-def:time-interval-sec
| | | | | +--rw ospf:md5-authentication
| | | | | | +--rw ospf:key-activation-wait-time? common-def:time-interval-
sec
| | | | | | +--rw ospf:no-encrypt-key-table
| | | | | | | +--rw ospf:no-encrypt-key-id? uint32

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| | | | | +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string
| | | | | +--rw ospf:key-table
| | | | |   +--rw ospf:key-id?          uint32
| | | | |   +--rw ospf:key?            key-type
| | | | |     +--rw ospf:md5-authentication-key?  ospf-auth-psswd-string
| | | | | +--rw ospf:cost?              uint32
| | | | | +--rw ospf:network?           enumeration
| | | | | +--rw ospf:intf-ldp-sync?     enumeration
| | | | | +--rw ospf:database-filter
| | | | |   +--rw ospf:all-out?         empty
| | | | |     +--rw ospf:all-external?    database-filter-options
| | | | |       +--rw ospf:all-summary-external? database-filter-options
| | | | | +--rw ospf:mtu-ignore?        empty
| | | | | +--rw ospf:active?             empty
| | | | | +--rw ospf:passive?           empty
| | | | | +--rw ospf:priority?          uint32
| | | | | +--rw ospf:bfd
| | | | |   +--rw ospf:intf-bfd-enable?  empty
| | | +---rw pim:pim-intf-vlan-cont
| | |   +--rw pim:pim-int-cmd
| | |     +--rw pim:pim-sparse?        empty
| | |     +--rw pim:pim
| | |       +--rw pim:neighbor-filter?  ip-prefix-name-t
| | |       +--rw pim:dr-priority?      uint32
| | |       +--rw pim:ttl-threshold?    uint32
| | |       +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | +---rw ip-config:ip-forward
| |   +--rw ip-config:ip
| |     +--rw ip-config:forward?      empty
| | +---rw ip-config:shutdown?        empty
| | +---rw ipv6-config:ipv6
| |   +--rw ipv6-config:ipv6-config
| |     +--rw ipv6-config:address
| |       +--rw ipv6-config:use-link-local-only?  empty
| |       +--rw ipv6-config:link-local-config
| |         +--rw ipv6-config:link-local-address? inet:ipv6-address
| |         +--rw ipv6-config:link-local?        empty
| |         +--rw ipv6-config:ipv6-address* [address]
| |         +--rw ipv6-config:address            union
| |         +--rw ipv6-config:secondary?        empty
| |         +--rw ipv6-config:eui-config
| |           +--rw ipv6-config:eui64?          empty
| |           +--rw ipv6-config:eui-secondary?  empty
| |         +--rw ipv6-config:anycast?          empty
| |       +--rw ipv6-config:mtu?                ip-mtu
| | +---rw dhcpv6:interface-ve-dhcp-conf
| |   +--rw dhcpv6:dhcp
| |     +--rw dhcpv6:relay
| |       +--rw dhcpv6:servers* [relay-ip-addr]
| |         +--rw dhcpv6:relay-ip-addr      dhcpv6-ipv6-address
| |         +--rw dhcpv6:server-vrf-name?   common-def:vrf-name
| |         +--rw dhcpv6:interface
| |           +--rw dhcpv6:interface-type?  dhcpv6-iftype
| |           +--rw dhcpv6:interface-name?  dhcpv6-ifname
| |       +--rw dhcpv6:source-interface
| |       +--rw dhcpv6:source-intf-type?    dhcpv6-relay-src-interface-
type
| |         +--rw dhcpv6:source-intf-name?  dhcpv6-src-ifname
| |         +--rw dhcpv6:source-ip?         dhcpv6-ipv6-address
| | +---rw icmp:icmpv6
| |   +--rw icmp:rate-limiting?    uint32
| |   +--rw icmp:echo-reply?       empty
| |   +--rw icmp:redirect?         empty
| |   +--rw icmp:unreachable?      empty

```

					+--rw ipv6-access-list:access-group* [ipv6-access-list ip-direction]	
					+--rw ipv6-access-list:ipv6-access-list	ipv6-l3-acl-policy-name
					+--rw ipv6-access-list:ip-direction	enumeration
					+--rw ipv6-access-list:traffic-type?	enumeration
					+--rw ip-policy:policy	
					+--rw ip-policy:route-map	
					+--rw ip-policy:ipv6-route-map-name?	common-def:name-string63
					+--rw ipv6-nd-ra:ipv6-nd-ra	
					+--rw ipv6-nd-ra:ipv6-intf-cmds	
					+--rw ipv6-nd-ra:vrrp-suppress-interface-ra?	empty
					+--rw ipv6-nd-ra:nd	
					+--rw ipv6-nd-ra:managed-config-flag?	empty
					+--rw ipv6-nd-ra:other-config-flag?	empty
					+--rw ipv6-nd-ra:broadcast-mac-trap?	empty
					+--rw ipv6-nd-ra:ra-lifetime?	common-def:time-interval-
sec						
					+--rw ipv6-nd-ra:reachable-time?	common-def:time-interval-
msec						
					+--rw ipv6-nd-ra:mtu?	uint32
					+--rw ipv6-nd-ra:retrans-timer?	common-def:time-interval-
msec						
					+--rw ipv6-nd-ra:hoplmit?	uint32
					+--rw ipv6-nd-ra:ns-interval?	common-def:time-interval-
sec						
					+--rw ipv6-nd-ra:suppress-ra	
					+--rw ipv6-nd-ra:suppress-ra-flag?	empty
					+--rw ipv6-nd-ra:suppress-ra-mtu?	empty
					+--rw ipv6-nd-ra:suppress-ra-all?	empty
					+--rw ipv6-nd-ra:ra-interval	
					+--rw ipv6-nd-ra:max-interval?	common-def:time-interval-sec
					+--rw ipv6-nd-ra:min?	common-def:time-interval-sec
					+--rw ipv6-nd-ra:send-ra?	empty
					+--rw ipv6-nd-ra:router-preference	
					+--rw ipv6-nd-ra:router-pref-high?	empty
					+--rw ipv6-nd-ra:router-pref-low?	empty
					+--rw ipv6-nd-ra:router-pref-medium?	empty
					+--rw ipv6-nd-ra:ra-dns-server* [dns-server-prefix]	
					+--rw ipv6-nd-ra:dns-server-prefix	inet:ipv6-
address						
					+--rw ipv6-nd-ra:dns-server-lifetime-multiplier?	uint32
					+--rw ipv6-nd-ra:ra-domain-name* [domain-name-string]	
					+--rw ipv6-nd-ra:domain-name-string	string
					+--rw ipv6-nd-ra:domain-name-lifetime-multiplier?	uint32
					+--rw ipv6-nd-ra:address	
					+--rw ipv6-nd-ra:suppressing-address* [suppress-ipv6-address]	
					+--rw ipv6-nd-ra:suppress-ipv6-address	nd-suppress-ipv6-
address						
					+--rw ipv6-nd-ra:suppress-per-address?	empty
					+--rw ipv6-nd-ra:address-suppress-all?	empty
					+--rw ipv6-nd-ra:dad	
					+--rw ipv6-nd-ra:attempts?	uint32
					+--rw ipv6-nd-ra:time?	common-def:time-interval-sec
					+--rw ipv6-nd-ra:cache	
					+--rw ipv6-nd-ra:expire?	common-def:time-interval-sec
					+--rw ipv6-nd-ra:cache-limit?	uint32
					+--rw ipv6-nd-ra:prefix* [prefix-ipv6-address]	
					+--rw ipv6-nd-ra:prefix-ipv6-address	inet:ipv6-prefix
					+--rw ipv6-nd-ra:lifetime	
					+--rw (ch-valid-type)?	
					+--:(ca-no-advertise)	
					+--rw ipv6-nd-ra:no-advertise?	empty
					+--:(ca-valid-lifetime)	
					+--rw ipv6-nd-ra:valid-lifetime?	common-def:time-
interval-sec						

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| | | | +--rw pim:pim
| | | | | +--rw pim:neighbor-filter? ip-prefix-name-t
| | | | | +--rw pim:dr-priority? uint32
| | | | | +--rw pim:tll-threshold? uint32
| | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | | +--rw vrrpv3:vrrpv3* [vrid]
| | | | +--rw vrrpv3:vrid vrid-type
| | | | +--rw vrrpv3:use-v2-checksum? empty
| | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | +--rw vrrpv3:track
| | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | +--rw vrrpv3:interface-type track-ifttype
| | | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | | +--rw vrrpv3:track-priority? uint8
| | | | | +--rw vrrpv3:advertisement-interval? uint32
| | | | | +--rw vrrpv3:enable? empty
| | | | | +--rw vrrpv3:hold-time? uint32
| | | | | +--rw vrrpv3:preempt-mode? empty
| | | | | +--rw vrrpv3:priority? uint8
| | | | | +--rw vrrpv3:description? string
| | | +--rw vrrpv3:vrrpv3e* [vrid]
| | | | +--rw vrrpv3:vrid vrrpe-vrid-type
| | | | +--rw vrrpv3:virtual-mac? enumeration
| | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | +--rw vrrpv3:track
| | | | | +--rw vrrpv3:network* [network-address]
| | | | | | +--rw vrrpv3:network-address track-network-address
| | | | | | +--rw vrrpv3:network-priority? uint8
| | | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +--rw vrrpv3:interface-type track-ifttype
| | | | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | | | +--rw vrrpv3:track-priority? uint8
| | | | +--rw vrrpv3:enable? empty
| | | | +--rw vrrpv3:hold-time? uint32
| | | | +--rw vrrpv3:preempt-mode? empty
| | | | +--rw vrrpv3:priority? uint8
| | | | +--rw vrrpv3:description? string
| | | | +--rw vrrpv3:advertise-backup? empty
| | | | +--rw vrrpv3:nd-advertisement-timer? uint32
| | | | +--rw vrrpv3:advertisement-interval-scale? uint32
| | | | +--rw vrrpv3:backup-advertisement-interval? uint32
| | | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32
| | | | +--rw vrrpv3:short-path-forwarding
| | | | | +--rw vrrpv3:basic? empty
| | | | | +--rw vrrpv3:revert-priority? uint8
| | +--rw ip-access-list:ip-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | | +--rw ip-access-list:ip-access-list l3-acl-policy-name
| | | | | +--rw ip-access-list:ip-direction enumeration
| | | | | +--rw ip-access-list:traffic-type? enumeration
| | +--rw ip-access-list:ip-subnet-braodcast-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | | +--rw ip-access-list:ip-access-list l3-acl-policy-name
| | +--rw ip-policy:ip-pbr-interface
| | | +--rw ip-policy:ip
| | | | +--rw ip-policy:policy
| | | | | +--rw ip-policy:route-map
| | | | | | +--rw ip-policy:route-map-name? common-def:name-string63
| | +--rw isis:intf-isis!
| | | +--rw isis:interface-isis

```

```

| | | +--rw isis:auth-check
| | | | +--rw isis:auth-check-level1
| | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | +--rw isis:auth-check-level2
| | | | | +--rw isis:interface-auth-check-level2-disable? empty
| | | +--rw isis:interface-reverse-metric!
| | | | +--rw isis:rev-metric-common-attributes
| | | | | +--rw isis:rev-metric-val? uint32
| | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | +--rw isis:interface-auth-mode
| | | | +--rw isis:interface-md5
| | | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | | +--rw isis:interface-auth-mode-md5-level2? empty
| | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | +--rw isis:interface-auth-key-level enumeration
| | | | +--rw isis:interface-auth-key-str? string
| | | +--rw isis:interface-hello
| | | | +--rw isis:interface-hello-padding
| | | | | +--rw isis:interface-hello-padding-disable? empty
| | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | +--rw isis:interface-hello-interval-level enumeration
| | | | +--rw isis:interface-hello-interval-val? uint32
| | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-
level]
| | | | +--rw isis:interface-hello-multiplier-level enumeration
| | | | +--rw isis:interface-hello-multiplier-val? uint32
| | | +--rw isis:circuit-type? enumeration
| | | +--rw isis:interface-ipv6
| | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | +--rw isis:interface-metric* [interface-metric-level]
| | | | +--rw isis:interface-metric-level enumeration
| | | | +--rw isis:interface-metric-val? uint32
| | | +--rw isis:interface-point-to-point? empty
| | | +--rw isis:interface-passive? empty
| | | +--rw isis:interface-priority
| | | | +--rw isis:interface-priority-level1? uint32
| | | | +--rw isis:interface-priority-level2? uint32
| | | +--rw isis:interface-bfd
| | | | +--rw isis:interface-bfd-enable? empty
| | | +--rw isis:interface-ldp-sync? enumeration
| | | +--rw isis:segment-routing
| | | | +--rw isis:interface-segment-routing-disable? empty
| | | +--rw isis:segment-routing-prefix-sid
| | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw vrrp:vrrp* [vrid version]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:version uint8
| | | +--rw vrrp:use-v2-checksum? empty
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-iftyp
| | | | | +--rw vrrp:interface-name track-ifname
| | | | | +--rw vrrp:track-priority? uint8
| | | +--rw vrrp:advertisement-interval? uint32
| | | +--rw vrrp:enable? empty
| | | +--rw vrrp:hold-time? uint32
| | | +--rw vrrp:preempt-mode? empty
| | | +--rw vrrp:arp
| | | | +--rw vrrp:unicast-request

```

```

| | | | +--rw vrrp:receive? empty
| | | +--rw vrrp:priority? uint8
| | | +--rw vrrp:description? string
| | +--rw vrrp:vrrpe* [vrid]
| | | +--rw vrrp:vrid vrrpe-vrid-type
| | | +--rw vrrp:virtual-mac? enumeration
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:network* [network-address]
| | | | | +--rw vrrp:network-address union
| | | | | +--rw vrrp:network-priority? uint8
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | +--rw vrrp:interface-type track-ifttype
| | | | +--rw vrrp:interface-name track-ifname
| | | | +--rw vrrp:track-priority? uint8
| | | +--rw vrrp:advertisement-interval? uint32
| | | +--rw vrrp:enable? empty
| | | +--rw vrrp:hold-time? uint32
| | | +--rw vrrp:preempt-mode? empty
| | | +--rw vrrp:arp
| | | | +--rw vrrp:unicast-request
| | | | | +--rw vrrp:receive? empty
| | | | +--rw vrrp:priority? uint8
| | | | +--rw vrrp:description? string
| | | | +--rw vrrp:advertise-backup? empty
| | | | +--rw vrrp:vrrpe-garp-timer? uint32
| | | | +--rw vrrp:backup-advertisement-interval? uint32
| | | | +--rw vrrp:short-path-forwarding
| | | | | +--rw vrrp:basic? empty
| | | | | +--rw vrrp:revert-priority? uint8
| | | | +--rw vrrp:advertisement-interval-scale? uint32
| | +--rw rpf:rpf
| | | +--rw rpf:mode? enumeration
+--rw intf-loopback:loopback* [id]
| | +--rw intf-loopback:id intf-loopback-port-type
| | +--rw intf-loopback:vrf
| | | +--rw intf-loopback:forwarding? common-def:vrf-name
+--rw intf-loopback:description? string
+--rw intf-loopback:reload-delay
| | +--rw intf-loopback:reload-delay-enable? empty
| | +--rw intf-loopback:reload-delay-time? reload-delay-type
+--rw intf-loopback:snmp
| | +--rw intf-loopback:trap
| | | +--rw intf-loopback:link-status
| | | +--rw intf-loopback:snmp-link-disable? empty
+--rw intf-loopback:shutdown? empty
+--rw ip-config:ip
| | +--rw ip-config:ip-config
| | | +--rw ip-config:address* [address]
| | | | +--rw ip-config:address union
| | +--rw isis:intf-router-isis
| | | +--rw isis:int-router-isis
| | | | +--rw isis:interface-ip-router-isis? empty
| | +--rw ospf:interface-loopback-ospf-conf
| | | +--rw ospf:ospf1
| | | | +--rw ospf:area? ospf-area-id
| | | | +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | +--rw ospf:authentication-key
| | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | +--rw ospf:auth-key-table
| | | | | | +--rw ospf:encrypttype? key-type
| | | | | +--rw ospf:auth-key? ospf-auth-psswd-string

```

```

| | | | +--rw ospf:authentication
| | | | | +--rw ospf:key-chain?   ospf-keychain-string
| | | | +--rw ospf:hello-interval?   common-def:time-interval-sec
| | | | +--rw ospf:dead-interval?   common-def:time-interval-sec
| | | | +--rw ospf:retransmit-interval?   common-def:time-interval-sec
| | | | +--rw ospf:transmit-delay?   common-def:time-interval-sec
| | | | +--rw ospf:md5-authentication
| | | | | +--rw ospf:key-activation-wait-time?   common-def:time-interval-
sec
| | | | | +--rw ospf:no-encrypt-key-table
| | | | | | +--rw ospf:no-encrypt-key-id?   uint32
| | | | | | +--rw ospf:no-encrypt-key?   ospf-auth-psswd-string
| | | | | +--rw ospf:key-table
| | | | | | +--rw ospf:key-id?   uint32
| | | | | | +--rw ospf:key?   key-type
| | | | | | +--rw ospf:md5-authentication-key?   ospf-auth-psswd-string
| | | | +--rw ospf:cost?   uint32
| | | | +--rw ospf:network?   enumeration
| | | | +--rw ospf:intf-ldp-sync?   enumeration
| | | | +--rw ospf:database-filter
| | | | | +--rw ospf:all-out?   empty
| | | | | +--rw ospf:all-external?   database-filter-options
| | | | | +--rw ospf:all-summary-external?   database-filter-options
| | | | +--rw ospf:mtu-ignore?   empty
| | | | +--rw ospf:active?   empty
| | | | +--rw ospf:passive?   empty
| | | | +--rw ospf:priority?   uint32
| | | | +--rw ospf:bfd
| | | | | +--rw ospf:intf-bfd-enable?   empty
| +--rw pim:pim-intf-loopback-cont
| | +--rw pim:pim-int-cmd
| | | +--rw pim:pim-sparse?   empty
| | | +--rw pim:pim
| | | | +--rw pim:neighbor-filter?   ip-prefix-name-t
| | | | +--rw pim:dr-priority?   uint32
| | | | +--rw pim:ttl-threshold?   uint32
| | | +--rw pim:mcast-bdry-prefix-list?   ip-prefix-name-t
+--rw ipv6-config:ipv6
| | +--rw ipv6-config:ipv6-config
| | | +--rw ipv6-config:address
| | | | +--rw ipv6-config:use-link-local-only?   empty
| | | | +--rw ipv6-config:link-local-config
| | | | | +--rw ipv6-config:link-local-address?   inet:ipv6-address
| | | | | +--rw ipv6-config:link-local?   empty
| | | | +--rw ipv6-config:ipv6-address* [address]
| | | | | +--rw ipv6-config:address   union
| | | | | +--rw ipv6-config:eui64?   empty
| | | | | +--rw ipv6-config:anycast?   empty
| | +--rw isis:intf-ipv6-router-isis
| | | +--rw isis:int-ipv6-router-isis
| | | | +--rw isis:interface-ipv6-router-isis?   empty
+--rw ospfv3:interface-ospfv3-conf
| | +--rw ospfv3:interface-area?   ospf:ospf-area-id
| | +--rw ospfv3:active?   empty
| | +--rw ospfv3:passive?   empty
| | +--rw ospfv3:bfd
| | | +--rw ospfv3:bfd-enable?   empty
| | +--rw ospfv3:cost?   uint32
| | +--rw ospfv3:instance?   uint32
| | +--rw ospfv3:mtu-ignore?   empty
| | +--rw ospfv3:network?   enumeration
| | +--rw ospfv3:priority?   uint32
| | +--rw ospfv3:suppress-linklsa?   empty
| | +--rw ospfv3:authentication

```

```

| | | | +--rw ospfv3:key-chain? string
| | | | +--rw ospfv3:ipsec-auth-key-config
| | | | | +--rw ospfv3:spi? spi-value-type
| | | | | +--rw (ch-algorithm)?
| | | | | | +--:(ca-ah-algorithm)
| | | | | | | +--rw ospfv3:ah? algorithm-type-ah
| | | | | | | +--rw ospfv3:ah-key? ipsec-authentication-hexkey-
string
| | | | | | +--:(ca-esp-algorithm)
| | | | | | | +--rw ospfv3:esp? algorithm-type-esp
| | | | | | | +--rw ospfv3:esp-auth? algorithm-type-ah
| | | | | | | +--rw ospfv3:esp-auth-key? ipsec-authentication-hexkey-
string
| | | | +--rw ospfv3:ipsec
| | | | | +--rw ospfv3:ipsec-authentication-disable? empty
| | | | | +--rw ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec
| | | | +--rw ospfv3:link-interval-properties
| | | | | +--rw ospfv3:hello-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:dead-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:hello-jitter? uint32
| | | | | +--rw ospfv3:retransmit-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:transmit-delay? common-def:time-interval-sec
| | | | +--rw pim:pim-intf-loopback-cont
| | | | | +--rw pim:ipv6-pim-int-cmd
| | | | | +--rw pim:pim-sparse? empty
| | | | | +--rw pim:pim
| | | | | | +--rw pim:neighbor-filter? ip-prefix-name-t
| | | | | | +--rw pim:dr-priority? uint32
| | | | | | +--rw pim:ttl-threshold? uint32
| | | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
+--rw isis:intf-isis!
| | +--rw isis:interface-isis
| | | +--rw isis:auth-check
| | | | +--rw isis:auth-check-level1
| | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | +--rw isis:auth-check-level2
| | | | | +--rw isis:interface-auth-check-level2-disable? empty
+--rw isis:interface-reverse-metric!
| | | +--rw isis:rev-metric-common-attributes
| | | | +--rw isis:rev-metric-val? uint32
| | | | +--rw isis:rev-metric-whole-lan? empty
| | | | +--rw isis:rev-metric-te-def-metric? empty
+--rw isis:interface-auth-mode
| | | +--rw isis:interface-md5
| | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | +--rw isis:interface-auth-mode-md5-level2? empty
+--rw isis:interface-auth-key* [interface-auth-key-level]
| | | +--rw isis:interface-auth-key-level enumeration
| | | +--rw isis:interface-auth-key-str? string
+--rw isis:interface-hello
| | | +--rw isis:interface-hello-padding
| | | | +--rw isis:interface-hello-padding-disable? empty
+--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | +--rw isis:interface-hello-interval-level enumeration
| | | +--rw isis:interface-hello-interval-val? uint32
+--rw isis:interface-hello-multiplier* [interface-hello-multiplier-
level]
| | | +--rw isis:interface-hello-multiplier-level enumeration
| | | +--rw isis:interface-hello-multiplier-val? uint32
+--rw isis:circuit-type? enumeration
+--rw isis:interface-ipv6
| | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | +--rw isis:interface-ipv6-metric-level enumeration

```

range
range

```

|         |         +---rw bgp:both* [target-community]
|         |         +---rw bgp:target-community      rd-rt-type
|         |         +---rw bgp:core-isolation-disable? empty
+---rw bgp:prefix-independent-convergence!
+---rw ip-policy:route-map* [name action-rm instance]
  +---rw ip-policy:name          route-map-name-type-t
  +---rw ip-policy:action-rm      action-t
  +---rw ip-policy:instance       instance-id-t
  +---rw ip-policy:content
    +---rw ip-policy:match
      | +---rw ip-policy:uda?          common-def:name-string63
      | +---rw ip-policy:vrf?          common-def:vrf-name
      | +---rw ip-policy:rpki
      | | +---rw ip-policy:rpki-state-type? enumeration
      | +---rw ip-policy:additional-paths
      | | +---rw ip-policy:advertise-set
      | | | +---rw ip-policy:all?      empty
      | | | +---rw ip-policy:best?     uint32
      | | | +---rw ip-policy:best-range
      | | | | +---rw ip-policy:range-start? uint32
      | | | | +---rw ip-policy:range-end?   uint32
      | | | +---rw ip-policy:group-best? empty
      | +---rw ip-policy:interface
      | | +---rw ip-policy:ethernet-rmm*   interface:interface-type
      | | +---rw ip-policy:port-channel-rmm* interface:portchannel-type
      | | +---rw ip-policy:loopback*       loopback-intf:intf-loopback-port-
type
      | | +---rw ip-policy:ve*             interface:ve-type
      | +---rw ip-policy:ipv6
      | | +---rw ip-policy:address
      | | | +---rw ip-policy:ipv6-prefix-list-rmm? match-prefix-list-name-t
      | | | +---rw ip-policy:ipv6-acl-rmm?         ipv6-access-list:ipv6-l3-acl-
policy-name
      | | +---rw ip-policy:source-address?   inet:ipv6-prefix
      | | +---rw ip-policy:destination-address? inet:ipv6-prefix
      | | +---rw ip-policy:icmp-type* [compare-op value]
      | | | +---rw ip-policy:compare-op       comparison-type-t
      | | | +---rw ip-policy:value            union
      | | | +---rw ip-policy:max-value?       union
      | | | +---rw ip-policy:neq-values-flag? empty
      | | | +---rw ip-policy:neq-extra-values? string
      | | | +---rw ip-policy:empty-leaf?      empty
      | | +---rw ip-policy:icmp-code* [compare-op value]
      | | | +---rw ip-policy:compare-op       comparison-type-t
      | | | +---rw ip-policy:value            icmp-code-t
      | | | +---rw ip-policy:max-value?       icmp-code-t
      | | | +---rw ip-policy:neq-values-flag? empty
      | | | +---rw ip-policy:neq-extra-values? string
      | | | +---rw ip-policy:empty-leaf?      empty
      | | +---rw ip-policy:flow-label* [compare-op value]
      | | | +---rw ip-policy:compare-op       comparison-type-t
      | | | +---rw ip-policy:value            flow-label-t
      | | | +---rw ip-policy:max-value?       flow-label-t
      | | | +---rw ip-policy:neq-values-flag? empty
      | | | +---rw ip-policy:neq-extra-values? string
      | | | +---rw ip-policy:empty-leaf?      empty
      | | +---rw ip-policy:next-hop
      | | | +---rw ip-policy:ipv6-prefix-list-rmm-n? match-prefix-list-name-t
      | | +---rw ip-policy:route-source
      | | | +---rw ip-policy:ipv6-prefix-list-rmrs? string
      | +---rw ip-policy:ip
      | | +---rw ip-policy:address
      | | | +---rw ip-policy:prefix-list-rmm? match-prefix-list-name-t
      | | | +---rw ip-policy:acl-rmm?         ip-access-list:l3-acl-policy-name

```

```

| | +--rw ip-policy:source-address?      inet:ipv4-prefix
| | +--rw ip-policy:destination-address?  inet:ipv4-prefix
| | +--rw ip-policy:icmp-type* [compare-op value]
| | | +--rw ip-policy:compare-op          comparison-type-t
| | | +--rw ip-policy:value               union
| | | +--rw ip-policy:max-value?          union
| | | +--rw ip-policy:neq-values-flag?    empty
| | | +--rw ip-policy:neq-extra-values?   string
| | | +--rw ip-policy:empty-leaf?        empty
| | +--rw ip-policy:icmp-code* [compare-op value]
| | | +--rw ip-policy:compare-op          comparison-type-t
| | | +--rw ip-policy:value               icmp-code-t
| | | +--rw ip-policy:max-value?          icmp-code-t
| | | +--rw ip-policy:neq-values-flag?    empty
| | | +--rw ip-policy:neq-extra-values?   string
| | | +--rw ip-policy:empty-leaf?        empty
| | +--rw ip-policy:next-hop
| | | +--rw ip-policy:prefix-list-rmm-n?  match-prefix-list-name-t
| | +--rw ip-policy:route-source
| | | +--rw ip-policy:prefix-list-rmrs?   string
| +--rw ip-policy:extcommunity
| | +--rw ip-policy:extcommunity-name?   match-extcommunity-list-name-t
| +--rw ip-policy:metric
| | +--rw ip-policy:metric-rmm?          metric-t
| +--rw ip-policy:route-type
| | +--rw ip-policy:route-type-rmm?     match-route-type-t
| +--rw ip-policy:tag
| | +--rw ip-policy:tag-rmm*            tag-t
| +--rw ip-policy:as-path
| | +--rw ip-policy:as-path-access-list-name?  ip-match-as-path-name-t
| +--rw ip-policy:community
| | +--rw ip-policy:community-access-list-name? match-community-list-name-
t
| | +--rw ip-policy:large-community
| | | +--rw ip-policy:large-community-access-list-name? match-large-
community-list-name-t
| +--rw ip-policy:protocol
| | +--rw ip-policy:protocol-match-list* [compare-op value]
| | | +--rw ip-policy:compare-op          comparison-type-t
| | | +--rw ip-policy:value               union
| | | +--rw ip-policy:max-value?          union
| | | +--rw ip-policy:neq-values-flag?    empty
| | | +--rw ip-policy:neq-extra-values?   string
| | | +--rw ip-policy:empty-leaf?        empty
| | +--rw ip-policy:protocol-static-container
| | | +--rw ip-policy:static?             empty
| | +--rw ip-policy:bgp-protocol-container
| | | +--rw ip-policy:protocol-bgp?       empty
| | | +--rw ip-policy:bgp-route-type?     enumeration
| | +--rw ip-policy:isis-protocol-container
| | | +--rw ip-policy:protocol-isis?      empty
| | | +--rw ip-policy:match-isis-level?   enumeration
| | +--rw ip-policy:ospf-protocol-container
| | | +--rw ip-policy:protocol-ospf?      empty
| | | +--rw ip-policy:ospf-route-type?    enumeration
| +--rw ip-policy:port* [compare-op value]
| | +--rw ip-policy:compare-op            comparison-type-t
| | +--rw ip-policy:value                 union
| | +--rw ip-policy:max-value?            union
| | +--rw ip-policy:neq-values-flag?      empty
| | +--rw ip-policy:neq-extra-values?     string
| | +--rw ip-policy:empty-leaf?          empty
| +--rw ip-policy:source-port* [compare-op value]
| | +--rw ip-policy:compare-op            comparison-type-t

```

```

| | +--rw ip-policy:value                union
| | +--rw ip-policy:max-value?          union
| | +--rw ip-policy:neq-values-flag?    empty
| | +--rw ip-policy:neq-extra-values?   string
| | +--rw ip-policy:empty-leaf?         empty
+--rw ip-policy:destination-port* [compare-op value]
| | +--rw ip-policy:compare-op          comparison-type-t
| | +--rw ip-policy:value                union
| | +--rw ip-policy:max-value?          union
| | +--rw ip-policy:neq-values-flag?    empty
| | +--rw ip-policy:neq-extra-values?   string
| | +--rw ip-policy:empty-leaf?         empty
+--rw ip-policy:packet-length* [compare-op value]
| | +--rw ip-policy:compare-op          comparison-type-t
| | +--rw ip-policy:value                packet-length-t
| | +--rw ip-policy:max-value?          packet-length-t
| | +--rw ip-policy:neq-values-flag?    empty
| | +--rw ip-policy:neq-extra-values?   string
| | +--rw ip-policy:empty-leaf?         empty
+--rw ip-policy:dscp* [compare-op value]
| | +--rw ip-policy:compare-op          comparison-type-t
| | +--rw ip-policy:value                union
| | +--rw ip-policy:max-value?          union
| | +--rw ip-policy:neq-values-flag?    empty
| | +--rw ip-policy:neq-extra-values?   string
| | +--rw ip-policy:empty-leaf?         empty
+--rw ip-policy:tcp-flags* [flags-op flags-string]
| | +--rw ip-policy:flags-op            bits-match-op-type-t
| | +--rw ip-policy:flags-string        string
| | +--rw ip-policy:empty-leaf?         empty
+--rw ip-policy:fragment-type* [fragment-type-op fragment-type-string]
| | +--rw ip-policy:fragment-type-op    bits-match-op-type-t
| | +--rw ip-policy:fragment-type-string string
| | +--rw ip-policy:empty-leaf?         empty
+--rw ip-policy:next-hop-recursion?     empty
+--rw ip-policy:set
| +--rw ip-policy:police
| | +--rw ip-policy:cir?                uint64
+--rw ip-policy:sflow
| | +--rw ip-policy:default-profile?     empty
+--rw ip-policy:traffic-action
| | +--rw ip-policy:traffic-action-continue? empty
+--rw ip-policy:level
| | +--rw ip-policy:set-isis-level?      enumeration
+--rw ip-policy:ip
| | +--rw ip-policy:mirror* [destination]
| | | +--rw ip-policy:destination        inet:ipv4-address
| | +--rw ip-policy:dscp
| | | +--rw ip-policy:dscp-rms?          dscp-precedence
| | +--rw ip-policy:interface
| | | +--rw ip-policy:null0?             empty
| | +--rw ip-policy:next-hop
| | | +--rw ip-policy:peer-address?       empty
| | | +--rw ip-policy:next-hop-list* [next-hop-addr]
| | | | +--rw ip-policy:next-hop-addr    inet:ipv4-address
| | +--rw ip-policy:global
| | | +--rw ip-policy:next-global-hop* [next-hop]
| | | | +--rw ip-policy:next-hop         inet:ipv4-address
| | +--rw ip-policy:next-vrf
| | | +--rw ip-policy:next-vrf-list* [vrf next-hop]
| | | | +--rw ip-policy:vrf              string
| | | | +--rw ip-policy:next-hop         inet:ipv4-address
+--rw ip-policy:ipv6
| | +--rw ip-policy:mirror* [destination]

```

```

| | | +--rw ip-policy:destination      inet:ipv6-address
| | +--rw ip-policy:dscp
| | | +--rw ip-policy:dscp-rms-ipv6?   dscp-precedence
| | +--rw ip-policy:interface
| | | +--rw ip-policy:ipv6-null0?      empty
| | +--rw ip-policy:global
| | | +--rw ip-policy:next-global-hop* [next-hop]
| | |   +--rw ip-policy:next-hop       inet:ipv6-address
| | +--rw ip-policy:next-ip
| | | +--rw ip-policy:ipv6-peer-address? empty
| | | +--rw ip-policy:next-hop* [next-hop]
| | |   +--rw ip-policy:next-hop       inet:ipv6-address
| | +--rw ip-policy:next-vrf
| |   +--rw ip-policy:next-vrf-list* [vrf next-hop]
| |   +--rw ip-policy:vrf              string
| |   +--rw ip-policy:next-hop         inet:ipv6-address
+--rw ip-policy:extcommunity
| | +--rw ip-policy:rt
| | | +--rw ip-policy:ASN-NN-rt?       ext-community-rt-expr-t
| | +--rw ip-policy:soo
| | | +--rw ip-policy:ASN-NN-soo?      ext-community-soo-expr-t
+--rw ip-policy:community
| | +--rw ip-policy:set-community-expr? set-community-expr-t
+--rw ip-policy:large-community
| | +--rw ip-policy:set-large-community-expr? set-large-community-expr-t
+--rw ip-policy:metric
| | +--rw ip-policy:delta-rms?         enumeration
| | +--rw ip-policy:metric-rms?       metric-t
+--rw ip-policy:distance
| | +--rw ip-policy:dist-rms?         distance-t
+--rw ip-policy:tag
| | +--rw ip-policy:tag-rms?          tag-t
+--rw ip-policy:weight
| | +--rw ip-policy:weight-value?      uint32
+--rw ip-policy:interface* [rmap-set-interface-type rmap-set-interface-
name]
| | +--rw ip-policy:rmap-set-interface-type  rmap-set-intf-type
| | +--rw ip-policy:rmap-set-interface-name  rmap-set-intf-name
+--rw ip-policy:uda-interface-policy
| | +--rw ip-policy:interface
| | | +--rw ip-policy:uda-null0?          empty
+--rw ip-policy:as-path
| | +--rw ip-policy:aspath-tag?          empty
| | +--rw ip-policy:prepend?             string
+--rw ip-policy:automatic-tag
| | +--rw ip-policy:tag-empty?           empty
+--rw ip-policy:comm-list
| | +--rw ip-policy:comm-list-name?       ip-community-list-name-t
| | +--rw ip-policy:match-comm-delete?    empty
+--rw ip-policy:large-community-list
| | +--rw ip-policy:large-comm-list-name? ip-large-community-list-name-
t
| | +--rw ip-policy:match-large-comm-delete? empty
+--rw ip-policy:dampening
| | +--rw ip-policy:half-life?            uint32
| | +--rw ip-policy:reuse?                uint32
| | +--rw ip-policy:suppress?             uint32
| | +--rw ip-policy:max-suppress-time?    uint32
+--rw ip-policy:local-preference
| | +--rw ip-policy:local-preference-value? uint32
+--rw ip-policy:origin
| | +--rw ip-policy:origin-igp?           empty
| | +--rw ip-policy:origin-incomplete?    empty
+--rw ip-policy:metric-type

```

```
|      +--rw ip-policy:internal?  empty
|      +--rw ip-policy:type-1?    empty
|      +--rw ip-policy:type-2?    empty
+--rw ip-policy:continue-holder
  +--rw ip-policy:continue?        empty
  +--rw ip-policy:continue-val?    uint32
```

brocade-control-plane

Manages the control-plane level commands.

Top-level container

```
module: brocade-control-plane
  +--rw control-plane
    +--rw ip
      | +--rw subnet-rate-limit
      | | +--rw cir?    rate-limit-cir
      | | +--rw cbs?    rate-limit-cbs
      | +--rw linklocal
      | +--rw trap?    enumeration
  +--rw service-policy* [direction policy-map-name]
    +--rw direction      enumeration
    +--rw policy-map-name  qos-mqc:map-name-type
```

brocade-crypto

Configures Crypto services for HTTPS certificate management.

Top-level container

```
module: brocade-crypto
  +--rw crypto-sa
  |   +--rw crypto
  |   |   +--rw key* [label]
  |   |   |   +--rw label      string
  |   |   |   +--rw type?     key-type
  |   |   |   +--rw modulus?  uint32
  |   |   +--rw cert
  |   |   |   +--rw expiry-level* [level period]
  |   |   |   |   +--rw level      severity-level
  |   |   |   |   +--rw period    uint32
  |   |   +--rw ca* [trustpoint]
  |   |   |   +--rw trustpoint    string
  |   |   |   +--rw keypair?     string
  +--rw management-security
  |   +--rw ssl-profile
  |   |   +--rw server
  |   |   |   +--rw tls
  |   |   |   |   +--rw min-version?  versionType
  |   |   +--rw client
  |   |   |   +--rw tls
  |   |   |   |   +--rw min-version?  versionType
```

brocade-crypto-ext

Configures Crypto services for HTTPS certificate management.

Top-level container

```

module: brocade-crypto-ext
  +--rw crypto
    +--rw ca
      | +---x authenticate
      | | +---w input
      | | | +---w authenticate_params
      | | | | +---w trustpoint      string
      | | | | +---w cert-type      cert-type-enum
      | | | | +---w protocol      enumeration
      | | | | +---w source-ip?    inet:ip-address
      | | | | +---w user          string
      | | | | +---w password?    string
      | | | | +---w host          inet:host
      | | | | +---w directory    string
      | | | | +---w use-vrf?     common-def:use-vrf
      | | | | +---w file          string
      | | +---x enroll
      | | | +---w input
      | | | | +---w authenticate_params
      | | | | | +---w trustpoint      string
      | | | | | +---w cert-type      cert-type-enum
      | | | | | +---w country        string
      | | | | | +---w state          string
      | | | | | +---w locality      string
      | | | | | +---w organization  string
      | | | | | +---w orgunit       string
      | | | | | +---w common        inet:host
      | | | | | +---w protocol      enumeration
      | | | | | +---w source-ip?    inet:ip-address
      | | | | | +---w user          string
      | | | | | +---w password?    string
      | | | | | +---w host          inet:host
      | | | | | +---w directory    string
      | | | | | +---w use-vrf?     common-def:use-vrf
      | | +---x import
      | | | +---w input
      | | | | +---w authenticate_params
      | | | | | +---w trustpoint      string
      | | | | | +---w certificate    empty
      | | | | | +---w cert-type      cert-type-enum
      | | | | | +---w protocol      enumeration
      | | | | | +---w source-ip?    inet:ip-address
      | | | | | +---w user          string
      | | | | | +---w password?    string
      | | | | | +---w host          inet:host
      | | | | | +---w directory    string
      | | | | | +---w use-vrf?     common-def:use-vrf
      | | | | | +---w file          string
      | | +---x import-pkcs
      | | | +---w input
      | | | | +---w authenticate_params
      | | | | | +---w type          enumeration
      | | | | | +---w cert-type      cert-type-enum-pkcs
      | | | | | +---w protocol      enumeration
      | | | | | +---w source-ip?    inet:ip-address
      | | | | | +---w user          string

```

```

|         +---w password?      string
|         +---w host           inet:host
|         +---w directory      string
|         +---w use-vrf?       common-def:use-vrf
|         +---w file           string
|         +---w pkcs-passphrase? string
+--rw import
+---x ldapca
|   +---w input
|     +---w protocol           enumeration
|     +---w source-ip?         inet:ip-address
|     +---w user               string
|     +---w password?          string
|     +---w host               inet:host
|     +---w directory          string
|     +---w use-vrf?           common-def:use-vrf
|     +---w file               string
+---x syslogca
|   +---w input
|     +---w protocol           enumeration
|     +---w source-ip?         inet:ip-address
|     +---w user               string
|     +---w password?          string
|     +---w host               inet:host
|     +---w directory          string
|     +---w use-vrf?           common-def:use-vrf
|     +---w file               string
+---x radiusca
|   +---w input
|     +---w protocol           enumeration
|     +---w source-ip?         inet:ip-address
|     +---w user               string
|     +---w password?          string
|     +---w host               inet:host
|     +---w directory          string
|     +---w use-vrf?           common-def:use-vrf
|     +---w file               string
+---x sshx509v3ca
|   +---w input
|     +---w protocol           enumeration
|     +---w source-ip?         inet:ip-address
|     +---w user               string
|     +---w password?          string
|     +---w host               inet:host
|     +---w directory          string
|     +---w use-vrf?           common-def:use-vrf
|     +---w file               string
+---x oauth2pkicert
|   +---w input
|     +---w protocol           enumeration
|     +---w source-ip?         inet:ip-address
|     +---w user               string
|     +---w password?          string
|     +---w host               inet:host
|     +---w directory          string
|     +---w use-vrf?           common-def:use-vrf
|     +---w file               string
+---x httpsclientca
|   +---w input
|     +---w protocol           enumeration
|     +---w source-ip?         inet:ip-address
|     +---w user               string
|     +---w password?          string
|     +---w host               inet:host

```

```
|      +---w directory      string
|      +---w use-vrf?       common-def:use-vrf
|      +---w file           string
+---x gnmiclientca
    +---w input
        +---w protocol      enumeration
        +---w source-ip?    inet:ip-address
        +---w user          string
        +---w password?     string
        +---w host          inet:host
        +---w directory     string
        +---w use-vrf?      common-def:use-vrf
        +---w file          string
```

brocade-dai

Provides the configuration and RPC implementation details for the IP access list.

Top-level container

```
module: brocade-dai
  +--rw dai-config
  +--rw arp
    +--rw access-list* [acl-name]
      +--rw acl-name    dai-acl-policy-name
      +--rw permit
        +--rw permit-list* [ip-type host-ip mac-type host-mac]
          +--rw ip-type    enumeration
          +--rw host-ip    inet:ipv4-address
          +--rw mac-type   enumeration
          +--rw host-mac   string
```

brocade-diagnostics

Provides a data model for managing diagnostic tests.

This data model enables or disables power-on self-test (POST) and actions to initiate the tests listed in [Table 5](#).

Table 5: Diagnostic actions

Action	Purpose
burninerrclear	Clears the errors that are stored in the nonvolatile storage on the slot during the burn-in process.
clearerror	Clears the diagnostics failure status.
portledtest	Runs various action modes on the port LEDs and validates the functionality.
portloopbacktest	Sends frames between various ASICs on the switch and validates the ASIC functionality.
post	Performs power-on self-test.
prbtest	Performs pseudo-random binary-sequence tests.
setcycle	Configures all the parameters required for the system verification test.
setdbg	Changes the debug level.
systemverification	Runs a combination of various hardware diagnostic tests.
turboramtest	Performs a turbo static RAM (SRAM) test of the ASIC chips.

Top-level container

```

module: brocade-diagnostics
  +--rw diag
    +---x diag-install
      +--ro output
        +--ro diag-install-msg?  string

```

brocade-dotlag

Manages the connectivity fault management (CFM) Protocol.

Top-level container

```

module: brocade-dotlag
  +--rw cfm-config
    +--rw protocol
      +--rw cfm!
        +--rw y1731!
          | +--rw test-profile* [test-profile]
          | | +--rw test-profile      string
          | | +--rw profile-type?    y1731-profile-type
          | | +--rw test-profile-params
          | |   +--rw tx-interval?    y1731-profile-tx-interval
          | |   +--rw measurement-interval? uint32
          | |   +--rw cos?            uint8
          | |   +--rw tx-frame-count?  uint32
          | |   +--rw timeout?        uint8
          | |   +--rw start
          | |     | +--rw start-type?    schedule-type
          | |     | +--rw start-time?    time-in-hhmmss
          | |     | +--rw start-periodic? y1731-start-periodic
          | |   +--rw stop
          | |     | +--rw stop-type?    schedule-type
          | |     | +--rw stop-time?    time-in-hhmmss
          | |   +--rw slm-threshold
          | |     | +--rw forward
          | |     | | +--rw thr-fwd-avg-value? uint32
          | |     | | +--rw thr-fwd-max-value? uint32
          | |     | +--rw backward
          | |     | | +--rw thr-bwd-avg-value? uint32
          | |     | | +--rw thr-bwd-max-value? uint32
          | |   +--rw dmm-threshold
          | |     | +--rw thr-avg-value?  uint32
          | |     | +--rw thr-max-value?  uint32
          | +--rw action-profile-name* [action-profile-name]
          |   +--rw action-profile-name  string
          |   +--rw event
          |     +--rw ccm-up
          |       | +--rw ccm-up-actions?  action-profile-bitmap
          |     +--rw ccm-down
          |       | +--rw ccm-down-actions?  action-profile-bitmap
          |     +--rw avg-threshold
          |       | +--rw avg-threshold-actions?  action-profile-bitmap
          |     +--rw max-threshold
          |       | +--rw max-threshold-actions?  action-profile-bitmap
          +--rw domain-name* [domain-name]
            +--rw domain-name  string
            +--rw domain-id    uint32
            +--rw domain-level uint32
            +--rw ma-name* [ma-name]
              +--rw ma-name      string
              +--rw ma-id        uint32
              +--rw (vid-type)?
                | +--:(vlan)
                | | +--rw ma-vlan-vid?    uint32
                | +--:(bridgeDomain)
                | | +--rw ma-bd-vid?      uint32
              +--rw ma-priority?  uint32
              +--rw cfm-ma-sub-commands

```

```

+--rw ccm-interval?      ccm-interval-type
+--rw mip-policy?        mip-policy-type
+--rw maid-icc-format
| +--rw icc-name?        string
| +--rw umc-name?        string
+--rw maid-format?        maid-format-type
+--rw mep* [mep-id]
  +--rw mep-id            uint32
  +--rw mep-down-up       mep-down-up-type
  +--rw vlan?             uint32
  +--rw inner-vlan?        uint32
  +--rw mep-intf-type?     dotlag-interface-type
  +--rw mep-intf-name?     dotlag-interface-name
  +--rw cfm-mep-sub-commands
    +--rw tlv-type?        ccm-tlv-type
  +--rw client-interface
    | +--rw client-intf-type? dotlag-interface-type
    | +--rw client-intf-name? dotlag-interface-name
    | +--rw csf-type?        eth-csf-type
    | +--rw tx-period?        csf-tx-period
  +--rw remote-mep* [remote-mep]
    +--rw remote-mep        uint32
    +--rw rmep-test-profile* [rmep-test-profile mode]
      | +--rw rmep-test-profile string
      | +--rw mode            y1731-profile-mode
    +--rw action-profile-association? string

```

brocade-dot1x

Provides a data model for managing the 802.1X authorization feature.

IEEE 802.1X is an IEEE standard for port-based Network Access Control (PNAC). It is a networking protocol that provides an authentication mechanism to devices attempting to attach to a LAN or WLAN. IEEE 802.1X defines the encapsulation of the Extensible Authentication Protocol (EAP) over IEEE 802, which is known as EAP over LAN or EAPoL.

802.1X involves three parties:

- Supplicant—A device that connects to a network
- Authenticator—A network device such as an Ethernet switch
- Authentication server—A host running software that supports RADIUS and EAP

This module defines the parameters used for the PNAC.

Top-level container

```
module: brocade-dot1x
  +--rw dot1x
    +--rw enable?    empty
    +--rw test
      +--rw timeout?  dot1x-readiness-test-timeout-interval
```

External augmentations

```
module: brocade-interface
  +--rw dot1x:dot1x
    | | | +--rw dot1x:authentication?    empty
    | | | +--rw dot1x:port-control?      enumeration
    | | | +--rw dot1x:protocol-version?  uint32
    | | | +--rw dot1x:quiet-period?      uint32
    | | | +--rw dot1x:reauthMax?         uint32
    | | | +--rw dot1x:max-req?           uint32
    | | | +--rw dot1x:reauthentication?   empty
    | | | +--rw dot1x:filter-strict-security? empty
    | | | +--rw dot1x:timeout
    | | |   +--rw dot1x:re-authperiod?   dot1x-reauth-timeout-interval
    | | |   +--rw dot1x:server-timeout?   dot1x-server-timeout-interval
    | | |   +--rw dot1x:supp-timeout?     dot1x-supp-timeout-interval
    | | |   +--rw dot1x:tx-period?        dot1x-tx-timeout-interval
```

brocade-entity

Provides a data model for obtaining the enclosure-related information on embedded platforms.

RPCs

```
module: brocade-entity
rpcs:
  +---x get-contained-in-ID
  +--ro output
    +--ro contained-in-ID?   common-def:name-string64
```

brocade-event-handler

Provides event handler-related information.

Top-level container

```

module: brocade-event-handler
  +--rw event-handler
    +--rw event-handler-list* [name]
      | +--rw name          common-def:name-string32
      | +--rw description?  string
      | +--rw trigger* [trigger-id]
      | | +--rw trigger-id  uint32
      | | +--rw (trigger-choice)?
      | |   +--:(raslog)
      | |     +--rw raslog
      | |       +--rw raslog?  common-def:name-string32
      | |       +--rw pattern?  string
      | +--rw action
      |   +--rw (action-choice)?
      |   +--:(python-script)
      |     +--rw python-script?  common-def:name-string32
    +---x abort
    | +---w input
    |   +---w action  common-def:name-string32
    +--rw activate
      +--rw name* [name]
        +--rw name          common-def:name-string32
        +--rw delay?        uint32
        +--rw iterations?   uint32
        +--rw interval?     uint32
        +--rw trigger-mode?  enumeration
        +--rw trigger-function
          | +--rw trigger-function?  enumeration
          | +--rw time-window        uint32
        +--rw action-timeout?  uint32
  
```

brocade-erp

Displays ERP information.

Top-level container

```

module: brocade-erp
  +---rw erp* [erp-id]
    +---rw erp-id                               uint16
    +---rw left-interface
      | +---rw left-interface-vlan?             uint32
      | +---rw left-intf-type?                  erp-interface-type
      | +---rw left-intf-name?                  erp-interface-name
    +---rw right-interface
      | +---rw right-interface-vlan?            uint32
      | +---rw right-intf-type?                 erp-interface-type
      | +---rw right-intf-name?                 erp-interface-name
    +---rw dotlag-compliance
      | +---rw dotlag-left-interface
      | | +---rw dotlag-left-domain-name?      string
      | | +---rw dotlag-left-ma-name?          string
      | | +---rw dotlag-left-mep?              uint32
      | | +---rw dotlag-left-rmep-id?          uint32
      | +---rw dotlag-right-interface
      | | +---rw dotlag-right-domain-name?     string
      | | +---rw dotlag-right-ma-name?         string
      | | +---rw dotlag-right-mep?             uint32
      | | +---rw dotlag-right-rmep-id?         uint32
    +---rw rpl-owner?                           empty
    +---rw version?                             uint32
    +---rw raps-mel?                             uint8
    +---rw raps-default-mac?                     empty
    +---rw sub-ring!
      | +---rw parent-ring-id?                 uint32
    +---rw raps-propagate-tc?                   empty
    +---rw non-revertive-mode?                  empty
    +---rw fast-wtr-time?                       empty
    +---rw rpl
      | +---rw rpl-vlan?                       uint32
      | +---rw rpl-intf-type?                  erp-interface-type
      | +---rw rpl-intf-name?                  erp-interface-name
    +---rw force-switch
      | +---rw fs-vlan?                       uint32
      | +---rw fs-intf-type?                  erp-interface-type
      | +---rw fs-intf-name?                  erp-interface-name
    +---rw guard-time?                         uint32
    +---rw wtr-time?                          uint32
    +---rw wtb-time?                          uint32
    +---rw holdoff-time?                      uint32
    +---rw message-interval?                  uint32
    +---rw enable?                            empty
    +---rw manual-switch
      | +---rw ms-vlan?                       uint32
      | +---rw ms-intf-type?                  erp-interface-type
      | +---rw ms-intf-name?                  erp-interface-name
    +---rw name?                              string
    +---rw fast-convergence?                  empty

```

brocade-firmware

Provides a data model for managing the download of firmware and for reporting firmware download status.

This module supports the custom actions listed in the table below.

Table 6: Custom actions for firmware version management

Action	Purpose
<ftp>	Download firmware with FTP.
<scp>	Download firmware with SCP.
<usb>	Download firmware from a USB device.
<interactive>	Download firmware interactively.
<commit>	Commits a firmware upgrade after evaluation.
<restore>	Restores a firmware version.
<sync>	Synchronizes the firmware with its peer.
<fastboot>	Reboots the control processor (CP), bypassing the power-on self-test (POST).

Top-level container

```

module: brocade-firmware
  +--rw firmware
  |   +--rw download
  |   |   +---x ftp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory    string
  |   |   |   |   +---w file?        string
  |   |   |   |   +---w (options)?
  |   |   |   |   |   +---:(manual)
  |   |   |   |   |   |   +---w manual?      empty
  |   |   |   |   |   |   +---w noreboot?    empty
  |   |   |   |   |   |   +---w nocommit?    empty
  |   |   |   |   |   |   +---:(noactivate)
  |   |   |   |   |   |   |   +---w noactivate?  empty
  |   |   |   |   |   |   |   +---:(coldboot)
  |   |   |   |   |   |   |   |   +---w coldboot?  empty
  |   |   |   |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   |   +---ro output
  |   |   |   |   +---ro fwdl-tid?      int32
  |   |   |   |   +---ro fwdl-status?   int32
  |   |   |   |   +---ro fwdl-msg?      string
  |   |   +---x scp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory    string
  |   |   |   |   +---w file?        string
  |   |   |   |   +---w (options)?

```

```

| | | | | +---:(manual)
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w nocommit?    empty
| | | | | +---:(noactivate)
| | | | | | +---w noactivate?  empty
| | | | | +---:(coldboot)
| | | | | | +---w coldboot?    empty
| | | | | +---w use-vrf?      common-def:use-vrf
| | | | +---ro output
| | | | | +---ro fwdl-tid?     int32
| | | | | +---ro fwdl-status?  int32
| | | | | +---ro fwdl-msg?     string
| | | +---x http
| | | | +---w input
| | | | | +---w host          string
| | | | | +---w directory     string
| | | | | +---w file?         string
| | | | | +---w (options)?
| | | | | +---:(manual)
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w nocommit?    empty
| | | | | +---:(noactivate)
| | | | | | +---w noactivate?  empty
| | | | | +---:(coldboot)
| | | | | | +---w coldboot?    empty
| | | | +---ro output
| | | | | +---ro fwdl-tid?     int32
| | | | | +---ro fwdl-status?  int32
| | | | | +---ro fwdl-msg?     string
| | | +---x tftp
| | | | +---w input
| | | | | +---w host          string
| | | | | +---w directory     string
| | | | | +---w file?         string
| | | | | +---w (options)?
| | | | | +---:(manual)
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w nocommit?    empty
| | | | | +---:(noactivate)
| | | | | | +---w noactivate?  empty
| | | | | +---:(coldboot)
| | | | | | +---w coldboot?    empty
| | | | | +---w use-vrf?      common-def:use-vrf
| | | | +---ro output
| | | | | +---ro fwdl-tid?     int32
| | | | | +---ro fwdl-status?  int32
| | | | | +---ro fwdl-msg?     string
| | | +---x sftp
| | | | +---w input
| | | | | +---w user          string
| | | | | +---w password?     string
| | | | | +---w host          string
| | | | | +---w directory     string
| | | | | +---w file?         string
| | | | | +---w (options)?
| | | | | +---:(manual)
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w nocommit?    empty
| | | | | +---:(noactivate)
| | | | | | +---w noactivate?  empty

```

```

| | | | | +---:(coldboot)
| | | | | | +---w coldboot?          empty
| | | | | +---w port?                int32
| | | | | +---w host-key-check?      empty
| | | | | +---w use-vrf?              common-def:use-vrf
| | | | +--ro output
| | | | | +---ro fwdl-tid?            int32
| | | | | +---ro fwdl-status?        int32
| | | | | +---ro fwdl-msg?           string
| | | +---x usb
| | | | +---w input
| | | | | +---w directory            string
| | | | | +---w (options)?
| | | | | +---:(manual)
| | | | | | +---w manual?            empty
| | | | | | +---w noreboot?          empty
| | | | | | +---w nocommit?          empty
| | | | | +---:(noactivate)
| | | | | | +---w noactivate?        empty
| | | | | +---:(coldboot)
| | | | | | +---w coldboot?          empty
| | | | +--ro output
| | | | | +---ro fwdl-tid?            int32
| | | | | +---ro fwdl-status?        int32
| | | | | +---ro fwdl-msg?           string
| | | +---x interactive
| | | | +--ro output
| | | | | +---ro result?             string
| | | +---rw default-config
| | | | +---x ftp
| | | | | +---w input
| | | | | | +---w user                string
| | | | | | +---w password?          string
| | | | | | +---w host                string
| | | | | | +---w directory           string
| | | | | | +---w file?              string
| | | | | | +---w manual?            empty
| | | | | | +---w noreboot?          empty
| | | | | | +---w use-vrf?            common-def:use-vrf
| | | | | +--ro output
| | | | | | +---ro fwdl-tid?          int32
| | | | | | +---ro fwdl-status?      int32
| | | | | | +---ro fwdl-msg?         string
| | | | +---x scp
| | | | | +---w input
| | | | | | +---w user                string
| | | | | | +---w password?          string
| | | | | | +---w host                string
| | | | | | +---w directory           string
| | | | | | +---w file?              string
| | | | | | +---w manual?            empty
| | | | | | +---w noreboot?          empty
| | | | | | +---w use-vrf?            common-def:use-vrf
| | | | | +--ro output
| | | | | | +---ro fwdl-tid?          int32
| | | | | | +---ro fwdl-status?      int32
| | | | | | +---ro fwdl-msg?         string
| | | | +---x sftp
| | | | | +---w input
| | | | | | +---w user                string
| | | | | | +---w password?          string
| | | | | | +---w host                string
| | | | | | +---w directory           string
| | | | | | +---w file?              string

```

```

| | | | | +---w manual?      empty
| | | | | +---w noreboot?    empty
| | | | | +---w use-vrf?     common-def:use-vrf
| | | | | +---ro output
| | | | |   +---ro fwdl-tid?   int32
| | | | |   +---ro fwdl-status? int32
| | | | |   +---ro fwdl-msg?   string
| | | | +---x http
| | | | | +---w input
| | | | | | +---w host        string
| | | | | | +---w directory   string
| | | | | | +---w file?       string
| | | | | | +---w manual?     empty
| | | | | | +---w noreboot?   empty
| | | | | +---ro output
| | | | |   +---ro fwdl-tid?   int32
| | | | |   +---ro fwdl-status? int32
| | | | |   +---ro fwdl-msg?   string
| | | | +---x tftp
| | | | | +---w input
| | | | | | +---w host        string
| | | | | | +---w directory   string
| | | | | | +---w file?       string
| | | | | | +---w manual?     empty
| | | | | | +---w noreboot?   empty
| | | | | | +---w use-vrf?     common-def:use-vrf
| | | | | +---ro output
| | | | |   +---ro fwdl-tid?   int32
| | | | |   +---ro fwdl-status? int32
| | | | |   +---ro fwdl-msg?   string
| | | | +---x usb
| | | | | +---w input
| | | | | | +---w directory   string
| | | | | | +---w manual?     empty
| | | | | | +---w noreboot?   empty
| | | | | +---ro output
| | | | |   +---ro fwdl-tid?   int32
| | | | |   +---ro fwdl-status? int32
| | | | |   +---ro fwdl-msg?   string
| | | +---rw fullinstall
| | | | +---x ftp
| | | | | +---w input
| | | | | | +---w user        string
| | | | | | +---w password?   string
| | | | | | +---w host        string
| | | | | | +---w directory   string
| | | | | | +---w file?       string
| | | | | | +---w manual?     empty
| | | | | | +---w noreboot?   empty
| | | | | | +---w use-vrf?     common-def:use-vrf
| | | | | +---ro output
| | | | |   +---ro fwdl-tid?   int32
| | | | |   +---ro fwdl-status? int32
| | | | |   +---ro fwdl-msg?   string
| | | | +---x scp
| | | | | +---w input
| | | | | | +---w user        string
| | | | | | +---w password?   string
| | | | | | +---w host        string
| | | | | | +---w directory   string
| | | | | | +---w file?       string
| | | | | | +---w manual?     empty
| | | | | | +---w noreboot?   empty
| | | | | | +---w use-vrf?     common-def:use-vrf

```

```

| | | +--ro output
| | | | +--ro fwdl-tid?      int32
| | | | +--ro fwdl-status?   int32
| | | | +--ro fwdl-msg?      string
| | | +---x sftp
| | | | +---w input
| | | | | +---w user        string
| | | | | +---w password?   string
| | | | | +---w host        string
| | | | | +---w directory   string
| | | | | +---w file?       string
| | | | | +---w manual?     empty
| | | | | +---w noreboot?   empty
| | | | | +---w use-vrf?    common-def:use-vrf
| | | | +--ro output
| | | | | +--ro fwdl-tid?    int32
| | | | | +--ro fwdl-status? int32
| | | | | +--ro fwdl-msg?    string
| | | +---x tftp
| | | | +---w input
| | | | | +---w host        string
| | | | | +---w directory   string
| | | | | +---w file?       string
| | | | | +---w manual?     empty
| | | | | +---w noreboot?   empty
| | | | | +---w use-vrf?    common-def:use-vrf
| | | | +--ro output
| | | | | +--ro fwdl-tid?    int32
| | | | | +--ro fwdl-status? int32
| | | | | +--ro fwdl-msg?    string
| | | +---x usb
| | | | +---w input
| | | | | +---w directory   string
| | | | | +---w manual?     empty
| | | | | +---w noreboot?   empty
| | | | +--ro output
| | | | | +--ro fwdl-tid?    int32
| | | | | +--ro fwdl-status? int32
| | | | | +--ro fwdl-msg?    string
| | +---x commit
| | | +--ro output
| | | | +--ro result?   string
| | +---x restore
| | | +--ro output
| | | | +--ro result?   string
| | +---x sync
| | | +--ro output
| | | | +--ro result?   string
| | +---x activate
| | | +--ro output
| | | | +--ro overall-status? int32
| | | | +--ro overall-error-msg? string
| | | | +--ro status?        int32
| | +--rw auto-sync
| | | +---x enable
| | | | +--ro output
| | | | | +--ro result?   string
| | | +---x disable
| | | | +--ro output
| | | | | +--ro result?   string
| | +--rw peripheral-update-option
| | | +---x peripheral-update-cpld
| | | +---x peripheral-update-fpga
| | +--rw peripheral-update-bmc-option

```

```

|         +---x peripheral-update-bmc-all
|         +---x peripheral-update-bmc-boot
|         +---x peripheral-update-bmc-application
+---rw update
|   +---rw onie
|   |   +---x scp
|   |   |   +---w input
|   |   |   |   +---w user          string
|   |   |   |   +---w password?    string
|   |   |   |   +---w host          string
|   |   |   |   +---w directory     string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?      common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   |   +---x ftp
|   |   |   +---w input
|   |   |   |   +---w user          string
|   |   |   |   +---w password?    string
|   |   |   |   +---w host          string
|   |   |   |   +---w directory     string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?      common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   |   +---x sftp
|   |   |   +---w input
|   |   |   |   +---w user          string
|   |   |   |   +---w password?    string
|   |   |   |   +---w host          string
|   |   |   |   +---w directory     string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?      common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
+---rw write
|   +---x erase
|   |   +---w input
|   |   |   +---w (write_erase_options)?
|   |   |   |   +---:(erase_all)
|   |   |   |   |   +---w erase_all?          empty
|   |   |   |   +---:(erase_all_skip_license)
|   |   |   |   |   +---w erase_all_skip_license?  empty
|   |   +---ro output
|   |   |   +---ro fwdl-tid?          int32
|   |   |   +---ro fwdl-status?      int32
|   |   |   +---ro fwdl-msg?         string
+---rw reboot
|   +---x fastboot
+---rw dhcp
|   +---rw ztp
|   |   +---x log
|   |   |   +---ro output
|   |   |   |   +---ro dad-cmd-msg?  string
|   |   +---x cancel
|   |   |   +---ro output
|   |   |   |   +---ro dad-cmd-msg?  string
+---rw onie
|   +---x onie-install
|   |   +---ro output
|   |   |   +---ro onie-install-msg?  string
+---rw bootmenu
|   +---x menu-enable
|   |   +---ro output

```

```

|      +---ro menu-enable-msg?   string
+---x menu-disable
|      +---ro output
|      +---ro menu-disable-msg?   string

```

RPCs

```

rpcs:
+---x fwdl-status
| +---w input
| | +---w fwdl-tid?   int32
| +---ro output
| | +---ro number-of-entries?   uint32
| | +---ro fwdl-state?          enumeration
| | +---ro fwdl-entries*
| | | +---ro index?            uint32
| | | +---ro message-id?       int32
| | | +---ro date-and-time-info? string
| | | +---ro message?          string
| | | +---ro blade-slot?       int32
| | | +---ro blade-swbd?       int32
| | | +---ro blade-name?       string
| | | +---ro blade-state?      enumeration
| | | +---ro blade-app?        string
+---x activate-status
| +---ro output
| | +---ro overall-status?      int32
| | +---ro overall-error-msg?   string
| | +---ro status?              int32
+---x firmware-download
| +---w input
| | +---w fullinstall?   empty
| | +---w (protocol-type)?
| | | +---:(scp-protocol)
| | | | +---w scp
| | | | | +---w user          string
| | | | | +---w password?     string
| | | | | +---w host          string
| | | | | +---w directory     string
| | | | | +---w file?         string
| | | +---:(ftp-protocol)
| | | | +---w ftp
| | | | | +---w user          string
| | | | | +---w password?     string
| | | | | +---w host          string
| | | | | +---w directory     string
| | | | | +---w file?         string
| | | +---:(sftp-protocol)
| | | | +---w sftp
| | | | | +---w user          string
| | | | | +---w password?     string
| | | | | +---w host          string
| | | | | +---w directory     string
| | | | | +---w file?         string
| | | | | +---w port?         int32
| | | | | +---w host-key-check? empty
| | | +---:(usb-protocol)
| | | | +---w usb
| | | | | +---w directory     string
| | +---w coldboot?   empty
| +---ro output
| | +---ro fwdl-tid?   int32
| | +---ro fwdl-status? int32

```

```

|      +--ro fwdl-msg?      string
+---x firmware-commit
|      +--ro output
|      +--ro result?      string
+---x firmware-restore
|      +--ro output
|      +--ro result?      string
+---x firmware-download-sanity
+---w input
|  +---w (protocol-type)?
|  |  +---:(scp-protocol)
|  |  |  +---w scp
|  |  |  |  +---w user      string
|  |  |  |  +---w password? string
|  |  |  |  +---w host      string
|  |  |  |  +---w directory string
|  |  |  |  +---w file?     string
|  |  +---:(ftp-protocol)
|  |  |  +---w ftp
|  |  |  |  +---w user      string
|  |  |  |  +---w password? string
|  |  |  |  +---w host      string
|  |  |  |  +---w directory string
|  |  |  |  +---w file?     string
|  |  +---:(sftp-protocol)
|  |  |  +---w sftp
|  |  |  |  +---w user      string
|  |  |  |  +---w password? string
|  |  |  |  +---w host      string
|  |  |  |  +---w directory string
|  |  |  |  +---w file?     string
|  |  |  |  +---w port?     int32
|  |  |  |  +---w host-key-check? empty
|  |  +---:(usb-protocol)
|  |  |  +---w usb
|  |  |  |  +---w directory string
+---ro output
+--ro fwdl-tid?      int32
+--ro fwdl-status?   int32
+--ro fwdl-msg?      string
+--ro fwdl-version?  string

```

brocade-firmware-ext

Provides a data model with extensions to the brocade-firmware model for reporting firmware information.

RPCs

Displays firmware version information:

```
rpcs:
  +---x show-firmware-version
    +--ro output
      +--ro show-firmware-version*
        +--ro os-name?           string
        +--ro os-version?        string
        +--ro copy-right-info?   string
        +--ro build-time?        string
        +--ro install-time?      string
        +--ro kernel-version?    string
        +--ro firmware-full-version? string
        +--ro control-processor-vendor? string
        +--ro control-processor-chipset? string
        +--ro control-processor-cpucore? string
        +--ro control-processor-microcode? string
        +--ro control-processor-memory? string
        +--ro system-uptime?     string
      +--ro node-info*
        +--ro slot-no?           uint32
        +--ro node-instance-no?  uint32
        +--ro node-type?         node-type-enum
        +--ro is-active-cp?      boolean
      +--ro firmware-version-info*
        +--ro application-name?  string
        +--ro primary-version?   string
        +--ro secondary-version? string
```

brocade-ha

Provides a model data for enabling and disabling high availability (HA), displaying high availability status information, rebooting the chassis, performing failover, and displaying the high availability state.

Top-level container

```

module: brocade-ha
  +--rw ha
  |   +--rw process-restart
  |   |   +--rw mpls?      empty
  |   |   +--rw bgp?       empty
  |   |   +--rw isis?      empty
  |   |   +--rw ospfv2?    empty
  |   |   +--rw ospfv3?    empty
  |   +--rw ha-action
  |   |   +--rw ha
  |   |   |   +---x enable
  |   |   |   |   +---w input
  |   |   |   |   |   +---w force?    empty
  |   |   |   +---x disable
  |   |   |   |   +---w input
  |   |   |   |   |   +---w force?    empty
  |   |   |   +---x dump
  |   |   |   +---x chassisreboot
  |   |   |   +---x failover
  |   |   |   |   +---w input
  |   |   |   |   |   +---w force?    empty
  |   |   |   +---rw sync
  |   |   |   |   +---x start
  |   |   |   |   |   +---ro output
  |   |   |   |   |   |   +--ro result?    string
  |   |   |   +---x stop
  |   |   |   |   +---ro output
  |   |   |   |   |   +--ro result?    string
  |   +--rw system-reload
  |   |   +---x reload
  |   |   |   +---w input
  |   |   |   |   +---w system?      empty
  |   |   |   |   +---w powercycle?   empty
  |   |   |   |   +---w diag-mode?    empty
  |   |   |   |   +---w standby?      empty
  |   |   |   +---ro output
  |   |   |   |   +--ro status-string?  string

```

RPCs

```

rpcs:
  +---x reload
  |   +---w input
  |   |   +---w system?      empty
  |   |   +---w diag-mode?   empty
  |   |   +---w standby?     empty

```

brocade-hardware

Provides a data model for managing connectors.

Top-level container

```

module: brocade-hardware
  +--rw hardware
  |   +--rw connector* [name]
  |   |   +--rw name          connector-type
  |   |   +--rw breakout!
  |   |   |   +--rw cage-mode?   connector-mode-type
  |   |   +--rw insight
  |   |   |   +--rw insmode?    empty
  |   +--rw port-group* [name]
  |   |   +--rw name          interface:port-group-type
  |   |   +--rw portgroup-speed?  portgroup-speed-type
  |   +--rw profile
  |   |   +--rw tcam
  |   |   |   +--rw predefined
  |   |   |   |   +--rw tcam_profiletype?  tcam-profile-subtype
  |   |   |   |   +--rw cam-share
  |   |   |   |   |   +--rw l2-ingress-acl?    empty
  |   |   |   |   |   +--rw l3-v4-ingress-acl?  empty
  |   |   |   |   |   +--rw l3-v6-ingress-acl?  empty
  |   |   |   |   |   +--rw l3-v4-pbr?        empty
  |   |   |   |   |   +--rw l3-v6-pbr?        empty
  |   |   |   |   +--rw limit
  |   |   |   |   |   +--rw l2l3v4-app    uint32
  |   |   |   |   |   +--rw v6-app        uint32
  |   |   |   |   |   +--rw flex-acl      uint32
  |   |   |   |   +--rw vxlan-vpls-enable?  empty
  |   |   +--rw route
  |   |   |   +--rw predefined
  |   |   |   |   +--rw route_profiletype?  route-profile-subtype
  |   |   |   |   +--rw enhance_parameter
  |   |   |   |   |   +--rw hwopt_enable?    feature-state-subtype
  |   |   |   |   |   +--rw multi_vrf?      feature-state-subtype
  |   |   |   |   |   +--rw v4fibcomp_enable? feature-state-subtype
  |   |   |   |   |   +--rw v6fibcomp_enable? feature-state-subtype
  |   |   |   |   +--rw routing_parameter
  |   |   |   |   |   +--rw maximum-paths?  ecmp-subtype
  |   |   |   |   |   +--rw route-feature
  |   |   |   |   |   |   +--rw ipv6-max-prefix-64?  empty
  |   |   |   |   |   |   +--rw urpf?            empty
  |   |   +--rw qos
  |   |   |   +--rw predefined
  |   |   |   |   +--rw qos_profiletype?  qos-profile-subtype
  |   +--rw lag
  |   |   +--rw predefined
  |   |   |   +--rw lag_profiletype?  lag-profile-subtype
  |   +--rw counters
  |   |   +--rw predefined
  |   |   |   +--rw counters_profiletype?  counters-profile-subtype
  |   +--rw etcam
  |   |   +--rw predefined
  |   |   |   +--rw etcam_profiletype?  etcam-profile-subtype
  +--rw hardware-action
  |   +--rw hardware
  |   |   +--x media-database
  |   |   |   +--w input
  |   |   |   |   +--w activate    empty

```

```
+---x smt
  +---w input
    +---w (opt)?
      +--:(enable)
        | +---w enable      empty
      +--:(disable)
        +---w disable      empty
```

brocade-http-config

Provides a data model for configuring the Hypertext Transfer Protocol (HTTP) server.

Top-level container

```
module: brocade-http-config
  +--rw http-sa
    +--rw http
      +--rw server
        +--rw http-vrf-cont
          +--rw use-vrf* [use-vrf-name]
            +--rw use-vrf-name      string
            +--rw http-vrf-shutdown? empty
```

External augmentations

```
module: brocade-common-def
  +--rw show
    | +--rw http-config:http
    | | +--rw http-config:server
```

brocade-http-redirect

Provides a data model to redirect the Hypertext Transfer Protocol (HTTP) server.

RPCs

```
rpcs:
  +---x set-http-application-url
    +---w input
    |   +---w config-http-app-url
    |   |   +---w url          string
    |   |   +---w op-type      uint32
    +--ro output
        +---ro status-code      int32
        +---ro status-string?   string
```

brocade-igmp-snooping

Provides a data model for configuring the Internet Group Management Protocol (IGMP) snooping.

Top-level container

```

module: brocade-igmp-snooping
  +--rw igmp-snooping
    +--rw ip
      +--rw igmp
        +--rw router-alert-check-disable?  empty
        +--rw ssm-map
          +--rw igmps-ssmmap?  empty
          +--rw igmps-prefix-list* [igmps-prefix-list-name igmps-prefix-src-addr]
            +--rw igmps-prefix-list-name  ipv4-prefix-name-t
            +--rw igmps-prefix-src-addr    inet:ipv4-address

```

External augmentations

```

module: brocade-interface
  +--rw igmp:igmp-phy-intf-cfg
    | | | | +--rw igmp:igmp
    | | | |   +--rw igmp:igmpl3-last-member-query-interval?  igmp-snooping:lmqt-type
    | | | |   +--rw igmp:igmpl3-query-interval?               igmp-snooping:qi-type
    | | | |   +--rw igmp:igmpl3-query-max-response-time?      igmp-snooping:qmr-t-type
    | | | |   +--rw igmp:igmpl3-immediate-leave?              empty
    | | | |   +--rw igmp:igmpl3-version?                       uint32
    | | | |   +--rw igmp:igmpl3-static-group [igmpl3-sg-addr]
    | | | |     +--rw igmp:igmpl3-sg-addr    inet:ipv4-address

```

brocade-interface

Provides the data model for managing Ethernet network interfaces and their sublayers.

The following table lists the Ethernet interfaces and other entities modeled by high-level nodes in this management module.

Table 7: Entities managed through brocade-interface module

High-level node name	Description
interface/ethernet	Physical Ethernet interfaces
interface/management	Models the management port or management interfaces
interface/port-channel	Models port-channel or LAG interfaces
interface-vlan	Models Layer 2 VLAN interfaces

This module provides the mechanism to support the following actions:

- Discover and characterize the interface sublayers.
- Configure various attributes of these interfaces.
- Structure the interfaces so that various Layer 2 or Layer 3 access and security policies, network discovery policies, QoS policies, and link aggregation policies can be applied using other modules supported by the managed entity.

Top-level container

```

module: brocade-interface
  +--rw interface
  |   +--rw ethernet* [name]
  |   |   +--rw name                    config-interface-type
  |   |   +--rw long-distance-is1?     enumeration
  |   |   +--rw cee?                   cee-map-name-type
  |   |   +--rw loopback?              enumeration
  |   |   +--rw speed?                 enumeration
  |   |   +--rw fec
  |   |   |   +--rw fec-mode?          fec-mode-type
  |   |   +--ro ifindex?               uint64
  |   |   +--rw description?           string
  |   |   +--rw shutdown?              empty
  |   |   +--rw channel-group
  |   |   |   +--rw port-int?          portchannel-type
  |   |   |   +--rw mode?              po-mode
  |   |   |   +--rw type?              po-type
  |   |   +--rw mtu?                   mtu-type
  |   |   +--rw route-only?            empty
  |   |   +--rw tag-type?              tpid-type
  |   |   +--rw maintenance-mode!
  |   |   |   +--rw rate-monitoring!
  |   |   |   |   +--rw threshold?     maint-mode-threshold
  |   |   +--rw switchport-basic
  |   |   |   +--rw basic?             empty
  |   |   +--rw switchport
  |   |   |   +--rw mode
  |   |   |   |   +--rw vlan-mode?     l2-mode-type
  |   |   |   +--rw port-security!
  |   |   |   |   +--rw port-sec-max?   uint32
  |   |   |   |   +--rw port-sec-violation? port-sec-violation

```

```

| | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | | +--rw mac-address mac-address-type
| | | | | +--rw port-sec-vlan vlan-type
| | | | +--rw sticky
| | | | | +--rw sticky-flag? empty
| | | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | | +--rw mac-address mac-address-type
| | | | | +--rw port-sec-vlan vlan-type
| | | | +--rw shutdown-time? uint32
| | | +--rw access
| | | | +--rw accessvlan? vlan-type
| | | | +--rw rspan-access
| | | | +--rw rspan-access-vlan? vlan-type
| | | x--rw access-mac-vlan-classification
| | | | +--rw access
| | | | +--rw vlan* [access-vlan-id access-mac-address]
| | | | +--rw access-vlan-id vlan-type
| | | | +--rw access-mac-address mac-address-type
| | | x--rw access-mac-group-vlan-classification
| | | | +--rw access
| | | | +--rw vlan* [access-vlan-id access-mac-group]
| | | | +--rw access-vlan-id vlan-type
| | | | +--rw access-mac-group mac-group-id-type
| | | +--rw trunk
| | | | +--rw allowed
| | | | | +--rw vlan
| | | | | | +--rw all? empty
| | | | | | +--rw none? empty
| | | | | | +--rw add? ui32-vlan-20k-range
| | | | | | +--rw except? ui32-1k-vlan-range
| | | | | | +--rw remove? ui32-1k-vlan-range
| | | | | x--rw vlanoper
| | | | | | +--rw vlan
| | | | | | +--rw add? ui32-vlan-range
| | | | | | +--rw remove? ui32-vlan-range
| | | | | +--rw rspan-vlan
| | | | | | +--rw add-rspan-trunk-vlan? ui32-1k-vlan-range
| | | | | | +--rw remove-rspan-trunk-vlan? ui32-1k-vlan-range
| | | | | x--rw trunk-rspan-vlan-classification
| | | | | +--rw rspan-vlan
| | | | | +--rw add* [trunk-vlan-id trunk-ctag-id]
| | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | +--rw trunk-ctag-id dot1q-vlan-type
| | | | | +--rw remove* [trunk-vlan-id trunk-ctag-id]
| | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | +--rw trunk-ctag-id dot1q-vlan-type
| | | | x--rw trunk-vlan-classification
| | | | | +--rw allowed
| | | | | +--rw vlan
| | | | | +--rw add* [trunk-vlan-id]
| | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | +--rw trunk-ctag-range? ui32-ctag-range
| | | | | +--rw remove* [trunk-vlan-id]
| | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | +--rw trunk-ctag-range? ui32-ctag-range
| | | | x--rw default-vlan-config
| | | | | +--rw default-transparent-vlan? non-dot1q-vlan-type
| | | | +--rw tag!
| | | | | +--rw native-vlan? empty
| | | | +--rw native-vlan-classification
| | | | | +--rw native-vlan-id? native-vlan-type
| | | | | x--rw native-vlan-ctag-id? dot1q-vlan-type
| | | | x--rw native-vlan-xtagged-config
| | | | | +--rw native-vlan-id-xtagged? vlan-type

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| | | | | +--rw native-vlan-ctag-id-xtagged?      dot1q-vlan-type
| | | | | +--rw native-vlan-egress-type-xtagged?  enumeration
| | | | | x--rw native-vlan-untagged-config
| | | | |   +--rw native-vlan-id-untagged?      vlan-type
| | | | | x--rw access-mac-rspan-vlan-classification
| | | | |   +--rw access
| | | | |     +--rw vlan* [access-vlan-id access-mac-address]
| | | | |       +--rw access-vlan-id            vlan-type
| | | | |       +--rw access-mac-address        mac-address-type
| | | | | x--rw access-mac-group-rspan-vlan-classification
| | | | |   +--rw access
| | | | |     +--rw vlan* [access-vlan-id access-mac-group]
| | | | |       +--rw access-vlan-id            vlan-type
| | | | |       +--rw access-mac-group          mac-group-id-type
| | | +--rw bfd-software-session?                empty
| | | +--rw ip
| | |   +--rw source-guard
| | |     +--rw source-guard-enable?            empty
| | |   +--rw ip-config:ip-config
| | |     +--rw ip-config:mtu?                  ip-mtu
| | |     +--rw ip-config:directed-broadcast?    empty
| | |     +--rw ip-config:proxy-arp?            empty
| | |     +--rw ip-config:irdp?                empty
| | |     +--rw ip-config:arp
| | |       +--rw ip-config:learn-any?          empty
| | |     +--rw ip-config:arp-aging-timeout?    uint32
| | |     +--rw ip-config:address* [address]
| | |       +--rw ip-config:address            union
| | |       +--rw ip-config:secondary?         empty
| | |       +--rw ip-config:ospf-passive?       empty
| | |       +--rw ip-config:ospf-ignore?       empty
| | |     +--rw ip-config:unnumbered
| | |     +--rw ip-config:ip-donor-interface-type? ip-unnumbered-donor-
interface-type_t
| | |     +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-
interface-name_t
| | |   +--rw dai:arp-node-config
| | |     +--rw dai:arp
| | |       +--rw dai:inspection
| | |       +--rw dai:trust?                    empty
| | |       +--rw dai:filter
| | |       +--rw dai:acl-name?                 dai-acl-policy-name
| | |   +--rw dhcp:interface-eth-dhcp-conf
| | |     +--rw dhcp:dhcp
| | |       +--rw dhcp:relay
| | |         +--rw dhcp:servers* [relay-ip-addr server-vrf-name]
| | |           +--rw dhcp:relay-ip-addr        dhcp-ipv4-address
| | |           +--rw dhcp:server-vrf-name      common-def:vrf-name
| | |       +--rw dhcp:gateway
| | |         +--rw dhcp:gateway-address?       dhcp-ipv4-address
| | |         +--rw dhcp:gw-intf-type?          dhcp-gateway-interface-type
| | |         +--rw dhcp:gw-intf-name?          dhcp-gateway-interface-name
| | |   +--rw dhcp:dhcp
| | |     +--rw dhcp:snooping
| | |       +--rw dhcp:dhcp-snooping-trust?     empty
| | |   +--rw icmp:icmp
| | |     +--rw icmp:rate-limiting?            uint32
| | |     +--rw icmp:echo-reply?               empty
| | |     +--rw icmp:redirect?                 empty
| | |     +--rw icmp:unreachable?              empty
| | |   +--rw igmp:igmp
| | |     +--rw igmp:igmpl3-last-member-query-interval? igmp-snooping:lmqt-type
| | |     +--rw igmp:igmpl3-query-interval?      igmp-snooping:qi-type
| | |     +--rw igmp:igmpl3-query-max-response-time? igmp-snooping:qmrt-type

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| | | | +--rw igmp:igmpl3-immediate-leave?          empty
| | | | +--rw igmp:igmpl3-version?                  uint32
| | | | +--rw igmp:igmpl3-static-group* [igmpl3-sg-addr]
| | | |   +--rw igmp:igmpl3-sg-addr      inet:ipv4-address
| | | | +--rw isis:intf-router-isis
| | | |   +--rw isis:int-router-isis
| | | |     +--rw isis:interface-ip-router-isis?  empty
| | | | +--rw ospf:interface-eth-ospf-conf
| | | |   +--rw ospf:ospfl
| | | |     +--rw ospf:area?                      ospf-area-id
| | | |     +--rw ospf:auth-change-wait-time?    common-def:time-interval-sec
| | | |     +--rw ospf:authentication-key
| | | |       +--rw ospf:no-encrypt-auth-key-table
| | | |       | +--rw ospf:no-encrypt-auth-key?  ospf-auth-psswd-string
| | | |       +--rw ospf:auth-key-table
| | | |         +--rw ospf:encrypttype?          key-type
| | | |         +--rw ospf:auth-key?             ospf-auth-psswd-string
| | | |     +--rw ospf:authentication
| | | |       +--rw ospf:key-chain?              ospf-keychain-string
| | | |     +--rw ospf:hello-interval?           common-def:time-interval-sec
| | | |     +--rw ospf:dead-interval?            common-def:time-interval-sec
| | | |     +--rw ospf:retransmit-interval?      common-def:time-interval-sec
| | | |     +--rw ospf:transmit-delay?           common-def:time-interval-sec
| | | |     +--rw ospf:md5-authentication
| | | |       +--rw ospf:key-activation-wait-time? common-def:time-interval-sec
| | | |       +--rw ospf:no-encrypt-key-table
| | | |       | +--rw ospf:no-encrypt-key-id?    uint32
| | | |       | +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string
| | | |       +--rw ospf:key-table
| | | |         +--rw ospf:key-id?                uint32
| | | |         +--rw ospf:key?                  key-type
| | | |         +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
| | | |     +--rw ospf:cost?                      uint32
| | | |     +--rw ospf:network?                   enumeration
| | | |     +--rw ospf:intf-ldp-sync?             enumeration
| | | |     +--rw ospf:database-filter
| | | |       +--rw ospf:all-out?                 empty
| | | |       +--rw ospf:all-external?            database-filter-options
| | | |       +--rw ospf:all-summary-external?    database-filter-options
| | | |     +--rw ospf:mtu-ignore?                empty
| | | |     +--rw ospf:active?                    empty
| | | |     +--rw ospf:passive?                   empty
| | | |     +--rw ospf:priority?                  uint32
| | | |     +--rw ospf:bfd
| | | |       +--rw ospf:intf-bfd-enable?        empty
| | | | +--rw pim:pim-intf-phy-cont
| | | |   +--rw pim:pim-int-cmd
| | | |     +--rw pim:pim-sparse?                empty
| | | |     +--rw pim:pim
| | | |       +--rw pim:neighbor-filter?          ip-prefix-name-t
| | | |       +--rw pim:dr-priority?              uint32
| | | |       +--rw pim:tth-threshold?            uint32
| | | |     +--rw pim:mcast-bdry-prefix-list?    ip-prefix-name-t
| | | +--rw vrf
| | |   +--rw forwarding?      common-def:vrf-name
| | | +--rw reload-delay
| | |   +--rw reload-delay-enable?  empty
| | |   +--rw reload-delay-time?    reload-delay-type
| | +--rw ipv6
| |   +--rw raguard?                empty
| |   +--rw ipv6-config:ipv6-config
| |     +--rw ipv6-config:address
| |       +--rw ipv6-config:use-link-local-only?  empty
| |       +--rw ipv6-config:link-local-config

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| | | | | | +--rw ipv6-config:link-local-address? inet:ipv6-address
| | | | | | +--rw ipv6-config:link-local? empty
| | | | | | +--rw ipv6-config:ipv6-address* [address]
| | | | | | +--rw ipv6-config:address union
| | | | | | +--rw ipv6-config:secondary? empty
| | | | | | +--rw ipv6-config:eui-config
| | | | | | | +--rw ipv6-config:eui64? empty
| | | | | | | +--rw ipv6-config:eui-secondary? empty
| | | | | | | +--rw ipv6-config:anycast? empty
| | | | | | +--rw ipv6-config:mtu? ip-mtu
| | | +--rw dhcpv6:interface-phy-dhcp-conf
| | | | +--rw dhcpv6:dhcp
| | | | | +--rw dhcpv6:relay
| | | | | | +--rw dhcpv6:servers* [relay-ip-addr]
| | | | | | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address
| | | | | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name
| | | | | | | +--rw dhcpv6:interface
| | | | | | | | +--rw dhcpv6:interface-type? dhcpv6-iftype
| | | | | | | | +--rw dhcpv6:interface-name? dhcpv6-ifname
| | | | | | +--rw dhcpv6:source-interface
| | | | | | | +--rw dhcpv6:source-intf-type? dhcpv6-relay-src-interface-type
| | | | | | | +--rw dhcpv6:source-intf-name? dhcpv6-src-ifname
| | | | | | | +--rw dhcpv6:source-ip? dhcp-ipv6-address
| | | +--rw icmp:icmpv6
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:redirect? empty
| | | | +--rw icmp:unreachable? empty
| | | +--rw ipv6-access-list:access-group* [ipv6-access-list ip-direction]
| | | | +--rw ipv6-access-list:ipv6-access-list ipv6-l3-acl-policy-name
| | | | +--rw ipv6-access-list:ip-direction enumeration
| | | | +--rw ipv6-access-list:traffic-type? enumeration
| | | +--rw ip-policy:policy
| | | | +--rw ip-policy:route-map
| | | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-string63
| | | +--rw ipv6-nd-ra:ipv6-nd-ra
| | | | +--rw ipv6-nd-ra:ipv6-intf-cmds
| | | | | +--rw ipv6-nd-ra:vrrp-suppress-interface-ra? empty
| | | | | +--rw ipv6-nd-ra:nd
| | | | | | +--rw ipv6-nd-ra:managed-config-flag? empty
| | | | | | +--rw ipv6-nd-ra:other-config-flag? empty
| | | | | | +--rw ipv6-nd-ra:broadcast-mac-trap? empty
| | | | | | +--rw ipv6-nd-ra:ra-lifetime? common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:reachable-time? common-def:time-interval-msec
| | | | | | +--rw ipv6-nd-ra:mtu? uint32
| | | | | | +--rw ipv6-nd-ra:retrans-timer? common-def:time-interval-msec
| | | | | | +--rw ipv6-nd-ra:hoplimit? uint32
| | | | | | +--rw ipv6-nd-ra:ns-interval? common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:suppress-ra
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-flag? empty
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-mtu? empty
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-all? empty
| | | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | | +--rw ipv6-nd-ra:max-interval? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:min? common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:send-ra? empty
| | | | | | +--rw ipv6-nd-ra:router-preference
| | | | | | | +--rw ipv6-nd-ra:router-pref-high? empty
| | | | | | | +--rw ipv6-nd-ra:router-pref-low? empty
| | | | | | | +--rw ipv6-nd-ra:router-pref-medium? empty
| | | | | | +--rw ipv6-nd-ra:ra-dns-server* [dns-server-prefix]
| | | | | | +--rw ipv6-nd-ra:dns-server-prefix inet:ipv6-
address
| | | | | | | +--rw ipv6-nd-ra:dns-server-lifetime-multiplier? uint32

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| | | | | +--rw ipv6-nd-ra:ra-domain-name* [domain-name-string]
| | | | | | +--rw ipv6-nd-ra:domain-name-string string
| | | | | | +--rw ipv6-nd-ra:domain-name-lifetime-multiplier? uint32
| | | | | +--rw ipv6-nd-ra:address
| | | | | | +--rw ipv6-nd-ra:suppressing-address* [suppress-ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:suppress-ipv6-address nd-suppress-ipv6-
address
| | | | | | | +--rw ipv6-nd-ra:suppress-per-address? empty
| | | | | | | +--rw ipv6-nd-ra:address-suppress-all? empty
| | | | | | +--rw ipv6-nd-ra:dad
| | | | | | | +--rw ipv6-nd-ra:attempts? uint32
| | | | | | | +--rw ipv6-nd-ra:time? common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:cache
| | | | | | | +--rw ipv6-nd-ra:expire? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:cache-limit? uint32
| | | | | | +--rw ipv6-nd-ra:prefix* [prefix-ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | | | +--rw ipv6-nd-ra:lifetime
| | | | | | | | +--rw (ch-valid-type)?
| | | | | | | | | +--:(ca-no-advertise)
| | | | | | | | | | +--rw ipv6-nd-ra:no-advertise? empty
| | | | | | | | | +--:(ca-valid-lifetime)
| | | | | | | | | | +--rw ipv6-nd-ra:valid-lifetime? common-def:time-
interval-sec
| | | | | | | | | +--:(ca-valid-infinite)
| | | | | | | | | | +--rw ipv6-nd-ra:valid-infinite? empty
| | | | | | | +--rw ipv6-nd-ra:preferred
| | | | | | | | +--rw (ch-preferred-type)?
| | | | | | | | | +--:(ca-preferred-lifetime)
| | | | | | | | | | +--rw ipv6-nd-ra:preferred-lifetime? common-
def:time-interval-sec
| | | | | | | | | +--:(ca-preferred-infinite)
| | | | | | | | | | +--rw ipv6-nd-ra:preferred-infinite? empty
| | | | | | | +--rw ipv6-nd-ra:prefix-flags
| | | | | | | | +--rw ipv6-nd-ra:no-autoconfig? empty
| | | | | | | | +--rw ipv6-nd-ra:no-onlink? empty
| | | | | | | | +--rw ipv6-nd-ra:off-link? empty
| | | | | | +--rw ipv6-nd-ra:neighbor* [ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:ipv6-address neighbor-ipv6-address
| | | | | | | +--rw ipv6-nd-ra:hardware-address? macAddr
| | | | +--rw isis:intf-ipv6-router-isis
| | | | | +--rw isis:int-ipv6-router-isis
| | | | | | +--rw isis:interface-ipv6-router-isis? empty
| | | +--rw mld:mld-phy-intf-cfg
| | | | +--rw mld:mld
| | | | | +--rw mld:last-member-query-interval? mld-snooping:lmqt-type
| | | | | +--rw mld:query-interval? mld-snooping:qi-type
| | | | | +--rw mld:query-max-response-time? mld-snooping:qmrt-type
| | | | | +--rw mld:immediate-leave? empty
| | | | | +--rw mld:version? uint32
| | | | | +--rw mld:static-group* [l3-sg-addr]
| | | | | | +--rw mld:l3-sg-addr inet:ipv6-address
| | | +--rw ospfv3:interface-ospfv3-conf
| | | | +--rw ospfv3:interface-area? ospf:ospf-area-id
| | | | +--rw ospfv3:active? empty
| | | | +--rw ospfv3:passive? empty
| | | | +--rw ospfv3:bfd
| | | | | +--rw ospfv3:bfd-enable? empty
| | | | +--rw ospfv3:cost? uint32
| | | | +--rw ospfv3:instance? uint32
| | | | +--rw ospfv3:mtu-ignore? empty
| | | | +--rw ospfv3:network? enumeration
| | | | +--rw ospfv3:priority? uint32
| | | | +--rw ospfv3:suppress-linklsa? empty

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| | | | +--rw ospfv3:authentication
| | | | | +--rw ospfv3:key-chain? string
| | | | | +--rw ospfv3:ipsec-auth-key-config
| | | | | | +--rw ospfv3:spi? spi-value-type
| | | | | | +--rw (ch-algorithm)?
| | | | | | | +--:(ca-ah-algorithm)
| | | | | | | | +--rw ospfv3:ah? algorithm-type-ah
| | | | | | | | +--rw ospfv3:ah-key? ipsec-authentication-hexkey-string
| | | | | | | +--:(ca-esp-algorithm)
| | | | | | | | +--rw ospfv3:esp? algorithm-type-esp
| | | | | | | | +--rw ospfv3:esp-auth? algorithm-type-ah
| | | | | | | | +--rw ospfv3:esp-auth-key? ipsec-authentication-hexkey-string
| | | | | +--rw ospfv3:ipsec
| | | | | | +--rw ospfv3:ipsec-authentication-disable? empty
| | | | | | +--rw ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec
| | | | +--rw ospfv3:link-interval-properties
| | | | | +--rw ospfv3:hello-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:dead-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:hello-jitter? uint32
| | | | | +--rw ospfv3:retransmit-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:transmit-delay? common-def:time-interval-sec
| | | +--rw pim:pim-intf-phy-cont
| | | | +--rw pim:ipv6-pim-int-cmd
| | | | | +--rw pim:pim-sparse? empty
| | | | | +--rw pim:pim
| | | | | | +--rw pim:neighbor-filter? ip-prefix-name-t
| | | | | | +--rw pim:dr-priority? uint32
| | | | | | +--rw pim:ttl-threshold? uint32
| | | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | | +--rw vrrpv3:vrrpv3-group* [vrid]
| | | | +--rw vrrpv3:vrid vrid-type
| | | | | +--rw vrrpv3:use-v2-checksum? empty
| | | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | | +--rw vrrpv3:track
| | | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +--rw vrrpv3:interface-type track-iftype
| | | | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | | | +--rw vrrpv3:track-priority? uint8
| | | | | +--rw vrrpv3:advertisement-interval? uint32
| | | | | +--rw vrrpv3:enable? empty
| | | | | +--rw vrrpv3:hold-time? uint32
| | | | | +--rw vrrpv3:preempt-mode? empty
| | | | | +--rw vrrpv3:priority? uint8
| | | | | +--rw vrrpv3:description? string
| | | +--rw vrrpv3:vrrpv3e-group* [vrid]
| | | | +--rw vrrpv3:vrid vrrpe-vrid-type
| | | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | | +--rw vrrpv3:track
| | | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +--rw vrrpv3:interface-type track-iftype
| | | | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | | | +--rw vrrpv3:track-priority? uint8
| | | | | +--rw vrrpv3:enable? empty
| | | | | +--rw vrrpv3:hold-time? uint32
| | | | | +--rw vrrpv3:preempt-mode? empty
| | | | | +--rw vrrpv3:priority? uint8
| | | | | +--rw vrrpv3:description? string
| | | | | +--rw vrrpv3:advertise-backup? empty
| | | | | +--rw vrrpv3:nd-advertisement-timer? uint32
| | | | | +--rw vrrpv3:advertisement-interval-scale? uint32
| | | | | +--rw vrrpv3:backup-advertisement-interval? uint32

```

```

| | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32
| | | +--rw vrrpv3:short-path-forwarding
| | | +--rw vrrpv3:basic? empty
| | | +--rw vrrpv3:revert-priority? uint8
| | +--rw track
| | | +--rw track_enable? empty
| | | +--rw min-link? uint32
| | | +--rw interface* [track-interface-type track-interface-name]
| | | | +--rw track-interface-type enumeration
| | | | +--rw track-interface-name string
| | | +--rw remove
| | | | +--rw remove-all-track-interfaces? empty
| | +--rw bfd
| | | +--rw interval
| | | | +--rw min-tx? bfd-tx-interval-type
| | | | +--rw min-rx? bfd-rx-interval-type
| | | | +--rw multiplier? bfd-multiplier-type
| | | +--rw bfd-shutdown? empty
| | +--rw snmp
| | | +--rw trap
| | | | +--rw link-status
| | | | +--rw snmp-link-disable? empty
| | +--rw redundant-management
| | | +--rw redundant-enable? empty
| | +--rw vepa
| | | +--rw vepa-enable? empty
| | +--rw edge-loop-detection-native
| | | +--rw loop-detection-native? empty
| | +--rw edge-loop-detection
| | | +--rw eldprio? uint32
| | | +--rw eldshutdown-disable? empty
| | | +--rw eldvlan? ui32-vlan-range
| | +--rw priority-tag-enable? empty
| | +--rw strip-header? enumeration
| | +--rw endpoint-tracking
| | | +--rw endpoint-tracking-enable? empty
| | | +--rw timeout
| | | | +--rw reauth-period? uint32
| | +--rw bpdu-drop-enable? empty
| | +--rw core-isolation-track? empty
| | +--rw ethernet-segment!
| | | +--rw esi? string
| | | +--rw load-balance-mode? enumeration
| | +--rw tunable-optics
| | | +--rw sfpp
| | | | +--rw channel? tunable-optics-sfpp-channel-type
| | +--rw mac-access-list:mac
| | | +--rw mac-access-list:access-group* [mac-access-list mac-direction]
| | | | +--rw mac-access-list:mac-access-list mac-acl-name
| | | | +--rw mac-access-list:mac-direction enumeration
| | | | +--rw mac-access-list:traffic-type? enumeration
| | +--rw lif:logical-interface
| | | +--rw lif:ethernet* [instance-id]
| | | | +--rw lif:instance-id lif-interface-type
| | | | +--rw lif:shutdown? empty
| | | | +--rw lif:name? string
| | | | +--rw lif:untagged
| | | | | +--rw lif:untagged-vlan
| | | | | | +--rw lif:untagged-vlan-id? uint32
| | | | | +--rw lif:tagged-outer-vlan
| | | | | | +--rw lif:outer-tagged-vlan-id? uint32
| | | | | | +--rw lif:inner-tagged-vlan-id? uint32
| | +--rw qos-mls:storm-control
| | | +--rw qos-mls:ingress* [protocol-type]

```

```

| | | +--rw qos-mls:protocol-type enumeration
| | | +--rw qos-mls:rate-format? enumeration
| | | +--rw qos-mls:rate-bps? rate-limit-bps-type
| | | +--rw qos-mls:rate-percent? rate-limit-percentage-type
| | | +--rw qos-mls:bum-action? enumeration
| | +--rw qos-mls:qos
| | | +--rw qos-mls:default-cos? cos-id-type
| | | +--rw qos-mls:default-tc? traffic-class-id-type
| | | +--rw qos-mls:trust
| | | | +--rw qos-mls:trust-cos? empty
| | | | +--rw qos-mls:trust-dscp? empty
| | | +--rw qos-mls:cos-mutation? map-name-type
| | | +--rw qos-mls:cos-mutation-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:traffic-class-cos? map-name-type
| | | +--rw qos-mls:traffic-class-cos-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:cos-traffic-class? map-name-type
| | | +--rw qos-mls:cos-traffic-class-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:traffic-class-dscp? map-name-type
| | | +--rw qos-mls:traffic-class-dscp-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:dscp-mutation? map-name-type
| | | +--rw qos-mls:dscp-mutation-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:dscp-traffic-class? map-name-type
| | | +--rw qos-mls:dscp-traffic-class-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:dscp-cos? map-name-type
| | | +--rw qos-mls:dscp-cos-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:random-detect
| | | | +--rw qos-mls:traffic-class* [red-tc-value red-dp-value]
| | | | | +--rw qos-mls:red-tc-value traffic-class-id-type
| | | | | +--rw qos-mls:red-dp-value drop-precedence-id-type
| | | | | +--rw qos-mls:red-profile-id? red-profile-id-type
| | | +--rw qos-mls:drop-monitor
| | | | +--rw qos-mls:drop-monitor-enable? empty
| | | +--rw qos-mls:port-speed-up? uint32
| | | +--rw qos-mls:flowcontrol
| | | | +--rw qos-mls:link-level-flowcontrol
| | | | | +--rw qos-mls:flowcontrol-tx? enumeration
| | | | | +--rw qos-mls:flowcontrol-rx? enumeration
| | | | +--rw qos-mls:pfc* [pfc-cos]
| | | | | +--rw qos-mls:pfc-cos cos-id-type
| | | | | +--rw qos-mls:pfc-flowcontrol-tx enumeration
| | | | | +--rw qos-mls:pfc-flowcontrol-rx enumeration
| | | | +--rw qos-mls:threshold
| | | | | +--rw qos-mls:threshold-tx-on? flowcontrol-threshold-type
| | | | | +--rw qos-mls:threshold-tx-off? flowcontrol-threshold-type
| | | | +--rw qos-mls:pfc-threshold
| | | | | +--rw qos-mls:threshold
| | | | | +--rw qos-mls:pfc* [pfc-threshold-cos]
| | | | | +--rw qos-mls:pfc-threshold-cos cos-id-type
| | | | | +--rw qos-mls:pfc-threshold-tx-on? flowcontrol-threshold-type
| | | | | +--rw qos-mls:pfc-threshold-tx-off? flowcontrol-threshold-type
| | | +--rw qos-mls:remark
| | | | +--rw qos-mls:remark-dscp? empty
| | | +--rw qos-mls:rx-queue
| | | | +--rw qos-mls:cos-threshold
| | | | | +--rw qos-mls:cos0-threshold? uint32
| | | | | +--rw qos-mls:cos1-threshold? uint32
| | | | | +--rw qos-mls:cos2-threshold? uint32

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| | | | +--rw qos-mls:cos3-threshold? uint32
| | | | +--rw qos-mls:cos4-threshold? uint32
| | | | +--rw qos-mls:cos5-threshold? uint32
| | | | +--rw qos-mls:cos6-threshold? uint32
| | | | +--rw qos-mls:cos7-threshold? uint32
| | | +--rw qos-mls:unicast
| | | | +--rw qos-mls:queue-size* [traffic-class]
| | | | | +--rw qos-mls:traffic-class traffic-class-id-type
| | | | | +--rw qos-mls:min-queue-size? min-queue-size-type
| | | | | +--rw qos-mls:max-queue-size? max-queue-size-type
| | | +--rw qos-mls:multicast
| | | | +--rw qos-mls:guarantee-rate? guarantee-rate-type
| | | | +--rw qos-mls:best-effort-rate? best-effort-rate-type
| | | | +--rw qos-mls:queue-size* [traffic-class]
| | | | | +--rw qos-mls:traffic-class uint8
| | | | | +--rw qos-mls:min-queue-size? min-queue-size-type
| | | | | +--rw qos-mls:max-queue-size? max-queue-size-type
| | +--rw sflow:sflow
| | | +--rw sflow:enable? empty
| | | +--rw sflow:polling-interval? uint32
| | | +--rw sflow:sample-rate? uint32
| | +--rw qos-mqc:service-policy
| | | +--rw qos-mqc:in? map-name-type
| | | +--rw qos-mqc:out? map-name-type
| | +--rw ip-config:ip-forward
| | | +--rw ip-config:ip
| | | | +--rw ip-config:forward? empty
| | +--rw dle:delay-link-event
| | | +--rw dle:delay-link
| | | | +--rw dle:delay-link-event-entry? uint32
| | | | +--rw dle:delay-link-event-type? enumeration
| | +--rw dot1x:dot1x
| | | +--rw dot1x:authentication? empty
| | | +--rw dot1x:port-control? enumeration
| | | +--rw dot1x:protocol-version? uint32
| | | +--rw dot1x:quiet-period? uint32
| | | +--rw dot1x:reauthMax? uint32
| | | +--rw dot1x:max-req? uint32
| | | +--rw dot1x:reauthentication? empty
| | | +--rw dot1x:filter-strict-security? empty
| | | +--rw dot1x:timeout
| | | | +--rw dot1x:re-authperiod? dot1x-reauth-timeout-interval
| | | | +--rw dot1x:supp-timeout? dot1x-supp-timeout-interval
| | | | +--rw dot1x:tx-period? dot1x-tx-timeout-interval
| | +--rw dot3ah:link-oam-interface
| | | +--rw dot3ah:enable? enumeration
| | | +--rw dot3ah:allow-loopback? empty
| | | +--rw dot3ah:remote-failure
| | | | +--rw dot3ah:dying-gasp
| | | | | +--rw dot3ah:dying-gasp-action? action-type
| | | | +--rw dot3ah:link-fault
| | | | | +--rw dot3ah:link-fault-action? action-type
| | | | +--rw dot3ah:critical-event
| | | | | +--rw dot3ah:critical-event-action? action-type
| | +--rw ip-access-list:ip-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | | +--rw ip-access-list:ip-access-list 13-acl-policy-name
| | | | | +--rw ip-access-list:ip-direction enumeration
| | | | | +--rw ip-access-list:traffic-type? enumeration
| | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | +--rw ip-access-list:ip-access-list 13-acl-policy-name

```

```

| | +--rw ip-policy:ip-pbr-interface
| | | +--rw ip-policy:ip
| | | | +--rw ip-policy:policy
| | | | | +--rw ip-policy:route-map
| | | | | | +--rw ip-policy:route-map-name? common-def:name-string63
| | +--rw isis:interface-eth-isis-conf
| | | +--rw isis:intf-isis!
| | | | +--rw isis:interface-isis
| | | | | +--rw isis:auth-check
| | | | | | +--rw isis:auth-check-level1
| | | | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | | | | +--rw isis:auth-check-level2
| | | | | | | +--rw isis:interface-auth-check-level2-disable? empty
| | | | | +--rw isis:interface-reverse-metric!
| | | | | | +--rw isis:rev-metric-common-attributes
| | | | | | | +--rw isis:rev-metric-val? uint32
| | | | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | | | +--rw isis:interface-auth-mode
| | | | | | +--rw isis:interface-md5
| | | | | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | | | | +--rw isis:interface-auth-mode-md5-level2? empty
| | | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | | +--rw isis:interface-auth-key-level enumeration
| | | | | | +--rw isis:interface-auth-key-str? string
| | | | | +--rw isis:interface-hello
| | | | | | +--rw isis:interface-hello-padding
| | | | | | | +--rw isis:interface-hello-padding-disable? empty
| | | | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | | | +--rw isis:interface-hello-interval-level enumeration
| | | | | | +--rw isis:interface-hello-interval-val? uint32
| | | | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-
level]
| | | | | | +--rw isis:interface-hello-multiplier-level enumeration
| | | | | | +--rw isis:interface-hello-multiplier-val? uint32
| | | | | +--rw isis:circuit-type? enumeration
| | | | | +--rw isis:interface-ipv6
| | | | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | | | +--rw isis:interface-metric* [interface-metric-level]
| | | | | | +--rw isis:interface-metric-level enumeration
| | | | | | +--rw isis:interface-metric-val? uint32
| | | | | +--rw isis:interface-point-to-point? empty
| | | | | +--rw isis:interface-passive? empty
| | | | | +--rw isis:interface-priority
| | | | | | +--rw isis:interface-priority-level1? uint32
| | | | | | +--rw isis:interface-priority-level2? uint32
| | | | | +--rw isis:interface-bfd
| | | | | | +--rw isis:interface-bfd-enable? empty
| | | | | +--rw isis:interface-ldp-sync? enumeration
| | | | | +--rw isis:segment-routing
| | | | | | +--rw isis:interface-segment-routing-disable? empty
| | | | | +--rw isis:segment-routing-prefix-sid
| | | | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw lacp-pdu-forward:lacp-pdu-forward
| | | +--rw lacp-pdu-forward:enable? empty
| | +--rw lacp:lacp
| | | +--rw lacp:timeout? enumeration
| | | +--rw lacp:std_port-priority? uint32
| | | +--rw lacp:default-up? empty
| | +--rw lfs:link-fault-signaling
| | | +--rw lfs:rx? enumeration
| | | +--rw lfs:tx? enumeration

```

```

| | | +--rw lldp:lldp
| | | | +--rw lldp:cee
| | | | | +--rw lldp:lldp-cee-on-off? enumeration
| | | | +--rw lldp:disable? empty
| | | | +--rw lldp:profile? string
| | | +--rw vrrp:vrrp* [vrid version]
| | | | +--rw vrrp:vrid vrid-type
| | | | +--rw vrrp:version uint8
| | | | +--rw vrrp:use-v2-checksum? empty
| | | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | | +--rw vrrp:track
| | | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | | +--rw vrrp:interface-type track-iftype
| | | | | | +--rw vrrp:interface-name track-ifname
| | | | | | +--rw vrrp:track-priority? uint8
| | | | +--rw vrrp:advertisement-interval? uint32
| | | | +--rw vrrp:enable? empty
| | | | +--rw vrrp:hold-time? uint32
| | | | +--rw vrrp:preempt-mode? empty
| | | | +--rw vrrp:arp
| | | | | +--rw vrrp:unicast-request
| | | | | | +--rw vrrp:receive? empty
| | | | | +--rw vrrp:priority? uint8
| | | | | +--rw vrrp:description? string
| | | +--rw mct:cluster-client
| | | | +--rw mct:client-id? mct-eth-client-id-type
| | | +--rw mct:cluster-track
| | | | +--rw mct:cluster-track-flag? empty
| | | +--rw mvrp:mvrp-intf
| | | | +--rw mvrp:intf-enable? empty
| | | | +--rw mvrp:applicant-mode? applicant-state-type
| | | | +--rw mvrp:registration-mode
| | | | | +--rw mvrp:forbidden
| | | | | +--rw mvrp:vlan
| | | | | | +--rw mvrp:add? member-vlan-id
| | | | | | +--rw mvrp:remove? member-vlan-id
| | | | +--rw mvrp:timer
| | | | | +--rw mvrp:join? uint32
| | | | | +--rw mvrp:leave? uint32
| | | | | +--rw mvrp:leave-all? uint32
| | | +--rw openflow:openflow
| | | | +--rw openflow:protected-vlans
| | | | | +--rw openflow:protected-vlan-add? ui32-vlan-range
| | | | | +--rw openflow:protected-vlan-remove? ui32-vlan-range
| | | | +--rw openflow:enableInterfaceLevel
| | | | | +--rw openflow:modeType? enumeration
| | | | | +--rw openflow:hybrid-mode? empty
| | | +--rw pld:link-error-disable
| | | | +--rw pld:link-error-disable-entry? uint32
| | | | +--rw pld:sampling-time-in-sec? uint32
| | | | +--rw pld:wait-time-in-sec? uint32
| | | +--rw rmon:rmon
| | | | +--rw rmon:collection
| | | | | +--rw rmon:ether-stats-entry* [ether-stats-index]
| | | | | | +--rw rmon:ether-stats-index ether-stats-index-type
| | | | | | +--rw rmon:ether-stats-owner? owner-string
| | | | | +--rw rmon:history-control-entry* [history-control-index]
| | | | | | +--rw rmon:history-control-index history-control-index-
type
| | | | | +--rw rmon:history-control-buckets-requested? history-control-buckets-
requested-type
| | | | | +--rw rmon:history-control-interval? history-control-
interval-type

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| | | +--rw rmon:history-control-owner?          owner-string
| | +--rw rpf:rpf
| | | +--rw rpf:mode?      enumeration
| | +--rw uda-access-list:uda
| | | +--rw uda-access-list:access-group* [uda-access-list uda-direction]
| | | | +--rw uda-access-list:uda-access-list      uda-acl-name
| | | | +--rw uda-access-list:uda-direction      enumeration
| | | +--rw uda-access-list:policy
| | | | +--rw uda-access-list:route-map?      route-map-type
| | +--rw uda-access-list:offsets-container
| | | +--rw uda-access-list:offsets?      uda-profile-name
| | +--rw udld:udld
| | | +--rw udld:udld-enable?      empty
| | +--rw xstp:spanning-tree
| | | +--rw xstp:autoedge?          empty
| | | +--rw xstp:cost?              uint32
| | | +--rw xstp:portfast
| | | | +--rw xstp:portfastbasic?    empty
| | | | +--rw xstp:bpdu-guard?      empty
| | | +--rw xstp:edgeport
| | | | +--rw xstp:edgeportbasic?    empty
| | | | +--rw xstp:bpdu-guard?      empty
| | | +--rw xstp:guard
| | | | +--rw xstp:root?      empty
| | | +--rw xstp:bpdu-mac?          enumeration
| | | +--rw xstp:link-type?          enumeration
| | | +--rw xstp:priority?          uint32
| | | +--rw xstp:restricted-role?    empty
| | | +--rw xstp:restricted-tcn?     empty
| | | +--rw xstp:shutdown?          empty
| | | +--rw xstp:vlan* [id]
| | | | +--rw xstp:id              uint32
| | | | +--rw xstp:cost?          uint32
| | | | +--rw xstp:priority?      uint32
| | | | +--rw xstp:guard
| | | | | +--rw xstp:root?      empty
| | | +--rw xstp:instance* [id]
| | | | +--rw xstp:id              mstp-instance-type
| | | | +--rw xstp:cost?          uint32
| | | | +--rw xstp:priority?      uint32
| | | | +--rw xstp:restricted-role? empty
| | | | +--rw xstp:restricted-tcn? empty
| | +--rw port-channel* [name]
| | | +--rw name                  portchannel-type
| | | +--rw cee?                  cee-map-name-type
| | | +--rw vlag
| | | | +--rw ignore-split?      empty
| | | +--rw po-speed?            enumeration
| | | +--rw vrf
| | | | +--rw forwarding?        common-def:vrf-name
| | | +--rw insight
| | | | +--rw insight-enable?     empty
| | | | +--rw insight-mmId?       uint32
| | | +--rw reload-delay
| | | | +--rw reload-delay-enable? empty
| | | | +--rw reload-delay-time?  reload-delay-type
| | | +--ro ifindex?              uint64
| | | +--rw description?          string
| | | +--rw shutdown?             empty
| | | +--rw minimum-links?        uint32
| | | +--rw mtu?                  mtu-type
| | | +--rw route-only?           empty
| | | +--rw tag-type?             tpid-type
| | | +--rw maintenance-mode!

```

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| | | +--rw rate-monitoring!
| | | | +--rw threshold?   maint-mode-threshold
| | | +--rw switchport-basic
| | | | +--rw basic?   empty
| | | +--rw switchport
| | | | +--rw mode
| | | | | +--rw vlan-mode?   l2-mode-type
| | | | +--rw port-security!
| | | | | +--rw port-sec-max?   uint32
| | | | | +--rw port-sec-violation?   port-sec-violation
| | | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | | | +--rw mac-address   mac-address-type
| | | | | | +--rw port-sec-vlan   vlan-type
| | | | | +--rw sticky
| | | | | | +--rw sticky-flag?   empty
| | | | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | | | | +--rw mac-address   mac-address-type
| | | | | | | +--rw port-sec-vlan   vlan-type
| | | | | +--rw shutdown-time?   uint32
| | | +--rw access
| | | | +--rw accessvlan?   vlan-type
| | | | x--rw access-mac-vlan-classification
| | | | | +--rw access
| | | | | | +--rw vlan* [access-vlan-id access-mac-address]
| | | | | | +--rw access-vlan-id   vlan-type
| | | | | | +--rw access-mac-address   mac-address-type
| | | | x--rw access-mac-group-vlan-classification
| | | | | +--rw access
| | | | | | +--rw vlan* [access-vlan-id access-mac-group]
| | | | | | +--rw access-vlan-id   vlan-type
| | | | | | +--rw access-mac-group   mac-group-id-type
| | | +--rw trunk
| | | | +--rw allowed
| | | | | +--rw vlan
| | | | | | +--rw all?   empty
| | | | | | +--rw none?   empty
| | | | | | +--rw add?   ui32-vlan-20k-range
| | | | | | +--rw except?   ui32-1k-vlan-range
| | | | | | +--rw remove?   ui32-1k-vlan-range
| | | | | x--rw vlanoper
| | | | | | +--rw vlan
| | | | | | | +--rw add?   ui32-vlan-range
| | | | | | | +--rw remove?   ui32-vlan-range
| | | | x--rw trunk-vlan-classification
| | | | | +--rw allowed
| | | | | | +--rw vlan
| | | | | | | +--rw add* [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id   non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range?   ui32-ctag-range
| | | | | | | +--rw remove* [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id   non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range?   ui32-ctag-range
| | | | x--rw default-vlan-config
| | | | | +--rw default-transparent-vlan?   non-dot1q-vlan-type
| | | | +--rw tag!
| | | | | +--rw native-vlan?   empty
| | | | +--rw native-vlan-classification
| | | | | +--rw native-vlan-id?   native-vlan-type
| | | | | x--rw native-vlan-ctag-id?   dot1q-vlan-type
| | | | x--rw native-vlan-xtagged-config
| | | | | +--rw native-vlan-id-xtagged?   vlan-type
| | | | | +--rw native-vlan-ctag-id-xtagged?   dot1q-vlan-type
| | | | | +--rw native-vlan-egress-type-xtagged?   enumeration
| | | | x--rw native-vlan-untagged-config

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| | | +---rw native-vlan-id-untagged?  vlan-type
| | +---rw bfd-software-session?      empty
| | +---rw ip
| | | +---rw source-guard
| | | | +---rw source-guard-enable?  empty
| | | +---rw ip-config:ip-config
| | | | +---rw ip-config:mtu?        ip-mtu
| | | | +---rw ip-config:directed-broadcast?  empty
| | | | +---rw ip-config:irdp?      empty
| | | | +---rw ip-config:proxy-arp?  empty
| | | | +---rw ip-config:arp
| | | | | +---rw ip-config:learn-any?  empty
| | | | +---rw ip-config:arp-aging-timeout?  uint32
| | | | +---rw ip-config:address* [address]
| | | | | +---rw ip-config:address      union
| | | | | +---rw ip-config:secondary?  empty
| | | | | +---rw ip-config:ospf-passive?  empty
| | | | | +---rw ip-config:ospf-ignore?  empty
| | | | +---rw ip-config:unnumbered
| | | | +---rw ip-config:ip-donor-interface-type?  ip-unnumbered-donor-
interface-type_t
| | | | +---rw ip-config:ip-donor-interface-name?  ip-unnumbered-donor-
interface-name_t
| | | +---rw dai:arp
| | | | +---rw dai:inspection
| | | | +---rw dai:trust?  empty
| | | | +---rw dai:filter
| | | | | +---rw dai:acl-name?  dai-acl-policy-name
| | | +---rw dhcp:interface-po-dhcp-conf
| | | | +---rw dhcp:dhcp
| | | | | +---rw dhcp:relay
| | | | | +---rw dhcp:servers* [relay-ip-addr server-vrf-name]
| | | | | | +---rw dhcp:relay-ip-addr      dhcp-ipv4-address
| | | | | | +---rw dhcp:server-vrf-name    common-def:vrf-name
| | | | | +---rw dhcp:gateway
| | | | | +---rw dhcp:gateway-address?    dhcp-ipv4-address
| | | | | +---rw dhcp:gw-intf-type?      dhcp-gateway-interface-type
| | | | | +---rw dhcp:gw-intf-name?      dhcp-gateway-interface-name
| | | +---rw dhcp:dhcp
| | | | +---rw dhcp:snooping
| | | | | +---rw dhcp:dhcp-snooping-trust?  empty
| | | +---rw icmp:icmp
| | | | +---rw icmp:rate-limiting?  uint32
| | | | +---rw icmp:echo-reply?    empty
| | | | +---rw icmp:redirect?      empty
| | | | +---rw icmp:unreachable?   empty
| | | +---rw isis:intf-router-isis
| | | | +---rw isis:int-router-isis
| | | | +---rw isis:interface-ip-router-isis?  empty
| | | +---rw ospf:interface-PO-ospf-conf
| | | | +---rw ospf:ospf1
| | | | | +---rw ospf:area?          ospf-area-id
| | | | | +---rw ospf:auth-change-wait-time?  common-def:time-interval-sec
| | | | | +---rw ospf:authentication-key
| | | | | | +---rw ospf:no-encrypt-auth-key-table
| | | | | | +---rw ospf:no-encrypt-auth-key?  ospf-auth-psswd-string
| | | | | | +---rw ospf:auth-key-table
| | | | | | +---rw ospf:encrypttype?  key-type
| | | | | | +---rw ospf:auth-key?    ospf-auth-psswd-string
| | | | | +---rw ospf:authentication
| | | | | | +---rw ospf:key-chain?  ospf-keychain-string
| | | | +---rw ospf:hello-interval?  common-def:time-interval-sec
| | | | +---rw ospf:dead-interval?   common-def:time-interval-sec
| | | | +---rw ospf:retransmit-interval?  common-def:time-interval-sec

```

```

| | | +--rw ospf:transmit-delay?          common-def:time-interval-sec
| | | +--rw ospf:md5-authentication
| | | | +--rw ospf:key-activation-wait-time?  common-def:time-interval-sec
| | | | +--rw ospf:no-encrypt-key-table
| | | | | +--rw ospf:no-encrypt-key-id?      uint32
| | | | | +--rw ospf:no-encrypt-key?        ospf-auth-psswd-string
| | | | +--rw ospf:key-table
| | | | | +--rw ospf:key-id?                uint32
| | | | | +--rw ospf:key?                  key-type
| | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
| | | +--rw ospf:cost?                    uint32
| | | +--rw ospf:network?                  enumeration
| | | +--rw ospf:intf-ldp-sync?            enumeration
| | | +--rw ospf:database-filter
| | | | +--rw ospf:all-out?                empty
| | | | +--rw ospf:all-external?           database-filter-options
| | | | +--rw ospf:all-summary-external?   database-filter-options
| | | +--rw ospf:mtu-ignore?              empty
| | | +--rw ospf:active?                  empty
| | | +--rw ospf:passive?                 empty
| | | +--rw ospf:priority?                uint32
| | | +--rw ospf:bfd
| | | | +--rw ospf:intf-bfd-enable?        empty
| | +--rw ipv6
| | | +--rw raguard?                      empty
| | | +--rw ipv6-config:ipv6-config
| | | | +--rw ipv6-config:address
| | | | | +--rw ipv6-config:use-link-local-only?  empty
| | | | | +--rw ipv6-config:link-local-config
| | | | | | +--rw ipv6-config:link-local-address?  inet:ipv6-address
| | | | | | +--rw ipv6-config:link-local?          empty
| | | | | +--rw ipv6-config:ipv6-address* [address]
| | | | | +--rw ipv6-config:address              union
| | | | | +--rw ipv6-config:secondary?          empty
| | | | | +--rw ipv6-config:eui-config
| | | | | | +--rw ipv6-config:eui64?              empty
| | | | | | +--rw ipv6-config:eui-secondary?      empty
| | | | | +--rw ipv6-config:anycast?             empty
| | | | +--rw ipv6-config:mtu?                  ip-mtu
| | | +--rw dhcpv6:interface-po-dhcp-conf
| | | | +--rw dhcpv6:dhcp
| | | | | +--rw dhcpv6:relay
| | | | | | +--rw dhcpv6:servers* [relay-ip-addr]
| | | | | | | +--rw dhcpv6:relay-ip-addr        dhcp-ipv6-address
| | | | | | | +--rw dhcpv6:server-vrf-name?     common-def:vrf-name
| | | | | | +--rw dhcpv6:interface
| | | | | | | +--rw dhcpv6:interface-type?      dhcpv6-iftype
| | | | | | | +--rw dhcpv6:interface-name?      dhcpv6-ifname
| | | | | +--rw dhcpv6:source-interface
| | | | | | +--rw dhcpv6:source-intf-type?      dhcpv6-relay-src-interface-type
| | | | | | +--rw dhcpv6:source-intf-name?      dhcpv6-src-ifname
| | | | | | +--rw dhcpv6:source-ip?             dhcp-ipv6-address
| | | +--rw icmp:icmpv6
| | | | +--rw icmp:rate-limiting?            uint32
| | | | +--rw icmp:echo-reply?               empty
| | | | +--rw icmp:redirect?                 empty
| | | | +--rw icmp:unreachable?              empty
| | | +--rw ipv6-access-list:access-group* [ipv6-access-list ip-direction]
| | | | +--rw ipv6-access-list:ipv6-access-list  ipv6-l3-acl-policy-name
| | | | +--rw ipv6-access-list:ip-direction      enumeration
| | | | +--rw ipv6-access-list:traffic-type?     enumeration
| | | +--rw ip-policy:policy
| | | | +--rw ip-policy:route-map
| | | | | +--rw ip-policy:ipv6-route-map-name?   common-def:name-string63

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| | | +--rw ipv6-nd-ra:ipv6-nd-ra
| | | | +--rw ipv6-nd-ra:ipv6-intf-cmds
| | | | +--rw ipv6-nd-ra:vrrp-suppress-interface-ra? empty
| | | | +--rw ipv6-nd-ra:nd
| | | | | +--rw ipv6-nd-ra:managed-config-flag? empty
| | | | | +--rw ipv6-nd-ra:other-config-flag? empty
| | | | | +--rw ipv6-nd-ra:broadcast-mac-trap? empty
| | | | | +--rw ipv6-nd-ra:ra-lifetime? common-def:time-interval-sec
| | | | | +--rw ipv6-nd-ra:reachable-time? common-def:time-interval-msec
| | | | | +--rw ipv6-nd-ra:mtu? uint32
| | | | | +--rw ipv6-nd-ra:retrans-timer? common-def:time-interval-msec
| | | | | +--rw ipv6-nd-ra:hoplimit? uint32
| | | | | +--rw ipv6-nd-ra:ns-interval? common-def:time-interval-sec
| | | | | +--rw ipv6-nd-ra:suppress-ra
| | | | | | +--rw ipv6-nd-ra:suppress-ra-flag? empty
| | | | | | +--rw ipv6-nd-ra:suppress-ra-mtu? empty
| | | | | | +--rw ipv6-nd-ra:suppress-ra-all? empty
| | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | +--rw ipv6-nd-ra:max-interval? common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:min? common-def:time-interval-sec
| | | | | +--rw ipv6-nd-ra:send-ra? empty
| | | | | +--rw ipv6-nd-ra:router-preference
| | | | | | +--rw ipv6-nd-ra:router-pref-high? empty
| | | | | | +--rw ipv6-nd-ra:router-pref-low? empty
| | | | | | +--rw ipv6-nd-ra:router-pref-medium? empty
| | | | | +--rw ipv6-nd-ra:ra-dns-server* [dns-server-prefix]
| | | | | | +--rw ipv6-nd-ra:dns-server-prefix inet:ipv6-
address
| | | | | | | +--rw ipv6-nd-ra:dns-server-lifetime-multiplier? uint32
| | | | | | +--rw ipv6-nd-ra:ra-domain-name* [domain-name-string]
| | | | | | | +--rw ipv6-nd-ra:domain-name-string string
| | | | | | | +--rw ipv6-nd-ra:domain-name-lifetime-multiplier? uint32
| | | | | | +--rw ipv6-nd-ra:address
| | | | | | | +--rw ipv6-nd-ra:suppressing-address* [suppress-ipv6-address]
| | | | | | | | +--rw ipv6-nd-ra:suppress-ipv6-address nd-suppress-ipv6-
address
| | | | | | | | | +--rw ipv6-nd-ra:suppress-per-address? empty
| | | | | | | | +--rw ipv6-nd-ra:address-suppress-all? empty
| | | | | | +--rw ipv6-nd-ra:dad
| | | | | | | +--rw ipv6-nd-ra:attempts? uint32
| | | | | | | +--rw ipv6-nd-ra:time? common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:cache
| | | | | | | +--rw ipv6-nd-ra:expire? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:cache-limit? uint32
| | | | | | +--rw ipv6-nd-ra:prefix* [prefix-ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | | | +--rw ipv6-nd-ra:lifetime
| | | | | | | | +--rw (ch-valid-type)?
| | | | | | | | | +--:(ca-no-advertise)
| | | | | | | | | +--rw ipv6-nd-ra:no-advertise? empty
| | | | | | | | | +--:(ca-valid-lifetime)
| | | | | | | | | | +--rw ipv6-nd-ra:valid-lifetime? common-def:time-
interval-sec
| | | | | | | | | | +--:(ca-valid-infinite)
| | | | | | | | | | +--rw ipv6-nd-ra:valid-infinite? empty
| | | | | | +--rw ipv6-nd-ra:preferred
| | | | | | | +--rw (ch-preferred-type)?
| | | | | | | | +--:(ca-preferred-lifetime)
| | | | | | | | | +--rw ipv6-nd-ra:preferred-lifetime? common-
def:time-interval-sec
| | | | | | | | | +--:(ca-preferred-infinite)
| | | | | | | | | +--rw ipv6-nd-ra:preferred-infinite? empty
| | | | | | +--rw ipv6-nd-ra:prefix-flags
| | | | | | +--rw ipv6-nd-ra:no-autoconfig? empty

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| | | | | +---rw ipv6-nd-ra:no-onlink? empty
| | | | | +---rw ipv6-nd-ra:off-link? empty
| | | | | +---rw ipv6-nd-ra:neighbor* [ipv6-address]
| | | | | +---rw ipv6-nd-ra:ipv6-address neighbor-ipv6-address
| | | | | +---rw ipv6-nd-ra:hardware-address? macAddr
| | | +---rw isis:intf-ipv6-router-isis
| | | | +---rw isis:int-ipv6-router-isis
| | | | +---rw isis:interface-ipv6-router-isis? empty
| | | +---rw ospfv3:interface-ospfv3-conf
| | | | +---rw ospfv3:interface-area? ospf:ospf-area-id
| | | | +---rw ospfv3:active? empty
| | | | +---rw ospfv3:passive? empty
| | | | +---rw ospfv3:bfd
| | | | | +---rw ospfv3:bfd-enable? empty
| | | | +---rw ospfv3:cost? uint32
| | | | +---rw ospfv3:instance? uint32
| | | | +---rw ospfv3:mtu-ignore? empty
| | | | +---rw ospfv3:network? enumeration
| | | | +---rw ospfv3:priority? uint32
| | | | +---rw ospfv3:suppress-linklsa? empty
| | | | +---rw ospfv3:authentication
| | | | | +---rw ospfv3:key-chain? string
| | | | | +---rw ospfv3:ipsec-auth-key-config
| | | | | | +---rw ospfv3:spi? spi-value-type
| | | | | | +---rw (ch-algorithm)?
| | | | | | | +---:(ca-ah-algorithm)
| | | | | | | | +---rw ospfv3:ah? algorithm-type-ah
| | | | | | | | | +---rw ospfv3:ah-key? ipsec-authentication-hexkey-string
| | | | | | | +---:(ca-esp-algorithm)
| | | | | | | | +---rw ospfv3:esp? algorithm-type-esp
| | | | | | | | +---rw ospfv3:esp-auth? algorithm-type-ah
| | | | | | | | +---rw ospfv3:esp-auth-key? ipsec-authentication-hexkey-string
| | | | +---rw ospfv3:ipsec
| | | | | +---rw ospfv3:ipsec-authentication-disable? empty
| | | | | +---rw ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec
| | | | +---rw ospfv3:link-interval-properties
| | | | | +---rw ospfv3:hello-interval? common-def:time-interval-sec
| | | | | +---rw ospfv3:dead-interval? common-def:time-interval-sec
| | | | | +---rw ospfv3:hello-jitter? uint32
| | | | | +---rw ospfv3:retransmit-interval? common-def:time-interval-sec
| | | | | +---rw ospfv3:transmit-delay? common-def:time-interval-sec
| | | +---rw pim:pim-intf-po-cont
| | | | +---rw pim:ipv6-pim-int-cmd
| | | | +---rw pim:pim-sparse? empty
| | | | +---rw pim:pim
| | | | | +---rw pim:neighbor-filter? ip-prefix-name-t
| | | | | +---rw pim:dr-priority? uint32
| | | | | +---rw pim:ttl-threshold? uint32
| | | | +---rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | | +---rw vrrpv3:vrrpv3-holder
| | | | +---rw vrrpv3:vrrpv3* [vrid]
| | | | | +---rw vrrpv3:vrid vrid-type
| | | | | +---rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | | +---rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | | +---rw vrrpv3:track
| | | | | | +---rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +---rw vrrpv3:interface-type track-ifttype
| | | | | | | +---rw vrrpv3:interface-name track-ifname
| | | | | | | +---rw vrrpv3:track-priority? uint8
| | | | | +---rw vrrpv3:advertisement-interval? uint32
| | | | | +---rw vrrpv3:enable? empty
| | | | | +---rw vrrpv3:hold-time? uint32
| | | | | +---rw vrrpv3:preempt-mode? empty

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| | | | +--rw vrrpv3:priority?                uint8
| | | | | +--rw vrrpv3:description?            string
| | | | +--rw vrrpv3:vrrpv3e* [vrid]
| | | | | +--rw vrrpv3:vrid                    vrid-type
| | | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | | +--rw vrrpv3:virtual-ipaddr      inet:ipv6-address
| | | | | +--rw vrrpv3:track
| | | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +--rw vrrpv3:interface-type    track-ifttype
| | | | | | | +--rw vrrpv3:interface-name    track-ifname
| | | | | | | +--rw vrrpv3:track-priority?   uint8
| | | | | +--rw vrrpv3:enable?                empty
| | | | | +--rw vrrpv3:hold-time?              uint32
| | | | | +--rw vrrpv3:preempt-mode?          empty
| | | | | +--rw vrrpv3:priority?              uint8
| | | | | +--rw vrrpv3:description?          string
| | | | | +--rw vrrpv3:advertise-backup?      empty
| | | | | +--rw vrrpv3:nd-advertisement-timer? uint32
| | | | | +--rw vrrpv3:advertisement-interval-scale? uint32
| | | | | +--rw vrrpv3:backup-advertisement-interval? uint32
| | | | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32
| | | | | +--rw vrrpv3:short-path-forwarding
| | | | | | +--rw vrrpv3:basic?                empty
| | | | | | +--rw vrrpv3:revert-priority?     uint8
| | | +--rw snmp
| | | | +--rw trap
| | | | | +--rw link-status
| | | | | | +--rw snmp-link-disable?    empty
| | | +--rw track
| | | | +--rw track_enable?    empty
| | | | +--rw min-link?        uint32
| | | | +--rw interface* [track-interface-type track-interface-name]
| | | | | +--rw track-interface-type    enumeration
| | | | | | +--rw track-interface-name    string
| | | | +--rw remove
| | | | | +--rw remove-all-track-interfaces?    empty
| | | +--rw bfd
| | | | +--rw interval
| | | | | +--rw min-tx?        bfd-tx-interval-type
| | | | | | +--rw min-rx?        bfd-rx-interval-type
| | | | | | +--rw multiplier?    bfd-multiplier-type
| | | | | +--rw bfd-shutdown?    empty
| | | +--rw edge-loop-detection-native
| | | | +--rw loop-detection-native?    empty
| | | +--rw edge-loop-detection
| | | | +--rw eldprio?                uint32
| | | | | +--rw eldshutdown-disable?    empty
| | | | | +--rw eldvlan?                ui32-vlan-range
| | | +--rw priority-tag-enable?          empty
| | | +--rw load-balance?                  enumeration
| | | +--rw load-balance-type?              enumeration
| | | +--rw endpoint-tracking
| | | | +--rw endpoint-tracking-enable?    empty
| | | | +--rw timeout
| | | | | +--rw reauth-period?    uint32
| | | +--rw bpdu-drop-enable?              empty
| | | +--rw core-isolation-track?          empty
| | | +--rw ethernet-segment!
| | | | +--rw lacp
| | | | | +--rw system-id?    string
| | | | | +--rw auto?          empty
| | | | +--rw esi?              union
| | | | | +--rw load-balance-mode?    enumeration
| | | +--rw mac-access-list:mac

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| | | +--rw mac-access-list:access-group* [mac-access-list mac-direction]
| | |   +--rw mac-access-list:mac-access-list      mac-acl-name
| | |   +--rw mac-access-list:mac-direction        enumeration
| | |   +--rw mac-access-list:traffic-type?        enumeration
| | +--rw lif:logical-interface
| | |   +--rw lif:port-channel* [pc-instance-id]
| | |     +--rw lif:pc-instance-id                lif-port-channel-type
| | |     +--rw lif:shutdown?                     empty
| | |     +--rw lif:name?                         string
| | |     +--rw lif:untagged
| | |       | +--rw lif:untagged-vlan
| | |       |   +--rw lif:untagged-vlan-id?      uint32
| | |     +--rw lif:tagged-outer-vlan
| | |       +--rw lif:outer-tagged-vlan-id?      uint32
| | |       +--rw lif:inner-tagged-vlan-id?      uint32
| | +--rw qos-mls:storm-control
| | |   +--rw qos-mls:ingress* [protocol-type]
| | |     +--rw qos-mls:protocol-type            enumeration
| | |     +--rw qos-mls:rate-format?              enumeration
| | |     +--rw qos-mls:rate-bps?                 rate-limit-bps-type
| | |     +--rw qos-mls:rate-percent?             rate-limit-percentage-type
| | |     +--rw qos-mls:bum-action?               enumeration
| | +--rw qos-mls:qos
| | |   +--rw qos-mls:default-cos?                cos-id-type
| | |   +--rw qos-mls:default-tc?                 traffic-class-id-type
| | |   +--rw qos-mls:trust
| | |     | +--rw qos-mls:trust-cos?              empty
| | |     | +--rw qos-mls:trust-dscp?             empty
| | |   +--rw qos-mls:cos-mutation?               map-name-type
| | |   +--rw qos-mls:cos-mutation-builtin
| | |     | +--rw qos-mls:map-name?               builtin-map-name-type
| | |   +--rw qos-mls:traffic-class-cos?          map-name-type
| | |   +--rw qos-mls:traffic-class-cos-builtin
| | |     | +--rw qos-mls:map-name?               builtin-map-name-type
| | |   +--rw qos-mls:cos-traffic-class?          map-name-type
| | |   +--rw qos-mls:cos-traffic-class-builtin
| | |     | +--rw qos-mls:map-name?               builtin-map-name-type
| | |   +--rw qos-mls:traffic-class-dscp?         map-name-type
| | |   +--rw qos-mls:traffic-class-dscp-builtin
| | |     | +--rw qos-mls:map-name?               builtin-map-name-type
| | |   +--rw qos-mls:dscp-mutation?              map-name-type
| | |   +--rw qos-mls:dscp-mutation-builtin
| | |     | +--rw qos-mls:map-name?               builtin-map-name-type
| | |   +--rw qos-mls:dscp-traffic-class?         map-name-type
| | |   +--rw qos-mls:dscp-traffic-class-builtin
| | |     | +--rw qos-mls:map-name?               builtin-map-name-type
| | |   +--rw qos-mls:dscp-cos?                   map-name-type
| | |   +--rw qos-mls:dscp-cos-builtin
| | |     | +--rw qos-mls:map-name?               builtin-map-name-type
| | |   +--rw qos-mls:random-detect
| | |     | +--rw qos-mls:traffic-class* [red-tc-value red-dp-value]
| | |       +--rw qos-mls:red-tc-value            traffic-class-id-type
| | |       +--rw qos-mls:red-dp-value            drop-precedence-id-type
| | |       +--rw qos-mls:red-profile-id?         red-profile-id-type
| | |   +--rw qos-mls:drop-monitor
| | |     | +--rw qos-mls:drop-monitor-enable?    empty
| | |   +--rw qos-mls:port-speed-up?              uint32
| | +--rw qos-mls:flowcontrol
| | |   +--rw qos-mls:link-level-flowcontrol
| | |     | +--rw qos-mls:flowcontrol-tx?         enumeration
| | |     | +--rw qos-mls:flowcontrol-rx?         enumeration
| | |   +--rw qos-mls:pfc* [pfc-cos]
| | |     | +--rw qos-mls:pfc-cos                 cos-id-type
| | |     | +--rw qos-mls:pfc-flowcontrol-tx      enumeration

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| | | | | +--rw qos-mls:pfc-flowcontrol-rx      enumeration
| | | | | +--rw qos-mls:threshold
| | | | | | +--rw qos-mls:threshold-tx-on?      flowcontrol-threshold-type
| | | | | | +--rw qos-mls:threshold-tx-off?    flowcontrol-threshold-type
| | | | | +--rw qos-mls:pfc-threshold
| | | | | | +--rw qos-mls:threshold
| | | | | | | +--rw qos-mls:pfc* [pfc-threshold-cos]
| | | | | | | +--rw qos-mls:pfc-threshold-cos    cos-id-type
| | | | | | | +--rw qos-mls:pfc-threshold-tx-on?  flowcontrol-threshold-type
| | | | | | | +--rw qos-mls:pfc-threshold-tx-off? flowcontrol-threshold-type
| | | | +--rw qos-mls:remark
| | | | | +--rw qos-mls:remark-dscp?    empty
| | +--rw sflow:sflow
| | | +--rw sflow:enable?              empty
| | | +--rw sflow:polling-interval?    uint32
| | | +--rw sflow:sample-rate?        uint32
| | +--rw qos-mqc:service-policy
| | | +--rw qos-mqc:in?                map-name-type
| | | +--rw qos-mqc:out?               map-name-type
| | +--rw ip-access-list:ip-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | | +--rw ip-access-list:ip-access-list    13-acl-policy-name
| | | | | +--rw ip-access-list:ip-direction      enumeration
| | | | | +--rw ip-access-list:traffic-type?     enumeration
| | | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | | | +--rw ip-access-list:ip
| | | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | | | +--rw ip-access-list:ip-access-list    13-acl-policy-name
| | +--rw ip-policy:ip-pbr-interface
| | | +--rw ip-policy:ip
| | | | +--rw ip-policy:policy
| | | | | +--rw ip-policy:route-map
| | | | | | +--rw ip-policy:route-map-name?      common-def:name-string63
| | +--rw isis:intf-isis!
| | | +--rw isis:interface-isis
| | | | +--rw isis:auth-check
| | | | | +--rw isis:auth-check-level1
| | | | | | +--rw isis:interface-auth-check-level1-disable?    empty
| | | | | | +--rw isis:auth-check-level2
| | | | | | | +--rw isis:interface-auth-check-level2-disable?  empty
| | | | +--rw isis:interface-reverse-metric!
| | | | | +--rw isis:rev-metric-common-attributes
| | | | | | +--rw isis:rev-metric-val?                uint32
| | | | | | +--rw isis:rev-metric-whole-lan?          empty
| | | | | | +--rw isis:rev-metric-te-def-metric?      empty
| | | | +--rw isis:interface-auth-mode
| | | | | +--rw isis:interface-md5
| | | | | | +--rw isis:interface-auth-mode-md5-level1?    empty
| | | | | | +--rw isis:interface-auth-mode-md5-level2?    empty
| | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | +--rw isis:interface-auth-key-level      enumeration
| | | | | | +--rw isis:interface-auth-key-str?      string
| | | | +--rw isis:interface-hello
| | | | | +--rw isis:interface-hello-padding
| | | | | | +--rw isis:interface-hello-padding-disable?    empty
| | | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | | +--rw isis:interface-hello-interval-level  enumeration
| | | | | | +--rw isis:interface-hello-interval-val?    uint32
| | | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
| | | | | +--rw isis:interface-hello-multiplier-level  enumeration
| | | | | | +--rw isis:interface-hello-multiplier-val?    uint32
| | | | +--rw isis:circuit-type?                enumeration
| | | +--rw isis:interface-ipv6

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| | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | | +--rw isis:interface-metric* [interface-metric-level]
| | | | | +--rw isis:interface-metric-level enumeration
| | | | | +--rw isis:interface-metric-val? uint32
| | | | +--rw isis:interface-point-to-point? empty
| | | | +--rw isis:interface-passive? empty
| | | | +--rw isis:interface-priority
| | | | | +--rw isis:interface-priority-level1? uint32
| | | | | +--rw isis:interface-priority-level2? uint32
| | | | +--rw isis:interface-bfd
| | | | | +--rw isis:interface-bfd-enable? empty
| | | | +--rw isis:interface-ldp-sync? enumeration
| | | | +--rw isis:segment-routing
| | | | | +--rw isis:interface-segment-routing-disable? empty
| | | | +--rw isis:segment-routing-prefix-sid
| | | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw lacp-pdu-forward:lacp-pdu-forward
| | | +--rw lacp-pdu-forward:enable? empty
| | +--rw vrrp:vrrp* [vrid version]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:version uint8
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-iftype
| | | | | +--rw vrrp:interface-name track-ifname
| | | | | +--rw vrrp:track-priority? uint8
| | | | +--rw vrrp:advertisement-interval? uint32
| | | | +--rw vrrp:enable? empty
| | | | +--rw vrrp:hold-time? uint32
| | | | +--rw vrrp:preempt-mode? empty
| | | +--rw vrrp:arp
| | | | +--rw vrrp:unicast-request
| | | | | +--rw vrrp:receive? empty
| | | | +--rw vrrp:priority? uint8
| | | | +--rw vrrp:description? string
| | +--rw vrrp:vrrp-e* [vrid]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-iftype
| | | | | +--rw vrrp:interface-name track-ifname
| | | | | +--rw vrrp:track-priority? uint8
| | | | +--rw vrrp:advertisement-interval? uint32
| | | | +--rw vrrp:enable? empty
| | | | +--rw vrrp:hold-time? uint32
| | | | +--rw vrrp:preempt-mode? empty
| | | +--rw vrrp:arp
| | | | +--rw vrrp:unicast-request
| | | | | +--rw vrrp:receive? empty
| | | | +--rw vrrp:priority? uint8
| | | | +--rw vrrp:description? string
| | +--rw mct:cluster-client
| | | +--rw mct:client-id? mct-po-client-id-type
| | +--rw mct:cluster-track
| | | +--rw mct:cluster-track-flag? empty
| | +--rw mvrp:mvrp-intf
| | | +--rw mvrp:intf-enable? empty
| | | +--rw mvrp:applicant-mode? applicant-state-type

```

```

| | | +--rw mvrp:registration-mode
| | | | +--rw mvrp:forbidden
| | | | | +--rw mvrp:vlan
| | | | | | +--rw mvrp:add? member-vlan-id
| | | | | | +--rw mvrp:remove? member-vlan-id
| | | +--rw mvrp:timer
| | | | +--rw mvrp:join? uint32
| | | | +--rw mvrp:leave? uint32
| | | | +--rw mvrp:leave-all? uint32
| | +--rw openflow:openflowPo
| | | +--rw openflow:enablePoMode
| | | | +--rw openflow:modeTypePo? enumeration
| | +--rw uda-access-list:uda
| | | +--rw uda-access-list:access-group* [uda-access-list uda-direction]
| | | | +--rw uda-access-list:uda-access-list uda-acl-name
| | | | | +--rw uda-access-list:uda-direction enumeration
| | | | +--rw uda-access-list:policy
| | | | | +--rw uda-access-list:route-map? route-map-type
| | +--rw uda-access-list:offsets-container
| | | +--rw uda-access-list:offsets? uda-profile-name
| +--rw xstp:spanning-tree
| | +--rw xstp:autoedge? empty
| | +--rw xstp:cost? uint32
| | +--rw xstp:portfast
| | | +--rw xstp:portfastbasic? empty
| | | +--rw xstp:bpdu-guard? empty
| | +--rw xstp:edgeport
| | | +--rw xstp:edgeportbasic? empty
| | | +--rw xstp:bpdu-guard? empty
| | +--rw xstp:guard
| | | +--rw xstp:root? empty
| | +--rw xstp:bpdu-mac? enumeration
| | +--rw xstp:link-type? enumeration
| | +--rw xstp:priority? uint32
| | +--rw xstp:restricted-role? empty
| | +--rw xstp:restricted-tcn? empty
| | +--rw xstp:shutdown? empty
| | +--rw xstp:vlan* [id]
| | | +--rw xstp:id uint32
| | | +--rw xstp:cost? uint32
| | | +--rw xstp:priority? uint32
| | | +--rw xstp:guard
| | | | +--rw xstp:root? empty
| | +--rw xstp:instance* [id]
| | | +--rw xstp:id mstp-instance-type
| | | +--rw xstp:cost? uint32
| | | +--rw xstp:priority? uint32
| | | +--rw xstp:restricted-role? empty
| | | +--rw xstp:restricted-tcn? empty
| +--rw management* [name]
| | +--rw name standalone-man-interface-type
| | +--rw tcp
| | | +--rw tcp_burstrate? uint32
| | | +--rw tcp_lockdown? uint32
| | +--rw ip
| | | +--rw icmp
| | | | +--rw unreachable? empty
| | | | +--rw echo_reply? empty
| | | | +--rw rate_limiting? uint32
| | | +--rw address
| | | | +--rw dhcp? empty
| | | | +--rw ip-address? common-def:ipv4-address-prefix-type
| | | +--rw gateway
| | | | +--rw gateway-address? inet:ipv4-address

```

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| | | +--rw oper-address
| | | | +--ro oper-ip-address?    common-def:ipv4-address-prefix-type
| | | +--rw oper-gateway-con
| | | | +--ro oper-gateway?    inet:ipv4-address
| | | +--rw ip-access-list:access-group
| | | | +--rw ip-access-list:mgmt-ip-access-list?    l3-acl-policy-name
| | | | +--rw ip-access-list:mgmt-ip-direction?    enumeration
| | +--rw ipv6
| | | +--rw icmpv6
| | | | +--rw v6_unreachable?    empty
| | | | +--rw v6_echo_reply?    empty
| | | | +--rw v6_rate_limiting?    uint32
| | | +--rw ipv6-address-cont
| | | | +--rw ipv6-global-cont
| | | | | +--rw ipv6-global-address?    common-def:ipv6-address-prefix
| | | | | +--rw ipv6-global-address-eui64?    empty
| | | | +--rw autoconfig?    empty
| | | | +--rw dhcpv6?    empty
| | | +--ro ipv6-address*    string
| | | +--ro ipv6-gateways*    string
| | | +--rw ipv6-access-list:access-group
| | | | +--rw ipv6-access-list:mgmt-ipv6-access-list?    ipv6-l3-acl-policy-name
| | | | +--rw ipv6-access-list:mgmt-ip-direction?    enumeration
| | +--rw vrf
| | | +--rw vrf-forwarding?    common-def:vrf-name
| | +--rw speed?    enumeration
| | +--rw line-speed
| | | +--ro actual?    string
| | | +--ro configured?    string
| | +--rw shutdown_management?    empty
| | +--ro shutdown_management_oper?    string
| | +--rw redundant
| | | +--rw management
| | | | +--ro redundant-management-port?    string
| | +--ro rmeinfo?    string
+--rw gre-vxlan:tunnel* [identifier]
| +--rw gre-vxlan:identifier    uint32
| +--rw gre-vxlan:mode
| | +--rw gre-vxlan:gre
| | | +--rw gre-vxlan:ip?    empty
+--rw gre-vxlan:gre-source
| +--rw (source-cmd)?
| | +--:(ca-source-address)
| | | +--rw gre-vxlan:source-address?    inet:ipv4-address
| | +--:(ca-interface-loopback)
| | | +--rw gre-vxlan:interface-loopback?    lo:intf-loopback-port-type
| | +--:(ca-interface-ethernet)
| | | +--rw gre-vxlan:interface-ethernet?    interface:interface-type
| | +--:(ca-interface-ve)
| | | +--rw gre-vxlan:interface-ve?    uint32
+--rw gre-vxlan:tunnel-destination?    inet:ipv4-address
+--rw gre-vxlan:tunnel-shutdown?    empty
+--rw gre-vxlan:tunnel-router-interface
| +--rw gre-vxlan:router-ve?    uint32
+--rw gre-vxlan:gre-ttl?    uint32
+--rw gre-vxlan:gre-dscp?    uint32
+--rw gre-vxlan:tunnel-name?    string
+--rw gre-vxlan:dscp-ttl-mode?    enumeration
+--rw gre-vxlan:statistics?    empty
+--rw gre-vxlan:keepalive
| +--rw gre-vxlan:time-interval?    uint32
| +--rw gre-vxlan:retry-count?    uint32
+--rw interface-vlan
| +--rw interface

```

```

|   +--rw vlan* [name]
|   |   +--rw name                               vlan-type
|   |   +--rw mac-learning
|   |   |   +--rw mac-learning-disable?    empty
|   |   +--rw statistics?                  empty
|   |   +--rw statistics-sync?             empty
|   |   +--rw loop-detection?              empty
|   |   +--rw loop-detection-shutdown-disable? empty
|   |   +--rw router-interface
|   |   |   +--rw ve-config?    ve-type
|   |   +--ro ifindex?          uint64
|   |   +--rw description?      string
|   |   +--rw vlan-name?        string
|   |   +--rw ip
|   |   |   +--rw dai:arp
|   |   |   |   +--rw dai:inspection
|   |   |   |   |   +--rw dai:trust?    empty
|   |   |   |   |   +--rw dai:filter
|   |   |   |   |   |   +--rw dai:acl-name?    dai-acl-policy-name
|   |   |   +--rw dhcp:dhcp
|   |   |   |   +--rw dhcp:snooping
|   |   |   |   |   +--rw dhcp:vlan-dhcp-snooping-enable?    empty
|   |   |   +--rw igmp-snooping:igmpPIM
|   |   |   |   +--rw igmp-snooping:snooping
|   |   |   |   |   +--rw igmp-snooping:vlan-pimv4-enable?    empty
|   |   |   +--rw igmp-snooping:igmpVlan
|   |   |   |   +--rw igmp-snooping:snooping
|   |   |   |   |   +--rw igmp-snooping:igmps-version?        igmps-version-
type
|   |   |   |   |   |   +--rw igmp-snooping:igmps-last-member-query-interval?    lmqt-type
|   |   |   |   |   |   +--rw igmp-snooping:igmps-query-max-response-time?        qmrt-type
|   |   |   |   |   |   +--rw igmp-snooping:igmps-query-interval?                qi-type
|   |   |   |   |   |   +--rw igmp-snooping:igmps-enable?                      empty
|   |   |   |   |   |   +--rw igmp-snooping:igmps-fast-leave?                  empty
|   |   |   |   |   |   +--rw igmp-snooping:restrict-unknown-multicast?          empty
|   |   |   |   |   |   +--rw igmp-snooping:igmps-querier
|   |   |   |   |   |   |   +--rw igmp-snooping:igmps-qenable?    empty
|   |   |   |   |   +--rw igmp-snooping:igmps_mrouter
|   |   |   |   |   |   +--rw igmp-snooping:igmps-interface* [igmps-if-type igmps-value]
|   |   |   |   |   |   |   +--rw igmp-snooping:igmps-if-type    enumeration
|   |   |   |   |   |   |   +--rw igmp-snooping:igmps-value      string-type
|   |   |   |   |   +--rw igmp-snooping:igmps_static-group* [igmps-mcast-address igmps-
interface igmps-if-type igmps-value]
|   |   |   |   |   |   +--rw igmp-snooping:igmps-mcast-address    inet:ipv4-address
|   |   |   |   |   |   +--rw igmp-snooping:igmps-interface        enumeration
|   |   |   |   |   |   +--rw igmp-snooping:igmps-if-type          enumeration
|   |   |   |   |   |   +--rw igmp-snooping:igmps-value            string-type
|   |   +--rw ipv6
|   |   |   +--rw mld-snooping:mldPIM
|   |   |   |   +--rw mld-snooping:snooping
|   |   |   |   |   +--rw mld-snooping:vlan-pimv6-enable?    empty
|   |   |   +--rw mld-snooping:mldVlan
|   |   |   |   +--rw mld-snooping:snooping
|   |   |   |   |   +--rw mld-snooping:last-member-query-interval?    lmqt-type
|   |   |   |   |   +--rw mld-snooping:query-max-response-time?        qmrt-type
|   |   |   |   |   +--rw mld-snooping:query-interval?                qi-type
|   |   |   |   |   +--rw mld-snooping:mldVersion?                  version-type
|   |   |   |   |   +--rw mld-snooping:enable?                      empty
|   |   |   |   |   +--rw mld-snooping:fast-leave?                  empty
|   |   |   |   |   +--rw mld-snooping:querier
|   |   |   |   |   |   +--rw mld-snooping:qenable?    empty
|   |   |   |   |   +--rw mld-snooping:mrouter
|   |   |   |   |   |   +--rw mld-snooping:interface* [if-type value]
|   |   |   |   |   |   |   +--rw mld-snooping:if-type    enumeration

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| | | +--rw mld-snooping:value string-type
| | +--rw mld-snooping:static-group* [mcast-address interface if-type value]
| | +--rw mld-snooping:mcast-address inet:ipv6-address
| | +--rw mld-snooping:interface enumeration
| | +--rw mld-snooping:if-type enumeration
| | +--rw mld-snooping:value string-type
| +--rw mac-access-list:mac
| | +--rw mac-access-list:access-group* [mac-access-list mac-direction]
| | +--rw mac-access-list:mac-access-list mac-acl-name
| | +--rw mac-access-list:mac-direction enumeration
| | +--rw mac-access-list:traffic-type? enumeration
| +--rw arp:suppress-arp
| | +--rw arp:suppress-arp-enable? empty
| +--rw span:remote-span? empty
| +--rw ipv6-nd-ra:suppress-nd
| | +--rw ipv6-nd-ra:suppress-nd-enable? empty
| +--rw xstp:spanning-tree
| | +--rw xstp:stp-shutdown? empty
+--rw protocol
| +--rw dot3ah:link-oam!
| | +--rw dot3ah:shutdown? empty
| | +--rw dot3ah:pdu-rate? uint32
| | +--rw dot3ah:time-out? uint32
| +--rw eld:edge-loop-detection!
| | +--rw eld:pdu-rx-limit? uint32
| | +--rw eld:hello-interval? uint32
| | +--rw eld:shutdown-time? uint32
| | +--rw eld:raslog-duration? uint32
| +--rw lldp:lldp!
| | +--rw lldp:description? string
| | +--rw lldp:hello? uint32
| | +--rw lldp:mode? enumeration
| | +--rw lldp:multipplier? uint32
| | +--rw lldp:advertise
| | | +--rw lldp:dot1-tlv? empty
| | | +--rw lldp:dot3-tlv? empty
| | | +--rw lldp:bgp-auto-nbr-tlv? empty
| | | +--rw lldp:optional-tlv
| | | | +--rw lldp:management-address? empty
| | | | +--rw lldp:port-description? empty
| | | | +--rw lldp:system-capabilities? empty
| | | | +--rw lldp:adv-tlv-system-description? empty
| | | | +--rw lldp:adv-tlv-system-name? empty
| | +--rw lldp:system-name? string
| | +--rw lldp:system-description? string
| | +--rw lldp:disable? empty
| | +--rw lldp:profile* [profile-name]
| | | +--rw lldp:profile-name string
| | | +--rw lldp:description? string
| | | +--rw lldp:hello? uint32
| | | +--rw lldp:mode? enumeration
| | | +--rw lldp:multipplier? uint32
| | +--rw lldp:advertise
| | | +--rw lldp:dot1-tlv? empty
| | | +--rw lldp:dot3-tlv? empty
| | | +--rw lldp:bgp-auto-nbr-tlv? empty
| | | +--rw lldp:optional-tlv
| | | | +--rw lldp:management-address? empty
| | | | +--rw lldp:port-description? empty
| | | | +--rw lldp:system-capabilities? empty
| | | | +--rw lldp:adv-tlv-system-description? empty
| | | | +--rw lldp:adv-tlv-system-name? empty
| +--rw mvrp:mvrp-global!
| | +--rw mvrp:timer

```

```

| | +--rw mvrp:join?          uint32
| | +--rw mvrp:leave?         uint32
| | +--rw mvrp:leave-all?    uint32
| +--rw udld:udld!
| | +--rw udld:hello?         uint32
| | +--rw udld:multiplier?    uint32
| | +--rw udld:shutdown?      empty
| +--rw xstp:spanning-tree
| | +--rw xstp:stp!
| | | +--rw xstp:timer-config
| | | | +--rw xstp:hello-time?    uint32
| | | | +--rw xstp:forward-delay? uint32
| | | | +--rw xstp:max-age?       uint32
| | | +--rw xstp:description?    string
| | | +--rw xstp:bridge-priority? uint32
| | | +--rw xstp:error-disable-timeout
| | | | +--rw xstp:enable?        empty
| | | | +--rw xstp:interval?     uint32
| | | +--rw xstp:port-channel
| | | | +--rw xstp:path-cost?     enumeration
| | | +--rw xstp:shutdown?        empty
| +--rw xstp:rstp!
| | +--rw xstp:timer-config
| | | +--rw xstp:hello-time?    uint32
| | | +--rw xstp:forward-delay? uint32
| | | +--rw xstp:max-age?       uint32
| | | +--rw xstp:description?    string
| | | +--rw xstp:bridge-priority? uint32
| | | +--rw xstp:error-disable-timeout
| | | | +--rw xstp:enable?        empty
| | | | +--rw xstp:interval?     uint32
| | | +--rw xstp:port-channel
| | | | +--rw xstp:path-cost?     enumeration
| | | +--rw xstp:shutdown?        empty
| | | +--rw xstp:transmit-holdcount? uint32
| +--rw xstp:pvst!
| | +--rw xstp:timer-config
| | | +--rw xstp:hello-time?    uint32
| | | +--rw xstp:forward-delay? uint32
| | | +--rw xstp:max-age?       uint32
| | | +--rw xstp:description?    string
| | | +--rw xstp:bridge-priority? uint32
| | | +--rw xstp:error-disable-timeout
| | | | +--rw xstp:enable?        empty
| | | | +--rw xstp:interval?     uint32
| | | +--rw xstp:port-channel
| | | | +--rw xstp:path-cost?     enumeration
| | | +--rw xstp:shutdown?        empty
| | +--rw xstp:vlan* [id]
| | | +--rw xstp:id              uint32
| | | +--rw xstp:priority?       uint32
| | | +--rw xstp:timer-config
| | | | +--rw xstp:hello-time?    uint32
| | | | +--rw xstp:forward-delay? uint32
| | | | +--rw xstp:max-age?       uint32
| +--rw xstp:rpvst!
| | +--rw xstp:timer-config
| | | +--rw xstp:hello-time?    uint32
| | | +--rw xstp:forward-delay? uint32
| | | +--rw xstp:max-age?       uint32
| | | +--rw xstp:description?    string
| | | +--rw xstp:bridge-priority? uint32
| | | +--rw xstp:error-disable-timeout
| | | | +--rw xstp:enable?        empty

```

```

| | | +--rw xstp:interval?    uint32
| | +--rw xstp:port-channel
| | | +--rw xstp:path-cost?    enumeration
| | +--rw xstp:shutdown?      empty
| | +--rw xstp:vlan* [id]
| | | +--rw xstp:id            uint32
| | | +--rw xstp:priority?     uint32
| | | +--rw xstp:timer-config
| | | | +--rw xstp:hello-time?  uint32
| | | | +--rw xstp:forward-delay? uint32
| | | | +--rw xstp:max-age?     uint32
| | +--rw xstp:transmit-holdcount? uint32
| +--rw xstp:mstp!
| | +--rw xstp:timer-config
| | | +--rw xstp:hello-time?    uint32
| | | +--rw xstp:forward-delay? uint32
| | | +--rw xstp:max-age?      uint32
| | +--rw xstp:description?    string
| | +--rw xstp:bridge-priority? uint32
| | +--rw xstp:error-disable-timeout
| | | +--rw xstp:enable?      empty
| | | +--rw xstp:interval?    uint32
| | +--rw xstp:port-channel
| | | +--rw xstp:path-cost?    enumeration
| | +--rw xstp:shutdown?      empty
| | +--rw xstp:cisco-interoperability? enumeration
| | +--rw xstp:instance* [id]
| | | +--rw xstp:id            mstp-instance-type
| | | +--rw xstp:vlan?         xstp-ui32-vlan-range
| | | +--rw xstp:priority?     uint32
| | +--rw xstp:region?        string
| | +--rw xstp:revision?      uint16
| | +--rw xstp:max-hops?      uint32
| | +--rw xstp:transmit-holdcount? uint32
+--rw global-mtu-conf
| +--rw global-l2-mtu?        mtu-type
| +--rw global-l2-bpdu?      empty
| +--rw global-reload-delay?  reload-delay-type
| +--rw ingress-vlan-mapped-ve-counter? empty
+--rw tunneled-arp-trap
| +--rw tunneled-arp-trap-enable? empty
+--rw ip-config:ip
| +--rw ip-config:global-ip-mtu? ip-mtu
| +--rw ip-config:option
| | +--rw ip-config:option-disable? empty
| | +--rw control-plane:ip-option-disable-cpu? empty
| +--rw ip-config:icmp-fragment
| | +--rw ip-config:icmp-fragment-enable? empty
| +--rw ip-config:arp
| | +--rw ip-config:gratuitous
| | +--rw ip-config:garp-none? empty
+--rw ipv6-config:ipv6
| +--rw ipv6-config:global-ipv6-mtu? ip-mtu

```

brocade-interface-ext

Provides a data model extension to the brocade-interface module for defining RPCs to retrieve interface-related operational data in the managed device.

RPCs

```

module: brocade-interface-ext
rpcs:
  +---x set-interface-admin-status
  |   +---w input
  |   |   +---w interface* [interface-name]
  |   |   |   +---w interface-name      string
  |   |   +---w admin-state?    intf-admin-status
  |   +--ro output
  |   |   +--ro interface-status* [interface-name]
  |   |   |   +--ro interface-name      string
  |   |   |   +--ro admin-state-status?  intf-admin-state-update-status
  |   |   |   +--ro oper-state-status?   intf-oper-state-update-status
  |   |   +--ro overall-status?         overall-operation-status
  +---x get-vlan-brief
  |   +---w input
  |   |   +---w (request-type)?
  |   |   |   +---:(get-request)
  |   |   |   |   +---w vlan-id?          interface:vlan-type
  |   |   |   +---:(get-next-request)
  |   |   |   |   +---w last-rcvd-vlan-id?  interface:vlan-type
  |   +--ro output
  |   |   +--ro configured-vlans-count?    uint32
  |   |   +--ro provisioned-vlans-count?   uint32
  |   |   +--ro unprovisioned-vlans-count? uint32
  |   |   +--ro vlan* [vlan-id]
  |   |   |   +--ro vlan-id          interface:vlan-type
  |   |   |   +--ro vlan-type?       enumeration
  |   |   |   +--ro vlan-name?       string
  |   |   |   +--ro ve-interface?    interface:ve-type
  |   |   |   +--ro vlan-state?       enumeration
  |   |   |   +--ro interface* [interface-type interface-name]
  |   |   |   |   +--ro interface-type enumeration
  |   |   |   |   +--ro interface-name union
  |   |   |   |   +--ro tag?          enumeration
  |   |   |   |   +--ro classification* [classification-type classification-value]
  |   |   |   |   |   +--ro classification-type enumeration
  |   |   |   |   |   +--ro classification-value string
  |   |   |   +--ro last-vlan-id?     interface:vlan-type
  |   |   |   +--ro has-more?         boolean
  +---x get-interface-switchport
  |   +---w input
  |   |   +---w (request-type)?
  |   |   |   +---:(get-next-request)
  |   |   |   +---w last-received-interface
  |   |   |   |   +---w interface-type? enumeration
  |   |   |   |   +---w interface-name? union
  |   +--ro output
  |   |   +--ro switchport* [interface-type interface-name]
  |   |   |   +--ro interface-type enumeration
  |   |   |   +--ro interface-name union
  |   |   |   +--ro mode?          interface:switchport-mode-type
  |   |   |   +--ro ingress-filter-enabled? boolean
  |   |   |   +--ro acceptable-frame-type? enumeration
  |   |   |   +--ro default-vlan?   interface:vlan-type
  |   |   +--ro active-vlans

```

```

| | | +--ro vlanid*   interface:vlan-type
| | +--ro inactive-vlans
| | | +--ro vlanid*   interface:vlan-type
| | +--ro has-more?   boolean
+---x get-ip-interface
| +---w input
| | +---w (request-type)?
| | | +---:(get-request)
| | | | +---w interface-type?      enumeration
| | | | +---w interface-name?      union
| | | +---:(get-next-request)
| | | | +---w last-received-interface
| | | | +---w interface-type?      enumeration
| | | | +---w interface-name?      union
| +--ro output
| | +--ro interface* [interface-type interface-name]
| | | +--ro interface-type      enumeration
| | | +--ro interface-name      union
| | | +--ro if-name?            string
| | | +--ro ip-address* [ipv4]
| | | | +--ro ipv4              string
| | | | +--ro ipv4-type?        enumeration
| | | | +--ro broadcast?        string
| | | | +--ro ip-mtu?           ip-config:ip-mtu
| | | +--ro if-state?           enumeration
| | | +--ro line-protocol-state? enumeration
| | | +--ro proxy-arp?          string
| | | +--ro vrf?                string
| | | +--ro redundant-management? boolean
| | +--ro has-more?            boolean
+---x get-interface-detail
| +---w input
| | +---w (request-type)?
| | | +---:(get-request)
| | | | +---w interface-type?      enumeration
| | | | +---w interface-name?      union
| | | +---:(get-next-request)
| | | | +---w last-rcvd-interface
| | | | +---w interface-type?      enumeration
| | | | +---w interface-name?      union
| +--ro output
| | +--ro interface* [interface-type interface-name]
| | | +--ro interface-type      enumeration
| | | +--ro interface-name      union
| | | +--ro ifindex?            uint64
| | | +--ro mtu?                interface:mtu-type
| | | +--ro ip-mtu?             ip-config:ip-mtu
| | | +--ro if-name?            string
| | | +--ro if-state?           enumeration
| | | +--ro line-protocol-state? enumeration
| | | +--ro line-protocol-state-info? string
| | | +--ro line-protocol-exception-info? string
| | | +--ro hardware-type?      enumeration
| | | +--ro logical-hardware-address? yang:mac-address
| | | +--ro current-hardware-address? yang:mac-address
| | | +--ro media-type?          enumeration
| | | +--ro wavelength?         uint32
| | | +--ro if-description?      string
| | | +--ro actual-line-speed?   string
| | | +--ro configured-line-speed? line-speed
| | | +--ro line-duplex-state?   enumeration
| | | +--ro queuing-strategy?    enumeration
| | | +--ro port-role?          enumeration
| | | +--ro port-mode?          enumeration

```

```

| | +--ro ifHCInOctets?          yang:counter64
| | +--ro ifHCInUcastPkts?      yang:counter64
| | +--ro ifHCInMulticastPkts?  yang:counter64
| | +--ro ifHCInBroadcastPkts?  yang:counter64
| | +--ro ifHCInErrors?         yang:counter64
| | +--ro ifHCOctets?           yang:counter64
| | +--ro ifHCOUcastPkts?       yang:counter64
| | +--ro ifHCOUmulticastPkts?  yang:counter64
| | +--ro ifHCOUbroadcastPkts?  yang:counter64
| | +--ro ifHCOUerrors?         yang:counter64
| | +--ro redundant-management? boolean
| | +--ro bfd-software-session? boolean
| +--ro has-more?              boolean
+---x get-media-detail
  +---w input
  | +---w interface-type?      enumeration
  | +---w interface-name?      union
  +--ro output
    +--ro interface* [interface-type interface-name]
      +--ro interface-type      enumeration
      +--ro interface-name      union
      +--ro (interface-identifier)?
        +--:(sfp)
        | +--ro sfp
        | | +--ro speed?          line-speed
        | | +--ro connector?      enumeration
        | | +--ro encoding?       enumeration
        | | +--ro vendor-name?    string
        | | +--ro vendor-oui?     string
        | | +--ro vendor-pn?      string
        | | +--ro vendor-rev?     string
        | | +--ro distance?       enumeration
        | | +--ro media-form-factor? enumeration
        | | +--ro wavelength?    string
        | | +--ro serial-no?      string
        | | +--ro date-code?      string
        | | +--ro temperature?    uint32
        | | +--ro voltage?        decimal64
        | | +--ro current?        decimal64
        | | +--ro tx-power?       decimal64
        | | +--ro rx-power?       decimal64
        +--:(on-board)
        | +--ro on-board
        | | +--ro speed?          line-speed
        | | +--ro connector?      enumeration
        | | +--ro encoding?       enumeration
        | | +--ro vendor-name?    string
        | | +--ro vendor-oui?     string
        | | +--ro vendor-pn?      string
        | | +--ro vendor-rev?     string
        +--:(gbic)
        | +--ro gbc
        | | +--ro vendor-name?    string
        | | +--ro vendor-oui?     string
        | | +--ro vendor-pn?      string
        | | +--ro vendor-rev?     string
        +--:(xfp)
        | +--ro xfp
        | | +--ro vendor-name?    string
        | | +--ro vendor-oui?     string
        | | +--ro vendor-pn?      string
        | | +--ro vendor-rev?     string
        +--:(xff)
        | +--ro xff

```

```

|      +--ro vendor-name?   string
|      +--ro vendor-oui?    string
|      +--ro vendor-pn?     string
|      +--ro vendor-rev?    string
+--:(xfpe)
|  +--ro xfpe
|      +--ro vendor-name?   string
|      +--ro vendor-oui?    string
|      +--ro vendor-pn?     string
|      +--ro vendor-rev?    string
+--:(unknown)
|  +--ro unknown
|      +--ro vendor-name?   string
|      +--ro vendor-oui?    string
|      +--ro vendor-pn?     string
|      +--ro vendor-rev?    string
+--:(qsfp)
|  +--ro qsfp
|      +--ro speed?         line-speed
|      +--ro connector?     enumeration
|      +--ro encoding?      enumeration
|      +--ro vendor-name?   string
|      +--ro vendor-oui?    string
|      +--ro vendor-pn?     string
|      +--ro vendor-rev?    string
|      +--ro distance?      enumeration
|      +--ro media-form-factor? enumeration
|      +--ro wavelength?    string
|      +--ro serial-no?     string
|      +--ro date-code?     string
|      +--ro temperature?   uint32
|      +--ro voltage?       decimal64
|      +--ro current?       decimal64
|      +--ro tx-power?      decimal64
|      +--ro rx-power?      decimal64
+--:(qsfp)
|  +--ro qsfp
|      +--ro speed?         line-speed
|      +--ro connector?     enumeration
|      +--ro encoding?      enumeration
|      +--ro vendor-name?   string
|      +--ro vendor-oui?    string
|      +--ro vendor-pn?     string
|      +--ro vendor-rev?    string
|      +--ro distance?      enumeration
|      +--ro media-form-factor? enumeration
|      +--ro wavelength?    string
|      +--ro serial-no?     string
|      +--ro date-code?     string
|      +--ro temperature?   uint32
|      +--ro voltage?       decimal64
|      +--ro current?       decimal64
|      +--ro tx-power?      decimal64
|      +--ro rx-power?      decimal64
+--:(cfp)
|  +--ro cfp
|      +--ro speed?         line-speed
|      +--ro connector?     enumeration
|      +--ro encoding?      enumeration
|      +--ro vendor-name?   string
|      +--ro vendor-oui?    string
|      +--ro vendor-pn?     string
|      +--ro vendor-rev?    string
|      +--ro distance?      enumeration

```

```

|      +---ro media-form-factor?  enumeration
|      +---ro wavelength?         string
|      +---ro serial-no?          string
|      +---ro date-code?          string
|      +---ro temperature?        uint32
|      +---ro voltage?            decimal64
|      +---ro current?            decimal64
|      +---ro tx-power?           decimal64
|      +---ro rx-power?           decimal64
+---: (qsfp28)
|   +---ro qsfp28
|       +---ro speed?             line-speed
|       +---ro connector?         enumeration
|       +---ro encoding?          enumeration
|       +---ro vendor-name?       string
|       +---ro vendor-oui?        string
|       +---ro vendor-pn?         string
|       +---ro vendor-rev?        string
|       +---ro distance?          enumeration
|       +---ro media-form-factor? enumeration
|       +---ro wavelength?        string
|       +---ro serial-no?         string
|       +---ro date-code?         string
|       +---ro temperature?       uint32
|       +---ro voltage?           decimal64
|       +---ro current?           decimal64
|       +---ro tx-power?          decimal64
|       +---ro rx-power?          decimal64
+---: (cfp2)
|   +---ro cfp2
|       +---ro speed?             line-speed
|       +---ro connector?         enumeration
|       +---ro encoding?          enumeration
|       +---ro vendor-name?       string
|       +---ro vendor-oui?        string
|       +---ro vendor-pn?         string
|       +---ro vendor-rev?        string
|       +---ro distance?          enumeration
|       +---ro media-form-factor? enumeration
|       +---ro wavelength?        string
|       +---ro serial-no?         string
|       +---ro date-code?         string
|       +---ro temperature?       uint32
|       +---ro voltage?           decimal64
|       +---ro current?           decimal64
|       +---ro tx-power?          decimal64
|       +---ro rx-power?          decimal64

```

brocade-intf-loopback

Provides a data model for managing the interface loopback feature.

Top-level container

```
module: brocade-intf-loopback
  +--rw hide-intf-loopback-holder /*drop-node-name*/
  +--rw interface
    +--rw loopback [id] /*alt-name:Loopback*/
      +--rw id                intf-loopback-port-type
      +--rw vrf
        | +--rw forwarding?   common-def:vrf-name
      +--rw intf-loopback /*drop-node-name*/
        | +--rw shutdown?    empty
```

brocade-ip-access-list

Provides a data model for the configuration of IP access control lists (ACLs).

Top-level container

```

module: brocade-ip-access-list
  +--rw ip-acl
  |   +--rw ip
  |   |   +--rw access-list
  |   |   |   +--rw standard* [name]
  |   |   |   |   +--rw name                               13-acl-policy-name
  |   |   |   |   +--rw hide-ip-acl-std
  |   |   |   |   |   +--rw seq* [seq-id]
  |   |   |   |   |   |   +--rw seq-id                     seq-id-std-ext
  |   |   |   |   |   |   +--rw action                     enumeration
  |   |   |   |   |   |   +--rw src-host-any-sip            union
  |   |   |   |   |   |   +--rw src-host-ip                 sip
  |   |   |   |   |   |   +--rw src-mask                     sip-mask
  |   |   |   |   |   |   +--rw count?                      empty
  |   |   |   |   |   |   +--rw count-sync?                 empty
  |   |   |   |   |   |   +--rw log?                         empty
  |   |   |   |   |   |   +--rw copy-sflow?                 empty
  |   |   |   +--rw extended* [name]
  |   |   |   |   +--rw name                               13-acl-policy-name
  |   |   |   |   +--rw hide-ip-acl-ext
  |   |   |   |   |   +--rw seq* [seq-id]
  |   |   |   |   |   |   +--rw seq-id                     seq-id-std-ext
  |   |   |   |   |   |   +--rw action                     enumeration
  |   |   |   |   |   |   +--rw protocol-type               union
  |   |   |   |   |   |   +--rw src-host-any-sip            union
  |   |   |   |   |   |   +--rw src-host-ip                 sip
  |   |   |   |   |   |   +--rw src-mask                     sip-mask
  |   |   |   |   |   |   +--rw sport?                      enumeration
  |   |   |   |   |   |   +--rw sport-number-eq-neq-tcp      union
  |   |   |   |   |   |   +--rw sport-number-lt-tcp          union
  |   |   |   |   |   |   +--rw sport-number-gt-tcp          union
  |   |   |   |   |   |   +--rw sport-number-eq-neq-udp      union
  |   |   |   |   |   |   +--rw sport-number-lt-udp          union
  |   |   |   |   |   |   +--rw sport-number-gt-udp          union
  |   |   |   |   |   |   +--rw sport-number-range-lower-tcp  union
  |   |   |   |   |   |   +--rw sport-number-range-lower-udp  union
  |   |   |   |   |   |   +--rw sport-number-range-higher-tcp union
  |   |   |   |   |   |   +--rw sport-number-range-higher-udp union
  |   |   |   |   |   |   +--rw dst-host-any-dip            union
  |   |   |   |   |   |   +--rw dst-host-ip                 dip
  |   |   |   |   |   |   +--rw dst-mask                     dip-mask
  |   |   |   |   |   |   +--rw dport?                      enumeration
  |   |   |   |   |   |   +--rw dport-number-eq-neq-tcp      union
  |   |   |   |   |   |   +--rw dport-number-lt-tcp          union
  |   |   |   |   |   |   +--rw dport-number-gt-tcp          union
  |   |   |   |   |   |   +--rw dport-number-eq-neq-udp      union
  |   |   |   |   |   |   +--rw dport-number-lt-udp          union
  |   |   |   |   |   |   +--rw dport-number-gt-udp          union
  |   |   |   |   |   |   +--rw dport-number-range-lower-tcp  union
  |   |   |   |   |   |   +--rw dport-number-range-lower-udp  union
  |   |   |   |   |   |   +--rw dport-number-range-higher-tcp union
  |   |   |   |   |   |   +--rw dport-number-range-higher-udp union
  |   |   |   |   |   |   +--rw icmp-type?                  icmp-type-uint
  |   |   |   |   |   |   +--rw icmp-code?                  icmp-code-uint
  |   |   |   |   |   |   +--rw ip-ttl?                     ip-ttl-uint
  |   |   |   |   |   |   +--rw dscp?                       union

```

```

|           +---rw dscp-force?           dscprmrk-uint
|           +---rw drop-precedence-force? drop-prec-uint
|           +---rw urg?                  empty
|           +---rw ack?                  empty
|           +---rw push?                 empty
|           +---rw fin?                  empty
|           +---rw rst?                  empty
|           +---rw sync?                 empty
|           +---rw vlan?                 interface:vlan-type
|           +---rw connlimit?            precedence-uint
|           +---rw fragment?             empty
|           +---rw non-fragment?          empty
|           +---rw count?                empty
|           +---rw count-sync?           empty
|           +---rw log?                  empty
|           +---rw mirror?               empty
|           +---rw copy-sflow?           empty
+---rw acl-mirror
  +---rw source* [src-interface-type src-interface-name destination dst-interface-type
dst-interface-name]
    +---rw src-interface-type      enumeration
    +---rw src-interface-name      mirror-ifname
    +---rw destination             enumeration
    +---rw dst-interface-type      enumeration
    +---rw dst-interface-name      mirror-ifname

```

brocade-ip-administration

Provides a data model for configuring the domain name server.

External augmentations

```
module: brocade-ip-administration
  +--rw dhcpd
    +--ro restart
      +--ro input
      +--ro output
        +--ro mesg?   string
```

brocade-ip-config

Provides a data model for managing Layer 3 interfaces.

Using this module, you can apply primary and secondary IP addresses to a physical interface, port-channel, or VE interface.

External augmentations

```
module: brocade-common-def
  +--rw ip
    | | +--rw ip-config:ip-config
    | | | +--rw ip-config:mtu? ip-mtu
    | | | +--rw ip-config:directed-broadcast? empty
    | | | +--rw ip-config:proxy-arp? empty
    | | | +--rw ip-config:arp-aging-timeout? uint32
    | | | +--rw ip-config:address [address]
    | | |   +--rw ip-config:address union
    | | |   +--rw ip-config:secondary? empty
    | | |   +--rw ip-config:ospf-passive? empty
    | | |   +--rw ip-config:ospf-ignore? empty
```

brocade-ip-policy

Provides a data model for managing IP route policies.

IP route policy controls how routes or IP subnets are transported from one subsystem to another subsystem. The IP route policy may perform “permit” or “deny” actions so that matched routes may be allowed or denied to the target subsystem accordingly. Additionally, an IP route policy may be used to modify the characteristics of a matched route and IP subnet pair.

This module models two types of IP route policies: prefix lists and route maps.

Top-level container

```
module: brocade-ip-policy
  +--rw hide-filter-change-update-delay-holder
    +--rw filter-change-update-delay* [filter-delay-value]
      +--rw filter-delay-value      uint32
```

brocade-ipv6-access-list

Provides a data model for the configuration of IPv6 access control lists (ACLs) and for retrieval of ACL operational data through custom RPCs.

Top-level container

```

module: brocade-ipv6-access-list
  +--rw ipv6-acl
    +--rw ipv6
      +--rw access-list
        +--rw standard* [name]
          | +--rw name      ipv6-l3-acl-policy-name
          | +--rw seq* [seq-id]
          |   +--rw seq-id      ip-access-list:seq-id-std-ext
          |   +--rw action      enumeration
          |   +--rw src-host-any-sip  union
          |   +--rw src-host-ip    sip
          |   +--rw src-mask      sip-mask
          |   +--rw count?        empty
          |   +--rw count-sync?   empty
          |   +--rw log?          empty
          |   +--rw copy-sflow?   empty
        +--rw extended* [name]
          +--rw name      ipv6-l3-acl-policy-name
          +--rw seq* [seq-id]
            +--rw seq-id      ip-access-list:seq-id-std-ext
            +--rw action      enumeration
            +--rw protocol-type  union
            +--rw src-host-any-sip  union
            +--rw src-host-ip    sip
            +--rw src-mask      sip-mask
            +--rw sport?        enumeration
            +--rw sport-number-eq-neq-tcp  union
            +--rw sport-number-lt-tcp    union
            +--rw sport-number-gt-tcp    union
            +--rw sport-number-eq-neq-udp  union
            +--rw sport-number-lt-udp    union
            +--rw sport-number-gt-udp    union
            +--rw sport-number-range-lower-tcp  union
            +--rw sport-number-range-lower-udp  union
            +--rw sport-number-range-higher-tcp  union
            +--rw sport-number-range-higher-udp  union
            +--rw dst-host-any-dip  union
            +--rw dst-host-ip      dip
            +--rw dst-mask        dip-mask
            +--rw dport?          enumeration
            +--rw dport-number-eq-neq-tcp  union
            +--rw dport-number-lt-tcp    union
            +--rw dport-number-gt-tcp    union
            +--rw dport-number-eq-neq-udp  union
            +--rw dport-number-lt-udp    union
            +--rw dport-number-gt-udp    union
            +--rw dport-number-range-lower-tcp  union
            +--rw dport-number-range-lower-udp  union
            +--rw dport-number-range-higher-tcp  union
            +--rw dport-number-range-higher-udp  union
            +--rw dscp?            union
            +--rw dscp-force?      ip-access-list:dscprmrk-uint
            +--rw drop-precedence-force? ip-access-list:drop-prec-uint
            +--rw urg?              empty
            +--rw ack?              empty

```

+++rw push?	empty
+++rw fin?	empty
+++rw rst?	empty
+++rw sync?	empty
+++rw vlan?	interface:vlan-type
+++rw conlimit?	precedence-uint
+++rw count?	empty
+++rw count-sync?	empty
+++rw log?	empty
+++rw mirror?	empty
+++rw copy-sflow?	empty

brocade-isis

Manages the Intermediate System to Intermediate System (IS-IS) protocol.

External augmentations

```
module: brocade-interface
  +--rw ip-config:ip
  |   +--rw ip-config:ip-config
  |   |   +--rw ip-config:address [address]
  |   |   +--rw ip-config:address union
  |   +--rw isis:intf-router-isis
  |   |   +--rw isis:int-router-isis
  |   |   +--rw isis:interface-ip-router-isis? empty

module: brocade-interface
  +--rw isis:intf-router-isis
  |   +--rw isis:int-router-isis
  |   +--rw isis:interface-ip-router-isis? empty

module: brocade-interface
  +--rw isis:intf-router-isis
  |   +--rw isis:int-router-isis
  |   +--rw isis:interface-ip-router-isis? empty
```

brocade-isis-operational

Provides a data model for the brocade-isis module.

Top-level container

```

module: brocade-isis-operational
  +--ro adj-neighbor-entries-state
  |   +--ro adj-neighbor* [neighbor-id]
  |   |   +--ro adj-state-change-time?   uint32
  |   |   +--ro adj-type?                 isis-adj-type
  |   |   +--ro adj-state?                 string
  |   |   +--ro neighbor-id                string
  |   |   +--ro circuit-intf-name?         string
  |   |   +--ro snpa?                      string
  |   |   +--ro adj-holding-time?          uint8
  |   |   +--ro adj-priority?              uint8
  |   |   +--ro adj-mtprot?                isis-adj-prot-type
  |   |   +--ro adj-prot?                  isis-adj-prot-type
  |   |   +--ro remaining-time?            uint32
  |   |   +--ro adj-3way-state?            isis-dcm-3way-adj-state
  |   |   +--ro host-name?                 string
  |   |   +--ro adj-lan-name?              string
  |   |   +--ro adj-lan-id?                uint8
  |   |   +--ro adj-p2p-circ-id?           uint32
  |   |   +--ro adj-num-adds?              uint8
  |   |   +--ro adj-use?                   isis-spf-level
  |   |   +--ro ip-circuit-id?             uint32
  |   |   +--ro adj-address?               inet:ipv4-address
  |   |   +--ro ip6-circuit-id?            uint32
  |   |   +--ro adj-ip6-address?           string
  |   |   +--ro bfd-holdover-interval?     uint8
  |   |   +--ro adj-bfd-holdover-time?     uint8
  |   |   +--ro bfd-state?                 string
  |   |   +--ro adj-area* [adj-asi-area-name]
  |   |   |   +--ro adj-asi-area-name      string
  |   +--ro counts-state
  |   |   +--ro areamis?                   uint32
  |   |   +--ro maxareamis?                uint32
  |   |   +--ro badidlen?                  uint32
  |   |   +--ro seqskip?                   uint32
  |   |   +--ro seqerr?                    uint32
  |   |   +--ro l1dbol?                    uint32
  |   |   +--ro l2dbol?                    uint32
  |   |   +--ro ownpurge?                  uint32
  |   |   +--ro csnp-l1authfail?           uint32
  |   |   +--ro csnp-l2authfail?           uint32
  |   |   +--ro psnp-l1authfail?           uint32
  |   |   +--ro psnp-l2authfail?           uint32
  |   |   +--ro circ-l1authfail?           uint32
  |   |   +--ro circ-l2authfail?           uint32
  |   +--ro sr-isis-error-info
  |   |   +--ro sr-isis-e-same-node-sid-diff-prefix-level?   uint32
  |   |   +--ro sr-isis-e-no-adj-label-space?                uint32
  |   |   +--ro sr-isis-error-counts-per-level-info* [level]
  |   |   |   +--ro level                                     isis-level
  |   |   |   +--ro sr-isis-e-same-node-sid-diff-pre-add?    uint32
  |   |   |   +--ro sr-isis-e-same-pre-add-diff-node-sid?    uint32
  |   |   |   +--ro sr-isis-e-prefix-sid-flag-n-unset?       uint32
  |   |   |   +--ro sr-isis-e-prefix-sid-out-of-my-srgb?     uint32
  |   |   |   +--ro sr-isis-e-prefix-no-sr-capability?       uint32
  |   |   |   +--ro sr-isis-e-prefix-sid-out-of-nh-srgb?     uint32

```

```

| |      +---ro sr-isis-e-cap-sub-tlv-flag-i-unset?      uint32
| +---ro bad-lsp-log* [type-index]
| |      +---ro type-index      uint8
| |      +---ro time-stamp?     uint32
| |      +---ro l1-count?       uint32
| |      +---ro l2-count?       uint32
+---ro debug-isis-info-state
| +---ro global?      boolean
| +---ro adj?         boolean
| +---ro error?       boolean
| +---ro interface?   boolean
| +---ro l1-csnp?     boolean
| +---ro l2-csnp?     boolean
| +---ro l1-hello?    boolean
| +---ro l2-hello?    boolean
| +---ro l1-lsp?      boolean
| +---ro l2-lsp?      boolean
| +---ro l1-psnp?     boolean
| +---ro l2-psnp?     boolean
| +---ro lspdump?     boolean
| +---ro lspflood?    boolean
| +---ro memory?      boolean
| +---ro nsr?         boolean
| +---ro pp-hello?    boolean
| +---ro pspf?        boolean
| +---ro pspf-detail? boolean
| +---ro redist?      boolean
| +---ro route-table? boolean
| +---ro spf?         boolean
| +---ro spf-log?     boolean
| +---ro spf-stct?    boolean
| +---ro te?          boolean
| +---ro trace?       boolean
+---ro isis-state
| +---ro global-isis-info
| |      +---ro isis-protocol?      boolean
| |      +---ro isis-state?         boolean
| |      +---ro is-type?            uint32
| |      +---ro system-id?          string
| |      +---ro area-addresses?     string
| |      +---ro database-state-level-1? string
| |      +---ro database-state-level-2? string
| |      +---ro database-state-level-1-2? string
| |      +---ro overload-reason?    string
| |      +---ro check-alarm?        boolean
| |      +---ro overload-state-since? string
| |      +---ro overload-state-rem-time? string
| |      +---ro admin-distance?     uint32
| |      +---ro v6-admin-distance?  uint32
| |      +---ro max-paths?          uint32
| |      +---ro v6-max-paths?       uint32
| |      +---ro default-redis-metric? uint32
| |      +---ro v6-default-redis-metric? uint32
| |      +---ro default-link-metric-l1-conf? uint32
| |      +---ro default-link-metric-l1-adv? uint32
| |      +---ro default-link-metric-l2-conf? uint32
| |      +---ro default-link-metric-l2-adv? uint32
| |      +---ro v6-default-link-metric-l1-conf? uint32
| |      +---ro v6-default-link-metric-l1-adv? uint32
| |      +---ro v6-default-link-metric-l2-conf? uint32
| |      +---ro v6-default-link-metric-l2-adv? uint32
| |      +---ro redis-protocol?     string
| |      +---ro no-routes-redis?    uint32
| |      +---ro v6-redis-protocol?  string

```

```

| | +--ro v6-no-routes-redis?          uint32
| | +--ro auth-mode-l1?               string
| | +--ro auth-mode-l2?               string
| | +--ro auth-key-l1?                string
| | +--ro auth-key-l2?                string
| | +--ro l1-auth-no-check?            isis-status
| | +--ro l2-auth-no-check?            isis-status
| | +--ro metric-style-l1?             string
| | +--ro metric-style-l2?             string
| | +--ro graceful-restart-helper?     boolean
| | +--ro spspf-optimization?          boolean
| | +--ro spf-max-wait-l1?              uint32
| | +--ro spf-max-wait-l2?              uint32
| | +--ro spf-init-wait-l1?            uint32
| | +--ro spf-init-wait-l2?            uint32
| | +--ro spf-second-wait-l1?           uint32
| | +--ro spf-second-wait-l2?           uint32
| | +--ro spf-scheduled-l1?            string
| | +--ro spf-scheduled-l2?            string
| | +--ro pspf-max-wait?                uint32
| | +--ro pspf-init-wait?               uint32
| | +--ro pspf-second-wait?             uint32
| | +--ro pspf-scheduled?              string
| | +--ro spf6-max-wait-l1?             uint32
| | +--ro spf6-max-wait-l2?             uint32
| | +--ro spf6-init-wait-l1?            uint32
| | +--ro spf6-init-wait-l2?            uint32
| | +--ro spf6-second-wait-l1?          uint32
| | +--ro spf6-second-wait-l2?          uint32
| | +--ro spf6-scheduled-l1?            string
| | +--ro spf6-scheduled-l2?            string
| | +--ro pspf6-max-wait?                uint32
| | +--ro pspf6-init-wait?               uint32
| | +--ro pspf6-second-wait?             uint32
| | +--ro pspf6-scheduled?              string
| | +--ro lsp-max-lifetime?             uint32
| | +--ro lsp-refresh-interval?          uint32
| | +--ro lsp-gen-interval?             uint32
| | +--ro lsp-retrans-interval?          uint32
| | +--ro lsp-interval?                 uint32
| | +--ro snp-csnp-interval?            uint32
| | +--ro snp-psnp-interval?            uint32
| | +--ro hello-padding?                boolean
| | +--ro hello-padding-ptp?            uint32
| | +--ro ptp-handshake?                boolean
| | +--ro bgp-ipv4-converged?            boolean
| | +--ro bgp-ipv6-converged?            boolean
| | +--ro isis-te?                      boolean
| | +--ro isis-shortcuts?                string
| | +--ro isis-reverse-metric?           uint32
| | +--ro isis-reverse-metric-wbit?      uint32
| | +--ro isis-reverse-metric-sbit?      uint32
| | +--ro bfd-enabled?                  boolean
| | +--ro bfd-hold-interval?             uint32
| | +--ro nsr-enabled?                   boolean
| | +--ro nsr-state?                     string
| | +--ro nsr-sync-state?                boolean
| | +--ro isis-is-mp?                    boolean
| | +--ro ldp-sync?                      boolean
| | +--ro ldp-sync-holddown-time?        uint32
| +--ro router-isis-config
| | +--ro nsr-state?                     isis-status
| | +--ro lsp-flood-count?                uint16
| | +--ro lsp-fast-flood-count?           uint16

```

```

| | +--ro fast-flood-wait-count?      uint16
| | +--ro hello-padding?             isis-status
| | +--ro hello-padding-ntp?         isis-status
| | +--ro csnp-interval?             uint16
| | +--ro lsp-gen-interval?          uint16
| | +--ro lsp-interval?              uint32
| | +--ro lsp-refresh-interval?      uint16
| | +--ro lsp-lifetime?              uint16
| | +--ro retransmit-interval?       uint16
| | +--ro pspf-enabled?              isis-status
| | +--ro ispf-enabled?              isis-status
| | +--ro istct-spf-enabled?         isis-status
| | +--ro overload-state?            isis-status
| | +--ro overload-startup-time?     uint32
| | +--ro overload-wait-on-bgp?      isis-status
| | +--ro overload-bgp-wait-time?    uint32
| | +--ro enable-code-assertions?    isis-status
| | +--ro graceful-restart-helper?   isis-status
| | +--ro isis-hostname-enabled?     isis-status
| | +--ro bfd?                       boolean
| | +--ro bfd-holdover-interval?     uint8
| | +--ro isis-system-info
| | | +--ro protocol-enabled?        isis-status
| | | +--ro operation-mode?          isis-level
| | | +--ro system-id?               string
| | | +--ro nsap* [net-addr]
| | | | +--ro length?                uint8
| | | | +--ro net-addr               string
| | +--ro l1-auth-profile
| | | +--ro auth-check?              isis-status
| | | +--ro auth-mode?               auth-mode
| | | +--ro auth-key?                string
| | +--ro l2-auth-profile
| | | +--ro auth-check?              isis-status
| | | +--ro auth-mode?               auth-mode
| | | +--ro auth-key?                string
| | +--ro log-handler
| | | +--ro log-adj-state-change?    isis-status
| | | +--ro log-bad-lsp?             isis-status
| | +--ro l1-spf-timer
| | | +--ro init-delay-time?         uint32
| | | +--ro hold-down-time?          uint32
| | | +--ro max-time?                uint32
| | +--ro l2-spf-timer
| | | +--ro init-delay-time?         uint32
| | | +--ro hold-down-time?          uint32
| | | +--ro max-time?                uint32
| | +--ro l1-spf6-timer
| | | +--ro init-delay-time?         uint32
| | | +--ro hold-down-time?          uint32
| | | +--ro max-time?                uint32
| | +--ro l2-spf6-timer
| | | +--ro init-delay-time?         uint32
| | | +--ro hold-down-time?          uint32
| | | +--ro max-time?                uint32
| | +--ro pspf-timer
| | | +--ro init-delay-time?         uint32
| | | +--ro hold-down-time?          uint32
| | | +--ro max-time?                uint32
| | +--ro pspf6-timer
| | | +--ro init-delay-time?         uint32
| | | +--ro hold-down-time?          uint32
| | | +--ro max-time?                uint32
| | +--ro is-address-family-v4

```

```

| | | +--ro afi? isis-afi
| | | +--ro safi? isis-safi
| | | +--ro originate-default-route? isis-status
| | | +--ro originate-default-routemap-name? string
| | | +--ro default-metric? uint16
| | | +--ro l1-default-link-metric? uint32
| | | +--ro l2-default-link-metric? uint32
| | | +--ro administrative-distance? uint32
| | | +--ro maximum-equal-cost-paths? uint32
| | | +--ro redistrib-static
| | | | +--ro redistrib-enabled? isis-status
| | | | +--ro redistrib-level? isis-level
| | | | +--ro redistrib-metric? uint32
| | | | +--ro redistrib-metric-type? is-redistrib-metric-type
| | | | +--ro redistrib-routemap-name? string
| | | +--ro redistrib-connected
| | | | +--ro redistrib-enabled? isis-status
| | | | +--ro redistrib-level? isis-level
| | | | +--ro redistrib-metric? uint32
| | | | +--ro redistrib-metric-type? is-redistrib-metric-type
| | | | +--ro redistrib-routemap-name? string
| | | +--ro redistrib-bgp
| | | | +--ro redistrib-enabled? isis-status
| | | | +--ro redistrib-level? isis-level
| | | | +--ro redistrib-metric? uint32
| | | | +--ro redistrib-metric-type? is-redistrib-metric-type
| | | | +--ro redistrib-routemap-name? string
| | | +--ro redistrib-isis
| | | | +--ro redistrib-isis-l2-to-l1? isis-status
| | | | +--ro redistrib-isis-l2-to-l1-prefix? string
| | | | +--ro redistrib-isis-l1-to-l2? isis-status
| | | | +--ro redistrib-isis-l1-to-l2-prefix? string
| | | +--ro redistrib-ospf
| | | | +--ro redistrib-enabled? isis-status
| | | | +--ro redistrib-level? isis-level
| | | | +--ro redistrib-metric? uint32
| | | | +--ro redistrib-metric-type? is-redistrib-metric-type
| | | | +--ro redistrib-routemap-name? string
| | | | +--ro ospf-internal-enabled? isis-status
| | | | +--ro ospf-external1-enabled? isis-status
| | | | +--ro ospf-external2-enabled? isis-status
| | | +--ro l1-wide-metric-enabled? boolean
| | | +--ro l2-wide-metric-enabled? boolean
| | | +--ro ldp-sync-enabled? isis-status
| | | +--ro ldp-sync-hold-down? uint16
| | | +--ro summary-address-v4* [address]
| | | | +--ro address inet:ipv4-address
| | | | +--ro ipv4-mask? inet:ipv4-address
| | | | +--ro level? isis-level
| | | +--ro sr-srgb-range* [level]
| | | | +--ro lower-range-value? uint32
| | | | +--ro upper-range-value? uint32
| | | | +--ro level isis-level
| | +--ro is-address-family-v6
| | | +--ro afi? isis-afi
| | | +--ro safi? isis-safi
| | | +--ro originate-default-route? isis-status
| | | +--ro originate-default-routemap-name? string
| | | +--ro default-metric? uint16
| | | +--ro l1-default-link-metric? uint32
| | | +--ro l2-default-link-metric? uint32
| | | +--ro administrative-distance? uint32
| | | +--ro maximum-equal-cost-paths? uint32
| | | +--ro redistrib-static

```

```

| | | | +--ro redist-enabled?      isis-status
| | | | +--ro redist-level?        isis-level
| | | | +--ro redist-metric?       uint32
| | | | +--ro redist-metric-type?  is-redist-metric-type
| | | | +--ro redist-routemap-name? string
| | | +--ro redist-connected
| | | | +--ro redist-enabled?      isis-status
| | | | +--ro redist-level?        isis-level
| | | | +--ro redist-metric?       uint32
| | | | +--ro redist-metric-type?  is-redist-metric-type
| | | | +--ro redist-routemap-name? string
| | | +--ro redist-bgp
| | | | +--ro redist-enabled?      isis-status
| | | | +--ro redist-level?        isis-level
| | | | +--ro redist-metric?       uint32
| | | | +--ro redist-metric-type?  is-redist-metric-type
| | | | +--ro redist-routemap-name? string
| | | +--ro redist-isis
| | | | +--ro redist-is-l2-to-l1?   isis-status
| | | | +--ro redist-is-l2-to-l1-prefix? string
| | | | +--ro redist-is-l1-to-l2?   isis-status
| | | | +--ro redist-is-l1-to-l2-prefix? string
| | | +--ro redist-ospf
| | | | +--ro redist-enabled?      isis-status
| | | | +--ro redist-level?        isis-level
| | | | +--ro redist-metric?       uint32
| | | | +--ro redist-metric-type?  is-redist-metric-type
| | | | +--ro redist-routemap-name? string
| | | | +--ro ospf-internal-enabled? isis-status
| | | | +--ro ospf-external1-enabled? isis-status
| | | | +--ro ospf-external2-enabled? isis-status
| | | +--ro adjacency-check?       isis-status
| | | +--ro multi-topology?         isis-status
| | | +--ro mt-transition-state?    boolean
| | | +--ro summary-prefix-v6* [address]
| | | | +--ro address      string
| | | | +--ro level?      isis-level
| | | +--ro reverse-metric
| | | | +--ro reverse-metric-value? uint32
| | | | +--ro rev-metric-whole-lan?  isis-status
| | | | +--ro rev-metric-te-def-metric? isis-status
| | | | +--ro rev-metric-tnv-type?   uint32
| | | +--ro debug-handler
| | | | +--ro debug-nsr?   isis-status
| | +--ro host-table
| | | +--ro hostname-enabled?   boolean
| | | +--ro isis-router-entry* [system-id]
| | | | +--ro system-id      string
| | | | +--ro host-name?     string
| | | | +--ro is-local?      boolean
| | +--ro ipv4-routes
| | | +--ro total-routes-count?  uint32
| | | +--ro ipv4-route-entry* [ipv4-dest-addr ipv4-subnet-mask ipv4-prefix-len]
| | | | +--ro level?           uint8
| | | | +--ro cost?            uint32
| | | | +--ro tag?             uint32
| | | | +--ro flags?           uint16
| | | | +--ro is-l1-summarized? boolean
| | | | +--ro is-l2-summarized? boolean
| | | | +--ro is-summary?      boolean
| | | | +--ro ipv4-dest-addr    inet:ipv4-address
| | | | +--ro ipv4-subnet-mask  inet:ipv4-address
| | | | +--ro ipv4-prefix-len   int8
| | | +--ro nh-info* [outgoing-intf-type outgoing-intf-number]

```

```

| |         +--ro ipv4-nh-addr?          inet:ipv4-address
| |         +--ro outgoing-intf-type     isis-interface-type
| |         +--ro outgoing-intf-number  string
| +--ro ipv6-routes
| |   +--ro level1-route-count?  uint32
| |   +--ro level2-route-count?  uint32
| |   +--ro ecmp-route-count?    uint32
| |   +--ro total-routes-count?  uint32
| |   +--ro ipv6-route-entry* [ipv6-dest-addr ipv6-prefix-len]
| |     +--ro level?            uint8
| |     +--ro cost?             uint32
| |     +--ro tag?              uint32
| |     +--ro flags?            uint16
| |     +--ro is-l1-summarized?  boolean
| |     +--ro is-l2-summarized?  boolean
| |     +--ro is-summary?       boolean
| |     +--ro ipv6-dest-addr     string
| |     +--ro ipv6-prefix-len    uint8
| |     +--ro nh-info* [outgoing-intf-type outgoing-intf-number]
| |       +--ro ipv6-nh-addr?    string
| |       +--ro outgoing-intf-type isis-interface-type
| |       +--ro outgoing-intf-number string
| +--ro interface-brief
| |   +--ro isis-intf-brief* [intf-type intf-number]
| |     +--ro intf-type          isis-interface-type
| |     +--ro intf-number        string
| |     +--ro circuit-type?      isis-circ-type
| |     +--ro is-circuit-passive? isis-status
| |     +--ro circuit-mode?      isis-level
| |     +--ro circ-state?        boolean
| |     +--ro mtu-size?          uint16
| |     +--ro circ-adj-up?       uint16
| |     +--ro circ-changes?      uint32
| |     +--ro adj-changes?       uint32
| |     +--ro is-l1-dis?         boolean
| |     +--ro is-l2-dis?         boolean
| +--ro interface-detail
| |   +--ro isis-intf* [intf-type intf-number]
| |     +--ro intf-type          isis-interface-type
| |     +--ro intf-number        string
| |     +--ro v4circuit-enabled? isis-status
| |     +--ro v6circuit-enabled? isis-status
| |     +--ro circuit-id?        uint16
| |     +--ro circuit-ifid?      uint16
| |     +--ro circuit-state?      boolean
| |     +--ro circuit-ip-state?   boolean
| |     +--ro circuit-ipv6-state? boolean
| |     +--ro mpls-enabled?       boolean
| |     +--ro circuit-mode?      isis-level
| |     +--ro circuit-type?      isis-circ-type
| |     +--ro circuit-encap?      isis-circ-encap
| |     +--ro is-circuit-passive? isis-status
| |     +--ro mtu-size?          uint16
| |     +--ro padding-enabled?    isis-status
| |     +--ro bfd-enabled?       isis-status
| |     +--ro circ-chstats
| |       | +--ro circ-changes?  uint32
| |       | +--ro adj-changes?   uint32
| |       | +--ro adj-rej?       uint32
| |       | +--ro llauthfail?    uint32
| |       | +--ro l2authfail?    uint32
| |       | +--ro bad-lsps?      uint32
| |       | +--ro ctrl-out?      uint32
| |       | +--ro ctrl-in?       uint32

```

```

| | +--ro mpls-info
| | | +--ro te-enabled?      isis-status
| | | +--ro admin-group?    uint32
| | | +--ro te-metric?      uint32
| | | +--ro max-link-bw?    uint32
| | | +--ro max-reserv-bw?  uint32
| | | +--ro unreserv-bw*    uint32
| | +--ro reverse-metric-info
| | | +--ro is-global-config? boolean
| | | +--ro reverse-metric-value? uint32
| | | +--ro rev-metric-whole-lan? isis-status
| | | +--ro rev-metric-te-def-metric? isis-status
| | +--ro ldp-sync-info
| | | +--ro ldp-sync-enabled? isis-status
| | | +--ro ldp-sync-hold-down? uint16
| | | +--ro ldp-in-sync?      boolean
| | | +--ro remain-hd-time?    uint32
| | | +--ro ldp-sync-hd-expired? boolean
| | +--ro circ-metrics* [level]
| | | +--ro level            isis-level
| | | +--ro auth-check?      isis-status
| | | +--ro auth-mode?       auth-mode
| | | +--ro auth-key?        string
| | | +--ro circ-metric?     uint32
| | | +--ro ip6-circ-metric? uint32
| | | +--ro circ-priority?   uint8
| | | +--ro hello-int?       uint32
| | | +--ro hello-mult?      uint32
| | | +--ro dis?             string
| | | +--ro dis-ch?          uint32
| | | +--ro next-hello?      uint32
| | | +--ro active-adj?      uint32
| | +--ro ip-info* [ip-add]
| | | +--ro ip-add           inet:ipv4-address
| | | +--ro ip-prefix?      uint8
| | +--ro ip6-info* [ip6-add]
| | | +--ro ip6-add          inet:ipv6-address
| | | +--ro ip6-prefix?     uint8
| | | +--ro is-link-local?   boolean
| | +--ro sr-info* [level]
| | | +--ro level            isis-level
| | | +--ro sr-disabled?     boolean
| | | +--ro ip-add?          inet:ipv4-address
| | | +--ro ip-prefix?      uint8
| | | +--ro sid-value?       uint32
| +--ro shortcuts
| | +--ro configured?        uint32
| | +--ro up?                uint32
| | +--ro announced?        uint32
| | +--ro isis-shortcut-entry* [level]
| | | +--ro level            isis-level
| | | +--ro lsp-name?        string
| | | +--ro system-id?       string
| | | +--ro protocol?        string
| | | +--ro announced?       boolean
| | | +--ro to-address?      inet:ipv4-address
| | | +--ro spf-metric?      uint32
| | | +--ro announce-metric? uint32
| | | +--ro lsp-metric?      uint32
| | | +--ro relative-metric? uint32
| | | +--ro mpls-timestamp?  string
| +--ro sid
| | +--ro isis-sid-entry* [level]
| | | +--ro type?            string

```

```

| | +--ro to?          string
| | +--ro label?       uint32
| | +--ro intf?        string
| | +--ro level         isis-level
| | +--ro value?        uint32
| | +--ro flags?        string
| | +--ro algo-weight?  uint8
| +--ro database* [level]
|   +--ro isis-operation?  boolean
|   +--ro level            uint32
|   +--ro lsp-level1-count? uint32
|   +--ro lsp-level2-count? uint32
|   +--ro lsp-level1-loading? uint32
|   +--ro lsp-level2-loading? uint32
|   +--ro lsp-level1-fragments? uint32
|   +--ro lsp-level2-fragments? uint32
|   +--ro lsp-level1-pseudo?  uint32
|   +--ro lsp-level2-pseudo?  uint32
|   +--ro lsp-level1-pseudo-fragments? uint32
|   +--ro lsp-level2-pseudo-fragments? uint32
|   +--ro lsp-level1-my-count? uint32
|   +--ro lsp-level2-my-count? uint32
|   +--ro lsp-level1-my-lsp-fragments? uint32
|   +--ro lsp-level2-my-lsp-fragments? uint32
|   +--ro lsp-level1-my-pseudo?  uint32
|   +--ro lsp-level2-my-pseudo?  uint32
|   +--ro lsp-level1-my-pseudo-fragments? uint32
|   +--ro lsp-level2-my-pseudo-fragments? uint32
|   +--ro lsp-level1-checksum?  uint32
|   +--ro lsp-level2-checksum?  uint32
|   +--ro lsp-entry* [lsp-level lsp-id]
|     +--ro lsp-level      uint32
|     +--ro lsp-id         string
|     +--ro lsp-seq-no?    uint32
|     +--ro lsp-checksum?  uint16
|     +--ro lsp-holdtime?  uint32
|     +--ro lsp-att?       uint32
|     +--ro lsp-p?         uint32
|     +--ro lsp-ol?        uint32
|     +--ro lsp-tlv-entry* [type]
|       +--ro type         uint32
|       +--ro length?      uint32
|       +--ro value*       binary
+--ro traffic-state
| +--ro l1-hello-rx?  uint32
| +--ro l1-hello-tx?  uint32
| +--ro l2-hello-rx?  uint32
| +--ro l2-hello-tx?  uint32
| +--ro pp-hello-rx?  uint32
| +--ro pp-hello-tx?  uint32
| +--ro l1-lsp-rx?    uint32
| +--ro l1-lsp-tx?    uint32
| +--ro l2-lsp-rx?    uint32
| +--ro l2-lsp-tx?    uint32
| +--ro l1-csnp-rx?   uint32
| +--ro l1-csnp-tx?   uint32
| +--ro l2-csnp-rx?   uint32
| +--ro l2-csnp-tx?   uint32
| +--ro l1-psnp-rx?   uint32
| +--ro l1-psnp-tx?   uint32
| +--ro l2-psnp-rx?   uint32
| +--ro l2-psnp-tx?   uint32
+--ro spf-log-state* [spf-log-version]
  +--ro spf-log-version  isis-safi

```

```

+--ro spf-log-levels* [level]
  +--ro level                isis-level
  +--ro log-counts?          uint16
  +--ro spf-trigger-count?    uint16
  +--ro node-count?          uint16
  +--ro spf-log-events* [spf-log-index]
    +--ro spf-log-index      uint16
    +--ro isis-spf-log-reason? isis-spf-log-reason-code
    +--ro isis-lsp-name?     string
    +--ro brief-reason?      string
    +--ro event-count?       uint16
    +--ro node-count?        uint16
    +--ro time-stamp-ms?     uint32
    +--ro duration-ms?       uint32
    +--ro ipv4-routes?       uint32
    +--ro ipv6-routes?       uint32
    +--ro first-trigger-change? string
    +--ro first-trigger-time-stamp-ms? uint32
    +--ro first-trigger-detail-reason? string
    +--ro last-trigger-change? string
    +--ro last-trigger-time-stamp-ms? uint32
    +--ro last-trigger-detail-reason? string

```

brocade-keychain

Top-level container

```
+--rw keychain* [name-of-keychain]
  +--rw name-of-keychain    string
  +--rw accept-tolerance?   uint32
  +--rw key* [key-id]
    +--rw key-id            uint32
    +--rw key-string
      | +--rw key-string-text?  string
      | +--rw encryption-level? uint32
    +--rw accept-lifetime
      | +--rw local?          boolean
      | +--rw start-time?     time-format-start
      | +--rw (duration-options)?
      |   +--:(duration-option-value-case)
      |     | +--rw duration-value?  uint32
      |   +--:(duration-option-infinite-case)
      |     | +--rw infinite?        empty
      |   +--:(duration-option-end-time)
      |     +--rw end-time?          time-format-end
    +--rw key-algorithm?     key_algo
```

brocade-l2sys-operational

Manages the L2SYS processor.

Top-level container

```
module: brocade-l2sys-operational
  +--ro bd-mac-br-state
  |   +--ro total-mac-count?    uint32
  |   +--ro static-mac-count?   uint32
  |   +--ro dyn-mac-count?      uint32
  |   +--ro evpn-mac-count?     uint32
  +--ro bridge-domain-mac-state* [bd-id]
      +--ro bd-id                uint32
      +--ro no-of-mac?           uint32
      +--ro no-of-static-mac?    uint32
```

brocade-lacp

Provides a data model to manage the Link Aggregation Control Protocol (LACP).

Top-level container

```
module: brocade-lacp
  +--rw lacp
    +--rw system-priority?  uint32
```

External augmentations

```
module: brocade-interface
  +--rw interface
    | +--rw ethernet [name]
    | | +--rw lacp:lacp
    | | | +--rw lacp:timeout?          enumeration
    | | | +--rw lacp:std_port-priority? uint32 /*alt-name:port-priority*/
    | | | +--rw lacp:default-up?       empty
```

brocade-lag

Provides a data model to manage the link aggregation or IEEE 802.1AX-2008 feature.

Top-level container

```
module: brocade-lag
  +--rw port-channel-redundancy-group* [group-id]
    +--rw group-id          po-redundancy-group-type
  +--rw port-channel* [name]
    | +--rw name              interface:portchannel-type
    | +--rw port-channel-active? empty
  +--rw activate?          empty
```

RPCs

```
rpcs:
  +---x get-port-channel-detail
    | +---w input
    | | +---w (request-type)?
    | |   +--:(get-request)
    | |   | +---w aggregator-id?      interface:portchannel-type
    | |   +--:(get-next-request)
    | |   | +---w last-aggregator-id?  interface:portchannel-type
    | +---ro output
    |   +--ro lacp*
    |   | +--ro aggregator-id?        interface:portchannel-type
    |   | +--ro aggregator-type?      enumeration
    |   | +--ro isvlag?                boolean
    |   | +--ro aggregator-mode?      enumeration
    |   | +--ro admin-key?             lacp-key
    |   | +--ro oper-key?              lacp-key
    |   | +--ro actor-system-id?       yang:mac-address
    |   | +--ro partner-system-id?     yang:mac-address
    |   | +--ro system-priority?       uint32
    |   | +--ro partner-oper-priority? uint32
    |   | +--ro rx-link-count?         uint64
    |   | +--ro tx-link-count?         uint64
    |   | +--ro individual-agg?        uint32
    |   | +--ro ready-agg?             uint32
    |   | +--ro partner-oper-key?      lacp-key
    |   | +--ro aggr-member*
    |   |   +--ro interface-type?     enumeration
    |   |   +--ro interface-name?     union
    |   |   +--ro actor-port?         uint64
    |   |   +--ro sync?               uint64
    |   +--ro has-more?               boolean
  +---x get-portchannel-info-by-intf
    +---w input
    | +---w interface-type?   enumeration
    | +---w interface-name?   union
    +---ro output
      +--ro lacp
        +--ro interface-type?   enumeration
        +--ro interface-name?   union
        +--ro actor-port?       uint64
        +--ro admin-key?        lacp-key
        +--ro oper-key?         lacp-key
        +--ro actor-system-id?   yang:mac-address
        +--ro partner-system-id? yang:mac-address
        +--ro system-priority?   uint32
```

+++ro partner-oper-priority?	uint32
+++ro actor-priority?	uint32
+++ro receive-machine-state?	enumeration
+++ro periodic-transmission-machine-state?	enumeration
+++ro mux-machine-state?	enumeration
+++ro admin-state?	lacp-state
+++ro oper-state?	lacp-state
+++ro partner-oper-state?	lacp-state
+++ro partner-oper-port?	uint64
+++ro actor-chip-number?	uint32
+++ro actor-max-deskew?	uint32
+++ro partner-chip-number?	uint32
+++ro partner-max-deskew?	uint32
+++ro actor-brcd-state?	brcd-trunk-states
+++ro partner-brcd-state?	brcd-trunk-states

brocade-lfs

Manages link fault signal (LFS).

Top-level container

```
module: brocade-lfs
  +--rw link-fault-signaling
    +--rw rx?  enumeration
    +--rw tx?  enumeration
```

External augmentations

```
module: brocade-interface
  | | +--rw lfs:link-fault-signaling
  | | | +--rw lfs:rx?  enumeration
  | | | +--rw lfs:tx?  enumeration
```

brocade-license

Provides a data model to manage licenses in a VCS fabric.

This module supports custom actions to perform operations such as installing and uninstalling a license, returning license ID information, returning license key values, and returning licensing information about dynamic Ports on Demand (POD).

Top-level container

```

module: brocade-license
  +--rw license
  |   +---x add
  |   |   +---w input
  |   |   |   +---w (str-file)?
  |   |   |   |   +--:(licStr)
  |   |   |   |   |   +---w licStr      string
  |   |   |   |   |   +--:(FTP-URL)
  |   |   |   |   |   |   +---w FTP-URL  string
  |   |   |   |   |   |   +--:(SCP-URL)
  |   |   |   |   |   |   |   +---w SCP-URL  string
  |   |   |   |   |   |   +---w slot?      uint32
  |   +---x remove
  |   |   +---w input
  |   |   |   +---w licStr      common-def:feature-type
  |   |   |   +---w slot?      uint32
  |   +---x eula
  |   |   +---w input
  |   |   |   +---w (accept-or-decline)?
  |   |   |   |   +--:(accept)
  |   |   |   |   |   +---w accept      eula_features
  |   |   |   |   |   +--:(decline)
  |   |   |   |   |   |   +---w decline  eula_features
  +--rw dpod
    +--rw port-id* [port-id]
      +--rw port-id      interface:interface-type
      +--rw operation?   license-dpod-operation-type

```

brocade-linecard-management

Provides a data model for managing line cards.

Top-level container

```

module: brocade-linecard-management
  +--rw global-lc-holder
  |   +--rw linecard
  |       +--rw linecards* [linecardName]
  |           +--rw linecardName    linecardid
  |           +--rw linecardType?   enumeration
  +--rw linecardservice
  |   +---x power-off
  |   |   +---w input
  |   |       +---w (blade-type)?
  |   |           +--:(linecard)
  |   |               | +---w linecard?    slotnum
  |   |               +--:(sfm)
  |   |                   | +---w sfm?      sfmnum
  |   |                   +--:(psu)
  |   |                       +---w psu?    psunum
  |   +---x power-on
  |   |   +---w input
  |   |       +---w (blade-type)?
  |   |           +--:(linecard)
  |   |               | +---w linecard?    slotnum
  |   |               +--:(sfm)
  |   |                   | +---w sfm?      sfmnum
  |   |                   +--:(psu)
  |   |                       +---w psu?    psunum
  +--rw latch-detection-config
  |   +--rw disable-latch-detection
  |       +---x latch-detection-disable
  |       |   +---w input
  |       |       +---w (blade-type)?
  |       |           +--:(linecard)
  |       |               +---w linecard    fusion_slotnum
  +--rw enable-latch-detection
  |   +---x latch-detection-enable
  |   |   +---w input
  |   |       +---w (blade-type)?
  |   |           +--:(linecard)
  |   |               +---w linecard    fusion_slotnum

```

brocade-lldp

Provides a data model to manage the Link Layer Discovery Protocol (LLDP).

LLDP is a data-link layer protocol, operating above the MAC service layer, that performs basic neighbor discovery. The discovery process involves advertising the network device identity, capabilities, and interconnections on an IEEE 802 LAN network.

The protocol is formally referred to by the IEEE as Station and Media Access Control Connectivity Discovery specified in standards document 802.1AB.

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw ethernet [name]
  |   |   +--rw lldp:lldp
  |   |   |   +--rw lldp:dcbx-version?      enumeration
  |   |   |   +--rw lldp:disable?          empty
  |   |   |   +--rw lldp:iscsi-priority?    uint32
  |   |   |   +--rw lldp:profile?          string
  |   +--rw ethernet [name]
  |   |   +--rw lldp:lldp
  |   |   |   +--rw lldp:dcbx-version?      enumeration
  |   |   |   +--rw lldp:disable?          empty
  |   |   |   +--rw lldp:iscsi-priority?    uint32
  |   |   |   +--rw lldp:profile?          string
  |   +--rw ethernet [name]
  |   |   +--rw lldp:lldp
  |   |   |   +--rw lldp:dcbx-version?      enumeration
  |   |   |   +--rw lldp:disable?          empty
  |   |   |   +--rw lldp:iscsi-priority?    uint32
  |   |   |   +--rw lldp:profile?          string
  |   +--rw ethernet [name]
  |   |   +--rw lldp:lldp
  |   |   |   +--rw lldp:cee
  |   |   |   |   +--rw lldp:lldp-cee-on-off? enumeration /*drop-node-name*/
  |   |   |   +--rw lldp:dcbx-version?      enumeration
  |   |   |   +--rw lldp:disable?          empty
  |   |   |   +--rw lldp:iscsi-priority?    uint32
  |   |   |   +--rw lldp:profile?          string
  |   +--rw protocol
  |   |   +--rw lldp:lldp?
  |   |   |   +--rw lldp:description?      string
  |   |   |   +--rw lldp:hello?            uint32
  |   |   |   +--rw lldp:mode?             enumeration
  |   |   |   +--rw lldp:multipplier?      uint32
  |   |   |   +--rw lldp:advertise
  |   |   |   |   +--rw lldp:dcbx-fcoe-app-tlv?      empty
  |   |   |   |   +--rw lldp:dcbx-fcoe-logical-link-tlv? empty
  |   |   |   |   +--rw lldp:dcbx-iscsi-app-tlv?     empty
  |   |   |   |   +--rw lldp:dcbx-tlv?              empty
  |   |   |   |   +--rw lldp:dot1-tlv?              empty
  |   |   |   |   +--rw lldp:dot3-tlv?              empty
  |   |   |   |   +--rw lldp:optional-tlv
  |   |   |   |   |   +--rw lldp:management-address? empty
  |   |   |   |   |   +--rw lldp:port-description?  empty
  |   |   |   |   |   +--rw lldp:system-capabilities? empty
  |   |   |   |   |   +--rw lldp:adv-tlv-system-description? empty /*alt-name:system-
description*/
  |   |   |   |   |   +--rw lldp:adv-tlv-system-name? empty /*alt-name:system-name*/

```

```

| | +--rw lldp:system-name?      string
| | +--rw lldp:system-description? string
| | +--rw lldp:iscsi-priority?   uint32
| | +--rw lldp:disable?         empty
| | +--rw lldp:profile [profile-name]
| |   +--rw lldp:profile-name    string
| |   +--rw lldp:description?   string
| |   +--rw lldp:hello?         uint32
| |   +--rw lldp:mode?          enumeration
| |   +--rw lldp:multipplier?    uint32
| |   +--rw lldp:advertise
| |     +--rw lldp:dcbx-fcoe-app-tlv?      empty
| |     +--rw lldp:dcbx-fcoe-logical-link-tlv? empty
| |     +--rw lldp:dcbx-iscsi-app-tlv?     empty
| |     +--rw lldp:dcbx-tlv?              empty
| |     +--rw lldp:dot1-tlv?              empty
| |     +--rw lldp:dot3-tlv?              empty
| |     +--rw lldp:optional-tlv
| |       +--rw lldp:management-address?   empty
| |       +--rw lldp:port-description?     empty
| |       +--rw lldp:system-capabilities?  empty
| |       +--rw lldp:adv-tlv-system-description? empty /*alt-name:system-
description*/
| |       +--rw lldp:adv-tlv-system-name?   empty /*alt-name:system-name*/

```

brocade-lldp-ext

An extension to the LLDP model for defining RPCs to retrieve LLDP neighbors in the managed device.

RPCs

```

rpcs:
  +---x get-lldp-neighbor-detail
    +---w input
      | +---w (request-type)?
      |   +---:(get-request)
      |     | +---w interface-type?      enumeration
      |     | +---w interface-name?     union
      |     +---:(get-next-request)
      |     +---w last-rcvd-ifindex?    uint32
    +--ro output
      +---ro lldp-neighbor-detail* [local-interface-name remote-interface-name]
        | +--ro local-interface-name      string
        | +--ro local-interface-mac?      interface:mac-address-type
        | +--ro local-interface-ifindex?  uint64
        | +--ro remote-interface-name     string
        | +--ro remote-interface-mac?     interface:mac-address-type
        | +--ro remote-management-address? inet:ip-address
        | +--ro remote-unnum-interface-mac? interface:mac-address-type
        | +--ro remote-unnum-ip-address?  inet:ip-address
        | +--ro remote-port-description?  string
        | +--ro remote-chassis-id?       string
        | +--ro remote-system-name?      string
        | +--ro remote-system-description? string
        | +--ro dead-interval?           uint64
        | +--ro remaining-life?          uint64
        | +--ro lldp-pdu-transmitted?     yang:counter64
        | +--ro lldp-pdu-received?       yang:counter64
        | +--ro bgp-remote-as-number?    uint32
        | +--ro bgp-remote-peer-address?  inet:ip-address
        | +--ro bgp-remote-group-id?     uint32
        | +--ro bgp-remote-id?           inet:ip-address
        | +--ro bgp-remote-session-cap?  uint64
        | +--ro bgp-remote-session-key-chain? string
      +--ro has-more?                    boolean

```

brocade-mac-access-list

Provides a data model for configuring MAC access lists and for applying them to interfaces.

A custom RPC enables retrieval of the configured ingress and egress policies per interface.

Top-level container

```

module: brocade-mac-access-list
  +--rw mac
    +--rw access-list
      +--rw standard* [name]
        | +--rw name mac-acl-name
        | +--rw hide-mac-acl-std
        |   +--rw seq* [seq-id]
        |     +--rw seq-id uint64
        |     +--rw action enumeration
        |     +--rw source union
        |     +--rw srchost mac-address-type
        |     +--rw src-mac-addr-mask src-dst-mac-address-mask-type
        |     +--rw count? empty
        |     +--rw count-sync? empty
        |     +--rw log? empty
        |     +--rw copy-sflow? empty
      +--rw extended* [name]
        +--rw name mac-acl-name
        +--rw hide-mac-acl-ext
        +--rw seq* [seq-id]
          +--rw seq-id uint64
          +--rw action enumeration
          +--rw source union
          +--rw srchost mac-address-type
          +--rw src-mac-addr-mask src-dst-mac-address-mask-type
          +--rw dst union
          +--rw dsthost mac-address-type
          +--rw dst-mac-addr-mask src-dst-mac-address-mask-type
          +--rw vlan-tag-format? enumeration
          +--rw vlan? string
          +--rw vlan-id-mask? vlan-format-vlan-id-mask
          +--rw outer-vlan? string
          +--rw outer-vlan-id-mask? vlan-format-vlan-id-mask
          +--rw inner-vlan? string
          +--rw inner-vlan-id-mask? vlan-format-vlan-id-mask
          +--rw ethertype? union
          +--rw arp-guard? empty
          +--rw pcp? pcp-value
          +--rw pcp-force? pcp-remark
          +--rw drop-precedence-force? drop-prec-uint
          +--rw known-unicast-only? empty
          +--rw unknown-unicast-only? empty
          +--rw count? empty
          +--rw count-sync? empty
          +--rw log? empty
          +--rw mirror? empty
          +--rw copy-sflow? empty

```

RPCs

Return the ingress and egress policies for an interface:

```
rpcs:
  +---x get-mac-acl-for-intf
    +---w input
      | +---w interface-type?  enumeration
      | +---w interface-name?  union
      | +---w direction?      enumeration
    +--ro output
      +--ro interface* [interface-type interface-name]
        +--ro interface-type  enumeration
        +--ro interface-name  union
        +--ro ingress-policy*
          | +--ro policy-name?  string
        +--ro egress-policy*
          | +--ro policy-name?  string
```

brocade-mac-address-table

Provides a data model for configuring the MAC address table and returning information about the MAC address table through the get-mac-address-table custom RPC.

Top-level container

```

module: brocade-mac-address-table
  +--rw mac-address-table
    +--rw static
      | +--rw static-mac* [mac-address forward interface-type interface-name vlan vlanid]
      | | +--rw mac-address      mac-access-list:mac-address-type
      | | +--rw forward          enumeration
      | | +--rw interface-type   enumeration
      | | +--rw interface-name   string
      | | +--rw vlan            enumeration
      | | +--rw vlanid          interface:vlan-type
      | +--rw static-ac-lif* [mac-address-lif forward-lif logical-interface interface-
type-lif logical-interface-name]
      | | +--rw mac-address-lif      mac-access-list:mac-address-type
      | | +--rw forward-lif          enumeration
      | | +--rw logical-interface    enumeration
      | | +--rw interface-type-lif   enumeration
      | | +--rw logical-interface-name logical-ifname
    +--rw aging-time
      | +--rw legacy-time-out?  uint32
    +--rw mac-move
      | +--rw mac-move-detect-enable? empty
      | +--rw mac-move-limit?        uint32
      | +--rw mac-move-action?       enumeration
      | +--rw auto-recovery
      | | +--rw auto-recovery-enable? empty
      | | +--rw auto-recovery-time?   uint32
    +--rw consistency-check
      | +--rw mac-consistency-check-suppress? empty
      | +--rw mac-consistency-check-interval? uint32

```

RPCs

```

rpcs:
  +---x get-mac-address-table
    +---w input
      | +---w (request-type)?
      | | +---:(get-request)
      | | | +---w mac-address?      yang:mac-address
      | | +---:(get-interface-based-request)
      | | | +---w forwarding-interface
      | | | | +---w interface-type?  enumeration
      | | | | +---w interface-name?  union
      | | | +---w mac-type?          enumeration
      | | +---:(get-next-request)
      | | | +---w last-mac-address-details
      | | | | +---w last-mac-address? yang:mac-address
      | | | | +---w last-vlan-id?     interface:vlan-type
      | | | | +---w last-mac-type?    enumeration
      | | | +---w forwarding-interface-type? enumeration
      | | | +---w forwarding-interface-name? union
      | | | +---w mac-address-type?   enumeration
    +---ro output

```

```
++ro mac-address-table* [vlanid mac-address]
| ++ro vlanid                interface:vlan-type
| ++ro mac-address           yang:mac-address
| ++ro mac-type?             enumeration
| ++ro mac-state?            enumeration
| ++ro forwarding-interface*
|   ++ro interface-type?     enumeration
|   ++ro interface-name?     union
++ro has-more?                boolean
```

brocade-mc-hms-operational

Manages the multicast operational information.

Top-level container

```

module: brocade-mc-hms-operational
  +--ro igmp-snooping-state
  |   +--ro multicast-ssm-mapping
  |   |   +--ro ssm-maps* [prefix-list-name]
  |   |   |   +--ro prefix-list-name      string
  |   |   |   +--ro src-ip-addr?          inet:ipv4-address
  |   +--ro igmp-statistics
  |   |   +--ro igmp-statistics* [interface-name]
  |   |   |   +--ro interface-name          string
  |   |   |   +--ro query-edge-recvd?       uint32
  |   |   |   +--ro query-edge-sent?       uint32
  |   |   |   +--ro query-edge-rx-errors?   uint32
  |   |   |   +--ro v1-report-edge-recvd?   uint32
  |   |   |   +--ro v1-report-edge-sent?    uint32
  |   |   |   +--ro v1-report-edge-rx-errors? uint32
  |   |   |   +--ro v2-report-edge-recvd?   uint32
  |   |   |   +--ro v2-report-edge-sent?    uint32
  |   |   |   +--ro v2-report-edge-rx-errors? uint32
  |   |   |   +--ro v3-report-edge-recvd?   uint32
  |   |   |   +--ro v3-report-edge-sent?    uint32
  |   |   |   +--ro v3-report-edge-rx-errors? uint32
  |   |   |   +--ro grp-leave-edge-recvd?   uint32
  |   |   |   +--ro grp-leave-edge-sent?    uint32
  |   |   |   +--ro grp-leave-edge-rx-errors? uint32
  |   |   |   +--ro pim-hello-edge-recvd?   uint32
  |   |   |   +--ro pim-hello-edge-sent?    uint32
  |   |   |   +--ro pim-hello-edge-rx-errors? uint32
  |   |   |   +--ro error-unknown-types?   uint32
  |   |   |   +--ro error-bad-length?      uint32
  |   |   |   +--ro error-bad-checksum?    uint32
  |   +--ro debug-igmp
  |   |   +--ro enable-any?      uint8
  |   |   +--ro error?          uint8
  |   |   +--ro events?         uint8
  |   |   +--ro group?          uint8
  |   |   +--ro packets?        uint8
  |   |   +--ro grp-addr?       inet:ipv4-address
  |   |   +--ro protocol?      uint8
  |   |   +--ro query?         uint8
  |   |   +--ro v1-report?     uint8
  |   |   +--ro direction?     string
  |   |   +--ro phy-port-name?  string
  |   |   +--ro io-port-name?   string
  |   +--ro igmp-snooping-vlans* [vlan-id]
  |   |   +--ro vlan-id          uint32
  |   |   +--ro igmp-snooping-vlans* [vlan-id]
  |   |   |   +--ro vlan-id          uint32
  |   |   |   +--ro multicast-router-ports? string
  |   |   |   +--ro is-querier?      uint8
  |   |   |   +--ro igmp-operation-mode? uint32
  |   |   |   +--ro fast-leave?      uint8
  |   |   |   +--ro qmrt?            uint32
  |   |   |   +--ro lmqi?            uint32
  |   |   |   +--ro qi?              uint32
  |   |   |   +--ro version?         uint8
  |   |   |   +--ro num-of-mcast-grps? uint32

```

```

| | +--ro vlan-groups* [grp-ip-addr]
| | +--ro grp-ip-addr inet:ipv4-address
| | +--ro member-ports? string
| +--ro igmp-snooping-mrouters* [vlan-id]
| | +--ro vlan-id uint32
| | +--ro igmp-snooping-mrouters* [vlan-id]
| | +--ro vlan-id uint32
| | +--ro interface-name? string
| | +--ro expiry-time? int32
| +--ro igmp-l3-interfaces* [interface-name]
| | +--ro interface-name string
| | +--ro igmp-l3-interfaces* [interface-name igmp-querier]
| | +--ro interface-name string
| | +--ro is-igmp-enabled? uint8
| | +--ro query-interval? uint32
| | +--ro other-querier-interval? uint32
| | +--ro query-reponse-time? uint32
| | +--ro last-member-query-interval? uint32
| | +--ro immediate-leave? uint8
| | +--ro igmp-querier inet:ipv4-address
| | +--ro is-igmp-querier-local? uint8
| | +--ro igmp-version? uint8
| +--ro igmp-groups* [group-addr interface-name]
| | +--ro group-addr inet:ipv4-address
| | +--ro interface-name string
| | +--ro igmp-groups* [group-addr interface-name]
| | +--ro group-addr inet:ipv4-address
| | +--ro interface-name string
| | +--ro uptime? string
| | +--ro expiry-time? string
| | +--ro last-reporter? inet:ipv4-address
| | +--ro filter-mode? uint8
| | +--ro member-ship? string
| | +--ro igmpv3-sources* [interface-name]
| | +--ro interface-name string
| | +--ro incl-src-ip* [ipv4-addr]
| | | +--ro ipv4-addr inet:ipv4-address
| | +--ro excl-src-ip* [ipv4-addr]
| | | +--ro ipv4-addr inet:ipv4-address
| +--ro igmp-mct-groups* [cluster-id client-id]
| | +--ro cluster-id uint32
| | +--ro client-id uint32
| | +--ro igmp-entry* [grp-addr src-addr interface-name member-intf]
| | +--ro grp-addr string
| | +--ro src-addr string
| | +--ro interface-name string
| | +--ro member-intf string
| | +--ro member-type? string
| | +--ro filter-mode? string
| | +--ro mcast-df? string
| | +--ro peer-addr? string
| +--ro pim-snp-groups* [vlan-id type]
| | +--ro vlan-id uint32
| | +--ro type string
| | +--ro pim-snp-groups* [group-addr vlan-id]
| | +--ro group-addr inet:ipv4-address
| | +--ro vlan-id uint32
| | +--ro uptime? string
| | +--ro expiry-time? string
| | +--ro last-reporter? inet:ipv4-address
| | +--ro pim-snp-sources* [src-addr]
| | | +--ro src-addr inet:ipv4-address
| | | +--ro src-flags? uint8
| | | +--ro src-uptime? string

```

```

| | | +--ro pim-snp-sg-member-ports* [interface-name]
| | |   +--ro interface-name      string
| | |   +--ro mbr-flags?         uint8
| | |   +--ro flag-string?       string
| | |   +--ro mbr-uptime?        string
| |   +--ro pim-snp-wg-member-ports* [interface-name]
| |     +--ro interface-name      string
| |     +--ro mbr-flags?         uint8
| |     +--ro flag-string?       string
| |     +--ro mbr-uptime?        string
| +--ro igmp-multicast-snooping-vlans* [vlan-id]
| |   +--ro vlan-id              uint32
| |   +--ro igmp-multicast-snooping-vlans* [vlan-id]
| |     +--ro vlan-id            uint32
| |     +--ro pim-sn-status?     uint8
| |     +--ro igmp-sn-status?    uint8
| |     +--ro igmp-version?      uint8
| +--ro igmp-interface-statistics
| |   +--ro interface-name?      string
| |   +--ro query-edge-recvd?    uint32
| |   +--ro query-edge-sent?     uint32
| |   +--ro query-edge-rx-errors? uint32
| |   +--ro v1-report-edge-recvd? uint32
| |   +--ro v1-report-edge-sent?  uint32
| |   +--ro v1-report-edge-rx-errors? uint32
| |   +--ro v2-report-edge-recvd? uint32
| |   +--ro v2-report-edge-sent?  uint32
| |   +--ro v2-report-edge-rx-errors? uint32
| |   +--ro v3-report-edge-recvd? uint32
| |   +--ro v3-report-edge-sent?  uint32
| |   +--ro v3-report-edge-rx-errors? uint32
| |   +--ro grp-leave-edge-recvd? uint32
| |   +--ro grp-leave-edge-sent?  uint32
| |   +--ro grp-leave-edge-rx-errors? uint32
| |   +--ro pim-hello-edge-recvd? uint32
| |   +--ro pim-hello-edge-sent?  uint32
| |   +--ro pim-hello-edge-rx-errors? uint32
| |   +--ro error-unknown-types?  uint32
| |   +--ro error-bad-length?     uint32
| |   +--ro error-bad-checksum?   uint32
+--ro igmp-multicast-snooping-bridge-domains-state* [bd-id]
| +--ro bd-id                    uint32
| +--ro igmp-multicast-snooping-bridge-domains* [bd-id]
| |   +--ro bd-id                uint32
| |   +--ro pim-sn-status?       uint8
| |   +--ro igmp-sn-status?      uint8
| |   +--ro igmp-version?        uint8
+--ro igmp-snooping-bridge-domain-mrouters-state* [bd-id]
| +--ro bd-id                    uint32
| +--ro igmp-snooping-bridge-domain-mrouters* [bd-id]
| |   +--ro bd-id                uint32
| |   +--ro interface-name?      string
| |   +--ro expiry-time?         int32
+--ro igmp-snooping-bridge-domains-state* [bd-id]
| +--ro bd-id                    uint32
| +--ro igmp-snooping-bridge-domains* [bd-id]
| |   +--ro bd-id                uint32
| |   +--ro multicast-router-ports? string
| |   +--ro is-querier?          uint8
| |   +--ro igmp-operation-mode? uint32
| |   +--ro fast-leave?          uint8
| |   +--ro qmrt?                uint32
| |   +--ro lmqi?                uint32
| |   +--ro qi?                  uint32

```

```
+--ro version?          uint8
+--ro num-of-mcast-grps? uint32
+--ro vlan-groups* [grp-ip-addr]
   +--ro grp-ip-addr    inet:ipv4-address
   +--ro member-ports? string
```

brocade-mct

Manages the multi-chassis trunking (MCT) state.

Top-level container

```

module: brocade-mct
  +--rw lvtep
  |   +--rw broadcast-local-bias?   empty
  +--rw cluster* [cluster-name]
    +--rw cluster-name              common-def:name-string64
    +--rw peer?                     inet:ipv4-address
    +--rw peer-interface
    |   +--rw peer-if-type?         enumeration
    |   +--rw peer-if-name?        peer-ifname
    +--rw client-pw?                empty
    +--rw bringup-delay?            uint32
    +--rw peer-keepalive!
    |   +--rw destination
    |   |   +--rw destination-ip?   inet:ipv4-address
    |   |   +--rw source-interface? enumeration
    |   |   +--rw if-name?          peer-ifname
    |   +--rw auto?                 empty
    |   +--rw role?                 enumeration
    +--rw member
    |   +--rw vlan
    |   |   +--rw all?              empty
    |   |   +--rw none?            empty
    |   |   +--rw add?              interface:ui32-vlan-20k-range
    |   |   +--rw except?           interface:ui32-vlan-20k-range
    |   |   +--rw remove?           interface:ui32-vlan-20k-range
    |   +--rw bridge-domain
    |   |   +--rw bd_all?           empty
    |   |   +--rw bd_none?         empty
    |   |   +--rw bd_add?           bd:ui32-bridge-domain-20k-range
    |   |   +--rw bd_except?        bd:ui32-bridge-domain-20k-range
    |   |   +--rw bd_remove?        bd:ui32-bridge-domain-20k-range
    +--rw shutdown
    |   +--rw shutdown_all?         empty
    +--rw clients?                  empty

```

brocade-mld-snooping

Top-level container

```
+--rw mld-snooping
  +--rw ipv6
    +--rw pim
      | +--rw snooping
      |   +--rw pimv6-enable?  empty
    +--rw mld
      +--rw ssm-map
        +--rw ssmmap-enable?    empty
        +--rw mlds-prefix-list* [mlds-prefix-list-name mlds-prefix-src-addr]
          +--rw mlds-prefix-list-name    ipv6-prefix-name-t
          +--rw mlds-prefix-src-addr     inet:ipv6-address
```

brocade-mpls

Provides a data model to manage the Multiprotocol Label Switching (MPLS) protocol.

Top-level container

```

module: brocade-mpls
  +--rw mpls-config
    +--rw router
      +--rw mpls!
        +--rw mpls-cmds-holder
          +--rw lsp-xc-traps
            | +--rw lsp-xc-traps-enable? empty
          +--rw policy!
            | +--rw policy-admin-group* [admin-group-name admin-group-number]
            | | +--rw admin-group-name string
            | | +--rw admin-group-number uint32
            | +--rw backup-retry-time? uint32
            +--rw cspf-computation-mode
              | +--rw use-bypass-liberal? empty
              | +--rw use-bypass-metric? empty
              | +--rw ignore-overload-bit? empty
              | +--rw cspf-metric-type? cspf-computation-mode
            +--rw cspf-group-computation
              | +--rw add-penalty? empty
            +--rw cspf-interface-constraint? empty
            +--rw handle-isis-neighbor-down? empty
            +--rw handle-ospf-neighbor-down? empty
            +--rw retry-time? uint32
            +--rw retry-limit? uint32
            +--rw rapid-retry? enable-disable
            +--rw rsvp-periodic-flooding-time? uint32
            +--rw rsvp-flooding-threshold
              | +--rw rsvp-flooding-threshold-down* uint32
              | +--rw rsvp-flooding-threshold-up* uint32
            +--rw soft-preemption
              | +--rw cleanup-timer? uint32
            +--rw global-auto-bandwidth!
              | +--rw autobw-sample-interval? uint32
              | +--rw autobw-num-sample-record? uint32
            +--rw implicit-commit
              | +--rw (implicit-commit-options)?
              | | +--:(implicit-commit-case-all)
              | | | +--rw implicit-commit-all? empty
              | | +--:(implicit-commit-case-selective)
              | | | +--rw implicit-commit-autobw-adjustment? empty
              | | | +--rw implicit-commit-lsp-reoptimize-timer? empty
            +--rw traffic-engineering
              | +--rw isis-set-level? enumeration
              | +--rw traffic-eng-ospf
              | | +--rw area
              | | | +--rw (ch-ospf-area-type)?
              | | | +--:(ca-area-type-ip-address)
              | | | | +--rw ospf-area-as-ip-address? inet:ipv4-address
              | | | +--:(ca-area-type-decimal)
              | | | | +--rw ospf-area-as-decimal? uint32
              | | | +--:(ca-area-all)
              | | | +--rw ospf-area-all? empty
            +--rw qos-ttl-mode? enumeration
            +--rw ingress-tunnel-accounting? empty
            +--rw transit-session-accounting? empty

```

```

|   +---rw switchover-activation-delay?   uint32
|   +---rw switchover-hold-tear-delay?    uint32
+---rw rsvp!
|   +---rw refresh-interval?              uint32
|   +---rw refresh-multiple?              uint32
|   +---rw g-refresh-reduction
|   |   +---rw summary-refresh?           empty
|   |   +---rw bundle-message!
|   |   +---rw bundle-send-delay?         uint32
|   +---rw g-reliable-messaging!
|   |   +---rw rapid-retrans-decay?        uint32
|   |   +---rw rapid-retrans-interval?     uint32
|   |   +---rw rapid-retry-limit?         uint32
|   +---rw global-rsvp-hello!
|   |   +---rw global-rsvp-hello-interval? uint32
|   |   +---rw global-rsvp-hello-tolerance? uint32
|   +---rw global-rsvp-hello-acknowledgements? empty
|   +---rw g-rsvp-backup-bw-guarantee?     empty
|   +---rw delay-resv-send?                empty
+---rw ldp!
|   +---rw ldp-holder
|   |   +---rw ldp-ecmp?                  uint32
|   |   +---rw ldp-hello-interval-basic?   uint32
|   |   +---rw ldp-hello-interval-target?   uint32
|   |   +---rw ldp-hello-timeout-basic?     uint32
|   |   +---rw ldp-hello-timeout-target?    uint32
|   |   +---rw ldp-ka-int?                 uint32
|   |   +---rw ldp-ka-int-cnt?             uint32
|   |   +---rw ldp-ka-timeout?             uint32
|   |   +---rw ldp-fec-filter-in?          string
|   |   +---rw ldp-fec-filter-out?         string
|   |   +---rw ldp-advertise-label?        string
|   |   +---rw ldp-fec-l28-for-auto-discovered? empty
|   |   +---rw ldp-lsr-id?                 inet:ipv4-address
|   |   +---rw ldp-session* [ldp-session-ip]
|   |   |   +---rw ldp-session-ip         inet:ipv4-address
|   |   |   +---rw ldp-session-fec-filter-out? string
|   |   |   +---rw ldp-session-auth-key?   string
|   |   +---rw ldp-targeted-peer* [ldp-targeted-peer-ip]
|   |   |   +---rw ldp-targeted-peer-ip    inet:ipv4-address
|   |   +---rw ldp-rcv-label-silence-time? uint32
|   |   +---rw ldp-gr!
|   |   |   +---rw ldp-gr-helper-only?     empty
|   |   |   +---rw ldp-gr-max-neighbor-reconnect-time? uint32
|   |   |   +---rw ldp-gr-max-neighbor-recovery-time?  uint32
|   |   |   +---rw ldp-gr-reconnect-time?    uint32
|   |   |   +---rw ldp-gr-recovery-time?     uint32
|   |   +---rw ldp-eol!
|   |   |   +---rw ldp-eol-tx-silence?      uint32
|   |   |   +---rw ldp-eol-notification?    uint32
|   |   +---rw ldp-tunnel-metric?          uint32
|   |   +---rw ldp-lw-delay?               uint32
+---rw dynamic-bypass!
|   +---rw mpls-dynamic-bypass-sub-cmds
|   |   +---rw dynamic-bypass-max-bypasses?   uint32
|   |   +---rw dynamic-bypass-max-bypasses-per-mp? uint32
|   |   +---rw dynamic-bypass-enable-all-interfaces? empty
|   |   +---rw dynamic-bypass-reoptimize-timer? uint32
|   |   +---rw dynamic-bypass-disable?        empty
+---rw mpls-interface* [interface-type interface-name]
|   +---rw interface-type                    enumeration
|   +---rw interface-name                    interface-type
|   +---rw mpls-interface-ldp-enable?        empty
|   +---rw ldp-params

```

```

| | +--rw ldp-param-cmds
| |   +--rw hello-interval?   uint32
| |   +--rw hello-timeout?   uint32
| +--rw rsvp
| |   +--rw rsvp-reservable-bandwidth
| | |   +--rw (rsvp-reservable-bandwidth-options)?
| | | |   +--:(reservable-bandwidth-case-exact)
| | | | |   +--rw reservable-bandwidth?   uint32
| | | |   +--:(reservable-bandwidth-case-percentage)
| | | | |   +--rw reservable-bandwidth-percentage?   uint32
| | +--rw rsvp-authentication
| | |   +--rw rsvp-authentication-key?   string
| | +--rw interface-rsvp-hello!
| | |   +--rw rsvp-hello-interval?   uint32
| | |   +--rw rsvp-hello-tolerance?   uint32
| |   +--rw rsvp-hello-disable?   empty
| |   +--rw rsvp-te-metric?   uint32
| |   +--rw rsvp-intf-flooding-threshold
| | |   +--rw rsvp-intf-flooding-threshold-down*   uint32
| | |   +--rw rsvp-intf-flooding-threshold-up*   uint32
| |   +--rw interface-rsvp-admin-group*   string
| |   +--rw interface-refresh-reduction
| | |   +--rw summary-refresh?   empty
| | |   +--rw bundle-message!
| | | |   +--rw bundle-send-delay?   uint32
| | |   +--rw rsvp-refresh-reduction-disable?   empty
| |   +--rw interface-reliable-messaging!
| | |   +--rw rapid-retrans-decay?   uint32
| | |   +--rw rapid-retrans-interval?   uint32
| | |   +--rw rapid-retry-limit?   uint32
| | |   +--rw rsvp-reliable-messaging-disable?   empty
| +--rw interface-dynamic-bypass!
| |   +--rw mpls-interface-dynamic-bypass-sub-cmds
| | |   +--rw interface-dynamic-bypass-disable?   empty
| | |   +--rw interface-dynamic-bypass-max-bypasses?   uint32
| | |   +--rw interface-dynamic-bypass-max-bypasses-per-mp?   uint32
| | |   +--rw interface-dynamic-bypass-reoptimize-timer?   uint32
| | |   +--rw interface-dynamic-bypass-cos?   uint32
| | |   +--rw interface-dynamic-bypass-from?   inet:ip-
address
| |   +--rw interface-dynamic-bypass-adaptive?   enable-
disable
| |   +--rw interface-dynamic-bypass-record-route?   enable-
disable
| |   +--rw interface-dynamic-bypass-hop-limit?   uint8
| |   +--rw interface-dynamic-bypass-exclude-any*   string
| |   +--rw interface-dynamic-bypass-include-any*   string
| |   +--rw interface-dynamic-bypass-include-all*   string
| |   +--rw interface-dynamic-bypass-primary-path?   string
| |   +--rw interface-dynamic-bypass-name-prefix?   string
| |   +--rw interface-dynamic-bypass-tie-breaking?   tie-
breaking
| |   +--rw interface-dynamic-bypass-cspf-computation-mode?   cspf-
computation-mode
| |   +--rw priority
| | |   +--rw interface-dynamic-bypass-setup-priority?   uint32
| | |   +--rw interface-dynamic-bypass-holding-priority?   uint32
| |   +--rw traffic-eng
| | |   +--rw interface-dynamic-bypass-traffic-eng-max-burst?   uint32
| | |   +--rw interface-dynamic-bypass-traffic-eng-max-rate?   uint32
| | |   +--rw interface-dynamic-bypass-traffic-eng-mean-rate?   uint32
+--rw autobw-template* [autobw-template-name]
| +--rw autobw-template-name   string
| +--rw adjustment-interval?   uint32

```

```

|   +--rw adjustment-threshold
|   |   +--rw (threshold-options)?
|   |   |   +--:(threshold-case-percentage)
|   |   |   |   +--rw threshold-percentage?    uint32
|   |   |   +--:(threshold-case-table)
|   |   |   |   +--rw use-threshold-table?      empty
|   +--rw min-bandwidth?          uint32
|   +--rw max-bandwidth?          uint32
|   +--rw overflow-limit?         uint32
|   +--rw underflow-limit?       uint32
|   +--rw mode?                  autobw-mode
|   +--rw sample-recording?      enable-disable
+--rw autobw-threshold-table!
|   +--rw autobw-threshold-table-bandwidth* [bandwidth-value]
|   |   +--rw bandwidth-value            uint32
|   |   +--rw autobw-threshold-table-threshold?  uint32
|   +--rw max-bw-threshold
|   |   +--rw (max-bw-threshold-options)?
|   |   |   +--:(max-bw-threshold-case-absolute)
|   |   |   |   +--rw max-bw-threshold-absolute?  uint32
|   |   |   +--:(max-bw-threshold-case-percentage)
|   |   |   |   +--rw max-bw-threshold-percentage?  uint32
+--rw cspf-group* [cspf-group-name]
|   +--rw cspf-group-name          string
|   +--rw cspf-group-ip* [cspf-group-ip-address]
|   |   +--rw cspf-group-ip-address  inet:ipv4-address
|   +--rw cspf-group-link* [cspf-group-link-from cspf-group-link-to]
|   |   +--rw cspf-group-link-from   inet:ipv4-address
|   |   +--rw cspf-group-link-to     inet:ipv4-address
|   +--rw cspf-group-subnet* [cspf-group-subnet-ip]
|   |   +--rw cspf-group-subnet-ip   inet:ipv4-prefix
|   +--rw cspf-group-node* [cspf-group-node-ip]
|   |   +--rw cspf-group-node-ip     inet:ipv4-address
|   +--rw cspf-group-penalty-n
|   |   +--rw cspf-group-penalty?    uint32
+--rw path* [path-name]
|   +--rw path-name                string
|   +--rw path-hop* [path-hop-ip]
|   |   +--rw path-hop-ip          inet:ipv4-address
|   |   +--rw path-hop-type?       strict-loose-hop
|   +--rw path-insert* [path-insert-ip]
|   |   +--rw path-insert-ip       inet:ipv4-address
|   |   +--rw path-insert-type?     strict-loose-hop
|   |   +--rw path-insert-before-hop-ip?  inet:ipv4-address
+--rw bypass-lsp* [bypass-lsp-name]
|   +--rw bypass-lsp-name          string
|   +--rw bypass-lsp-dest-address?  inet:ipv4-address
|   +--rw bypass-lsp-src-address?   inet:ipv4-address
|   +--rw bypass-lsp-tie-breaking?  tie-breaking
|   +--rw lsp-adaptive?             empty
|   +--rw lsp-reoptimize-timer?     uint32
|   +--rw lsp-commit?              empty
|   +--rw lsp-record?              enable-disable
|   +--rw lsp-cos?                 uint32
|   +--rw lsp-hop-limit?           uint16
|   +--rw lsp-cspf-computation-mode? cspf-computation-mode
|   +--rw lsp-traffic-engineering
|   |   +--rw lsp-te-mean-rate?     uint32
|   |   +--rw lsp-te-max-rate?     uint32
|   |   +--rw lsp-te-max-burst?    uint32
|   +--rw priority
|   |   +--rw lsp-setup-priority?   uint32
|   |   +--rw lsp-hold-priority?    uint32
|   +--rw lsp-exclude-any*         string

```

```

| +---rw lsp-include-any*          string
| +---rw lsp-include-all*         string
| +---rw exclude-interface* [bypass-exclude-interface-type bypass-exclude-
interface-name]
| | +---rw bypass-exclude-interface-type    mpls-interface-type
| | +---rw bypass-exclude-interface-name    interface-type
| +---rw bypass-lsp-primary-path?    string
| +---rw bypass-lsp-enable?          empty
+--rw lsp* [lsp-name]
| +---rw lsp-name                    string
| +---rw lsp-dest-address?           inet:ipv4-address
| +---rw lsp-cspf?                   enable-disable
| +---rw lsp-ipmtu?                  uint32
| +---rw lsp-metric?                 uint32
| +---rw lsp-revert-timer?           uint32
| +---rw lsp-tie-breaking?           tie-breaking
| +---rw lsp-src-address?            inet:ipv4-address
| +---rw lsp-primary-path?           string
| +---rw lsp-adaptive?               empty
| +---rw lsp-reoptimize-timer?       uint32
| +---rw lsp-commit?                empty
| +---rw lsp-record?                 enable-disable
| +---rw lsp-cos?                    uint32
| +---rw lsp-hop-limit?              uint16
| +---rw lsp-cspf-computation-mode?  cspf-computation-mode
| +---rw lsp-traffic-engineering
| | +---rw lsp-te-mean-rate?    uint32
| | +---rw lsp-te-max-rate?    uint32
| | +---rw lsp-te-max-burst?   uint32
| +---rw priority
| | +---rw lsp-setup-priority?  uint32
| | +---rw lsp-hold-priority?   uint32
| +---rw lsp-exclude-any*       string
| +---rw lsp-include-any*       string
| +---rw lsp-include-all*       string
| +---rw lsp-soft-preemption?    empty
| +---rw lsp-auto-bandwidth!
| | +---rw lsp-autobw-template?  -> ../../../../autobw-template/autobw-
template-name
| | +---rw adjustment-interval?  uint32
| | +---rw adjustment-threshold
| | | +---rw (threshold-options)?
| | | | +---:(threshold-case-percentage)
| | | | | +---rw threshold-percentage?  uint32
| | | | +---:(threshold-case-table)
| | | | | +---rw use-threshold-table?    empty
| | +---rw min-bandwidth?              uint32
| | +---rw max-bandwidth?              uint32
| | +---rw overflow-limit?             uint32
| | +---rw underflow-limit?           uint32
| | +---rw mode?                      autobw-mode
| | +---rw sample-recording?          enable-disable
| +---rw lsp-frr!
| | +---rw lsp-frr-bandwidth
| | | +---rw (lsp-frr-bandwidth-options)?
| | | | +---:(lsp-frr-bandwidth-case-exact)
| | | | | +---rw lsp-frr-bandwidth?      uint32
| | | | +---:(lsp-frr-bandwidth-case-inherit)
| | | | | +---rw lsp-frr-bandwidth-inherit?  empty
| | +---rw lsp-frr-exclude-any*        string
| | +---rw lsp-frr-include-any*        string
| | +---rw lsp-frr-include-all*        string
| | +---rw lsp-frr-hop-limit?          uint8
| | +---rw lsp-frr-facility-backup?    empty

```

```

| | +--rw lsp-frr-link-protection? empty
| | +--rw lsp-frr-priority
| | | +--rw lsp-frr-setup-priority? uint32
| | | +--rw lsp-frr-hold-priority? uint32
| | +--rw lsp-frr-revertive
| | | +--rw lsp-frr-revertive-holdtime? uint8
| | | +--rw lsp-frr-revertive-mode-global? enable-disable
| +--rw secondary-path* [secpath-name]
| | +--rw secpath-name string
| | +--rw secpath-standby? empty
| | +--rw secpath-cspf? enable-disable
| | +--rw secpath-ipmtu? uint32
| | +--rw lsp-adaptive? empty
| | +--rw lsp-reoptimize-timer? uint32
| | +--rw lsp-commit? empty
| | +--rw lsp-record? enable-disable
| | +--rw lsp-cos? uint32
| | +--rw lsp-hop-limit? uint16
| | +--rw lsp-cspf-computation-mode? cspf-computation-mode
| | +--rw lsp-traffic-engineering
| | | +--rw lsp-te-mean-rate? uint32
| | | +--rw lsp-te-max-rate? uint32
| | | +--rw lsp-te-max-burst? uint32
| | +--rw priority
| | | +--rw lsp-setup-priority? uint32
| | | +--rw lsp-hold-priority? uint32
| | +--rw lsp-exclude-any* string
| | +--rw lsp-include-any* string
| | +--rw lsp-include-all* string
| | +--rw secpath-soft-preemption? empty
| | +--rw lsp-secpath-auto-bandwidth!
| | +--rw lsp-secpath-autobw-template? -> ../../../../autobw-
template/autobw-template-name
| | +--rw adjustment-interval? uint32
| | +--rw adjustment-threshold
| | | +--rw (threshold-options)?
| | | | +--:(threshold-case-percentage)
| | | | | +--rw threshold-percentage? uint32
| | | | +--:(threshold-case-table)
| | | | | +--rw use-threshold-table? empty
| | | +--rw min-bandwidth? uint32
| | | +--rw max-bandwidth? uint32
| | | +--rw overflow-limit? uint32
| | | +--rw underflow-limit? uint32
| | | +--rw mode? autobw-mode
| | | +--rw sample-recording? enable-disable
| +--rw lsp-select-path
| | +--rw lsp-select-path-mode? enumeration
| | +--rw (choice-lsp-select-path-type)?
| | | +--:(case-lsp-select-path-type-primary)
| | | | +--rw lsp-select-path-primary? empty
| | | +--:(case-lsp-select-path-type-secondary)
| | | | +--rw lsp-select-path-secondary-name? string
| +--rw lsp-enable? empty
+--rw segment-routing!
+--rw sr-holder
+--rw srgb* [lower-bound upper-bound]
| +--rw lower-bound uint32
| +--rw upper-bound uint32
+--rw tunnel-metric? uint32
+--rw load-sharing? uint32

```

RPCs

```

rpcs:
  +---x clear-mpls-lsp
  |   +---w input
  |   |   +---w mpls-clear-lsp-name-in?   string
  +---x clear-mpls-rsvp-statistics
  |   +--ro output
  |   |   +--ro clear-mpls-rsvp-statistics-out
  |   |   |   +--ro clear-mpls-rsvp-statistics-ret-msg?   string
  +---x clear-mpls-rsvp-statistics-neighbor
  |   +---w input
  |   |   +---w clear-mpls-rsvp-statistics-neighbor-address?   mpls-ipv4-address
  |   |   +---w clear-mpls-rsvp-statistics-neighbor-all?       boolean
  |   +--ro output
  |   |   +--ro clear-mpls-rsvp-statistics-neighbor-out
  |   |   |   +--ro clear-mpls-rsvp-statistics-neighbor-ret-msg?   string
  +---x clear-mpls-ldp-statistics
  |   +--ro output
  |   |   +--ro clear-mpls-ldp-statistics-out
  |   |   |   +--ro clear-mpls-ldp-statistics-ret-msg?   string
  +---x clear-mpls-statistics
  |   +---w input
  |   |   +---w mpls-clear-statistics-type?   uint8
  |   |   +---w protocol?                     string
  |   |   +---w fec-prefix?                   mpls-ipv4-prefix
  |   |   +---w prefix-address?               mpls-ipv4-address
  |   |   +---w prefix-mask?                 mpls-ipv4-subnet-mask
  |   |   +---w label?                       uint8
  |   |   +---w in-label?                    uint32
  |   |   +---w tunnel-id-present?           uint8
  |   |   +---w tunnel-id?                  uint32
  |   |   +---w bypass?                     uint8
  |   |   +---w tunnel-name?                string
  |   |   +---w tunnel-dest?                mpls-ipv4-address
  |   +--ro output
  |   |   +--ro mpls-clear-statistics-ret-msg?   string
  +---x clear-mpls-ldp-neighbor
  |   +---w input
  |   |   +---w mpls-clear-all-ldp-sessions?   boolean
  |   |   +---w mpls-clear-one-ldp-sessions?   inet:ipv4-address
  |   +--ro output
  |   |   +--ro clear-mpls-ldp-neighbor-out
  |   |   |   +--ro clear-mpls-ldp-neighbor-ret-msg?   string

```

brocade-mpls-operational

Manages the MPLS operational information.

Top-level container

```

module: brocade-mpls-operational
  +--ro mpls-state
  |   +--ro paths-configured?                uint32
  |   +--ro lsps-configured?                 uint32
  |   +--ro lsps-enabled?                    uint32
  |   +--ro lsps-operational?                uint32
  |   +--ro detour-lsps-up?                  uint32
  |   +--ro backup-lsps-up?                  uint32
  |   +--ro bypass-lsps?                     uint32
  |   +--ro bypass-lsps-up?                  uint32
  |   +--ro bypass-lsps-enabled?             uint32
  |   +--ro ldp-lsps-operational?            uint32
  |   +--ro isis-link-fecs?                  uint32
  |   +--ro isis-prefix-fecs?                uint32
  |   +--ro ospf-link-fecs?                  uint32
  |   +--ro ospf-prefix-fecs?                uint32
  |   +--ro transit-lsps-configured?          uint32
  |   +--ro transit-lsps-enabled?            uint32
  |   +--ro transit-lsps-operational?        uint32
  |   +--ro cspf-groups-configured?          uint32
  |   +--ro tunnels-supported?               uint32
  |   +--ro tunnels-allocated?               uint32
  |   +--ro cross-connects-supported?         uint32
  |   +--ro cross-connects-allocated?        uint32
  |   +--ro auto-bw-templates-supported?      uint32
  |   +--ro auto-bw-templates-configured?    uint32
  |   +--ro times-enabled?                   uint32
  |   +--ro ldp
  |   |   +--ro ldp-initialized?              boolean
  |   |   +--ro lsr-id?                      inet:ipv4-address
  |   |   +--ro lsr-id-configured?            boolean
  |   |   +--ro loopback?                    uint8
  |   |   +--ro hello-interval-link?          uint32
  |   |   +--ro hello-interval-target?        uint32
  |   |   +--ro hold-time-sent-link?          uint32
  |   |   +--ro hold-time-sent-target?        uint32
  |   |   +--ro ka-interval?                  uint32
  |   |   +--ro ka-multiple?                  uint32
  |   |   +--ro ka-timeout?                   uint32
  |   |   +--ro ka-timeout-default?           boolean
  |   |   +--ro load-sharing?                 uint8
  |   |   +--ro advertise-fecs-for-prefix-list? string
  |   |   +--ro advertise-fecs-for-prefix-list-exists? boolean
  |   |   +--ro inbound-fecs-filtering-prefix-list? string
  |   |   +--ro inbound-fecs-filtering-prefix-list-exists? boolean
  |   |   +--ro outbound-fecs-filtering-prefix-list? string
  |   |   +--ro outbound-fecs-filtering-prefix-list-exists? boolean
  |   |   +--ro tunnel-metric?                uint16
  |   |   +--ro fec-128-used-for-auto-disc-current? boolean
  |   |   +--ro fec-128-used-for-auto-disc-configured? boolean
  |   |   +--ro end-of-lib?                   boolean
  |   |   +--ro eol-notification-time?        uint32
  |   |   +--ro tx-silence-time?              uint32
  |   |   +--ro rx-silence-time?              uint32
  |   |   +--ro gr-enable?                    boolean
  |   |   +--ro gr-helper?                    boolean

```

```

| | +--ro gr-reconnect-time?                uint32
| | +--ro gr-max-peer-reconnect-time?      uint32
| | +--ro gr-recovery-time?                uint32
| | +--ro gr-max-peer-recovery-time?       uint32
| | +--ro forwarding-state-timer-running?  boolean
| | +--ro forwarding-state-timer-remaining? uint32
| | +--ro lwd-delay?                       uint32
| | +--ro lwd-default?                     boolean
| | +--ro ldp-session-summary
| | | +--ro num-link-sessions?              uint32
| | | +--ro num-operational-link-sessions?  uint32
| | | +--ro num-targeted-sessions?          uint32
| | | +--ro num-operational-targeted-sessions? uint32
| | +--ro tunnels
| | | +--ro total-tunnel-count?             uint32
| | | +--ro ldp-tunnels* [tunnel-destination prefix-length]
| | | | +--ro tunnel-interface-index?      uint32
| | | | +--ro tunnel-metric?               uint32
| | | | +--ro name?                        string
| | | | +--ro tunnel-lsp-state?             uint32
| | | | +--ro tunnel-vif?                  uint32
| | | | +--ro protocol-type?               mpls-protocol
| | | | +--ro out-segments* [outgoing-interface]
| | | | | +--ro outgoing-interface         string
| | | | | +--ro next-hop-ipaddress?        inet:ipv4-address
| | | | +--ro tunnel-destination            inet:ipv4-address
| | | | +--ro prefix-length                uint32
| | +--ro statistics
| | | +--ro protocol-errors* [stats-group]
| | | | +--ro stats-group                  mpls-ldp-stats-error-group
| | | | +--ro protocol-error* [error-type]
| | | | | +--ro error-type                 uint32
| | | | | +--ro count?                     uint32
| | | +--ro protocol-stats* [stats-group]
| | | | +--ro stats-group                  mpls-ldp-stats-error-group
| | | | +--ro protocol-stat* [stat-type]
| | | | | +--ro stat-type                   uint32
| | | | | +--ro rx-count?                   uint32
| | | | | +--ro tx-count?                   uint32
| | +--ro ldp-fec-statistics
| | | +--ro number-of-prefix-fec?           uint32
| | | +--ro number-of-prefix-fec-installed? uint32
| | | +--ro number-of-prefix-fec-filtered-in? uint32
| | | +--ro number-of-prefix-fec-filtered-out? uint32
| | | +--ro number-of-vc-fec-l28?           uint32
| | | +--ro number-of-vc-fec-l29?           uint32
| | | +--ro number-of-vc-fec-installed?     uint32
| | | +--ro number-of-route-upd-proc-errors? uint32
| | | +--ro number-of-vc-fec-proc-errors?    uint32
| | | +--ro number-of-prefix-fec-lwd?        uint32
| | | +--ro number-of-vc-fec?               uint32
| | +--ro interface* [interface-name]
| | | +--ro interface-name                 string
| | | +--ro interface-index?               uint32
| | | +--ro label-space?                   uint32
| | | +--ro neighbor-count?                uint32
| | | +--ro hello-interval?                 uint32
| | | +--ro hello-timeout?                  uint32
| | | +--ro hello-next?                     uint32
| | +--ro ldp-database* [peer-ip own-ip]
| | | +--ro peer-ip                        inet:ipv4-address
| | | +--ro own-ip                         inet:ipv4-address
| | | +--ro upstream* [index]
| | | | +--ro label?                       uint32

```

```

| | | | +--ro prefix?          inet:ipv4-address
| | | | +--ro prefix-length?   uint32
| | | | +--ro fec-type?        uint32
| | | | +--ro stale?           boolean
| | | | +--ro index            uint32
| | | +--ro downstream* [index]
| | | | +--ro label?           uint32
| | | | +--ro prefix?          inet:ipv4-address
| | | | +--ro prefix-length?   uint32
| | | | +--ro fec-type?        uint32
| | | | +--ro stale?           boolean
| | | | +--ro index            uint32
| | | | +--ro state?           string
| | | | +--ro filtered?        boolean
| | | | +--ro lwd?             boolean
| | +--ro targeted-peer* [mpls-ldp-targeted-peer-id]
| | | +--ro mpls-ldp-targeted-peer-id   inet:ipv4-address
| | +--ro path* [path-key]
| | | +--ro path-key            uint32
| | | +--ro destination-route?   inet:ipv4-prefix
| | | +--ro upstream-sessions* [ip]
| | | | +--ro ip                inet:ipv4-address
| | | | +--ro labelspace?       uint32
| | | | +--ro label?            uint32
| | | +--ro downstream-sessions* [ip interface]
| | | | +--ro ip                inet:ipv4-address
| | | | +--ro interface         string
| | | | +--ro labelspace?       uint32
| | | | +--ro label?            uint32
| | +--ro ldp-neighbors* [neighbor-ldpid labelspaceid]
| | | +--ro neighbor-ldpid       inet:ipv4-address
| | | +--ro labelspaceid         uint8
| | | +--ro neighbor-transport?  inet:ipv4-address
| | | +--ro interface-name?      string
| | | +--ro max-hold-time?        uint32
| | | +--ro time-left?           uint32
| | | +--ro up-time?             string
| | | +--ro configured-hold-time? uint32
| | | +--ro neighbor-proposed-hold-time? uint32
| | +--ro ldp-session* [peer-ldp-id peer-label-space-id]
| | | +--ro peer-ldp-id          inet:ipv4-address
| | | +--ro peer-label-space-id  uint8
| | | +--ro state?               string
| | | +--ro adjacency?           string
| | | +--ro role?                string
| | | +--ro max-hold?             uint32
| | | +--ro time-left?           uint32
| | | +--ro session-status?      string
| | | +--ro local-ldp-id?        string
| | | +--ro local-lblspc-id?     string
| | | +--ro next-keepalive?      uint32
| | | +--ro entity-index?        uint32
| | | +--ro targeted-adj-added?  string
| | | +--ro is-retry?            boolean
| | | +--ro next-retry?          uint32
| | | +--ro keepalive-interval?  uint32
| | | +--ro local-keepalive-timeout? uint32
| | | +--ro peer-proposed-keepalive-timeout? uint32
| | | +--ro session-up-time?     string
| | | +--ro md5-auth-key?        string
| | | +--ro tcp-conn-local?      string
| | | +--ro tcp-conn-remote?     string
| | | +--ro tcp-state?           string
| | | +--ro num-fecs-received-from-peer? uint32

```

```

| | | +--ro num-fecs-installed-from-peer?      uint32
| | | +--ro is-fecs-pending-uninstall?         boolean
| | | +--ro num-fecs-filtered-out?             uint32
| | | +--ro num-fecs-filtered-in?             uint32
| | | +--ro filter-prefix-list-name?          string
| | | +--ro filter-prefix-list-exists?        boolean
| | | +--ro is-only-gr-valid?                 boolean
| | | +--ro gr-enabled?                       boolean
| | | +--ro peer-reconnect-time?              uint32
| | | +--ro peer-recovery-time?               uint32
| | | +--ro reconnect-time-in-use?            uint32
| | | +--ro reconnect-time-remaining?         uint32
| | | +--ro recovery-time-in-use?             uint32
| | | +--ro recovery-time-remaining?          uint32
| | | +--ro gr-state?                         string
| | | +--ro local-eol-unrecognized-notification? boolean
| | | +--ro remote-eol-unrecognized-notification? boolean
| | | +--ro does-session-support-eol?         boolean
| | | +--ro local-state?                     boolean
| | | +--ro remote-state?                   boolean
| | | +--ro eol-notification-time?            uint32
| | | +--ro eol-notification-time-remaining?  uint32
| | | +--ro eol-tx-label-silence-time?        uint32
| | | +--ro eol-tx-label-silence-time-remaining? uint32
| | | +--ro eol-rx-label-silence-time?        uint32
| | | +--ro eol-rx-label-silence-time-remaining? uint32
| | | +--ro filtered?                        session-filter-type
| | | +--ro interfaces*                      string
| | | +--ro addresses*                       string
| | | +--ro session-ldp-stats
| | | | +--ro protocol-errors* [stats-group]
| | | | | +--ro stats-group      mpls-ldp-stats-error-group
| | | | | +--ro protocol-error* [error-type]
| | | | | | +--ro error-type    uint32
| | | | | | +--ro count?       uint32
| | | | | +--ro protocol-stats* [stats-group]
| | | | | | +--ro stats-group    mpls-ldp-stats-error-group
| | | | | | +--ro protocol-stat* [stat-type]
| | | | | | | +--ro stat-type   uint32
| | | | | | | +--ro rx-count?   uint32
| | | | | | | +--ro tx-count?   uint32
| | | | +--ro filtered-fecs-in* [fec-addr fec-type]
| | | | | +--ro fec-addr      inet:ipv4-prefix
| | | | | +--ro fec-type     fec-type
| | | | | +--ro label?       uint32
| | | | +--ro filtered-fecs-out* [fec-addr fec-type]
| | | | | +--ro fec-addr     inet:ipv4-prefix
| | | | | +--ro fec-type     fec-type
| | | +--ro ldp-fec-prefix* [destination]
| | | | +--ro destination    string
| | | | +--ro state?         string
| | | | +--ro ingress?       string
| | | | +--ro egress?        string
| | | | +--ro filtered?      string
| | | | +--ro lwd?           string
| | | | +--ro filter-type?    fec-filter-type
| | | | +--ro prefix-filtered? string
| | | | +--ro longer?        boolean
| | | | +--ro prefix-feccb?   uint32
| | | | +--ro prefix-idx?     uint32
| | | | +--ro prefix-type?    uint32
| | | | +--ro prefix-pend-notif? string
| | | | +--ro prefix-um-dist-done? string
| | | | +--ro prefix-lwd-started? string

```

```

| | | +--ro prefix-is-ldp-o-rsvp?  boolean
| | | +--ro prefix-excess-dms?    boolean
| | | +--ro nexthops* [nexthop]
| | | | +--ro nexthop      string
| | | | +--ro out-intf?   string
| | | +--ro prefix-downstream* [mapping-index]
| | | | +--ro local-ldp-id?      inet:ipv4-address
| | | | +--ro local-ldp-lblspc?  uint32
| | | | +--ro peer-ldp-id?      inet:ipv4-address
| | | | +--ro peer-ldp-lblspc?  uint32
| | | | +--ro label?           uint32
| | | | +--ro state?           string
| | | | +--ro fec-filtered-state? uint32
| | | | +--ro fec-stale?       uint32
| | | | +--ro feccb?           uint32
| | | | +--ro fec-dm-state-dw?  uint32
| | | | +--ro mapping-index     uint32
| | | +--ro prefix-upstream* [mapping-index]
| | | | +--ro local-ldp-id?      inet:ipv4-address
| | | | +--ro local-ldp-lblspc?  uint32
| | | | +--ro peer-ldp-id?      inet:ipv4-address
| | | | +--ro peer-ldp-lblspc?  uint32
| | | | +--ro label?           uint32
| | | | +--ro state?           string
| | | | +--ro fec-filtered-state? uint32
| | | | +--ro fec-stale?       uint32
| | | | +--ro feccb?           uint32
| | | | +--ro fec-dm-state-dw?  uint32
| | | | +--ro mapping-index     uint32
| | +--ro ldp-fec-vc* [peer-id vc-id vc-fec-type vc-type]
| | | +--ro peer-id            inet:ipv4-address
| | | +--ro vc-id              uint32
| | | +--ro vc-fec-type        uint32
| | | +--ro vc-type            uint32
| | | +--ro peer-lblspc?       uint32
| | | +--ro state?            string
| | | +--ro peer-vc-type?      uint32
| | | +--ro ingress?          string
| | | +--ro egress?           string
| | | +--ro vc-feccb?          uint32
| | | +--ro vc-idx?           uint32
| | | +--ro prefix-pend-notif? string
| | | +--ro prefix-um-dist-done? string
| | | +--ro vc-grp-id?         uint32
| | | +--ro vc-local-mtu?      uint32
| | | +--ro vc-remote-mtu?     uint32
| | | +--ro vc-mtu-enforcement? uint32
| | | +--ro vc-agi?           string
| | | +--ro vc-local-flow-label-tx? uint32
| | | +--ro vc-local-flow-label-rx? uint32
| | | +--ro vc-remote-flow-label-tx? uint32
| | | +--ro vc-remote-flow-label-rx? uint32
| | | +--ro vc-control-word-preferred? uint32
| | | +--ro vc-control-word-in-use? uint32
| | | +--ro vc-downstream* [mapping-index]
| | | | +--ro local-ldp-id?      inet:ipv4-address
| | | | +--ro local-ldp-lblspc?  uint32
| | | | +--ro peer-ldp-id?      inet:ipv4-address
| | | | +--ro peer-ldp-lblspc?  uint32
| | | | +--ro label?           uint32
| | | | +--ro state?           string
| | | | +--ro fec-filtered-state? uint32
| | | | +--ro fec-stale?       uint32
| | | | +--ro feccb?           uint32

```

```

| | | +--ro fec-dm-state-dw?      uint32
| | | | +--ro mapping-index      uint32
| | | +--ro vc-upstream* [mapping-index]
| | | | +--ro local-ldp-id?      inet:ipv4-address
| | | | +--ro local-ldp-lblspc?  uint32
| | | | +--ro peer-ldp-id?      inet:ipv4-address
| | | | +--ro peer-ldp-lblspc?  uint32
| | | | +--ro label?            uint32
| | | | +--ro state?            string
| | | | +--ro fec-filtered-state? uint32
| | | | +--ro fec-stale?        uint32
| | | | +--ro feccb?            uint32
| | | | +--ro fec-dm-state-dw?  uint32
| | | | +--ro mapping-index      uint32
| | +--ro memory
| | | +--ro total-non-pool-memory? uint32
| | | +--ro pools* [pool-index]
| | | | +--ro pool-index      uint32
| | | | +--ro sub-pools* [sub-pool-index]
| | | | | +--ro sub-pool-index uint32
| | | | | +--ro gen-size?      uint32
| | | | | +--ro block-size?    uint32
| | | | | +--ro gen-blocks?    uint32
| | | | | +--ro current-gens?  uint32
| | | | | +--ro current-blocks? uint32
| | | | | +--ro free-blocks?   uint32
| | | +--ro stats* [mem-stats-index]
| | | | +--ro mem-stats-index  uint32
| | | | +--ro mem-type?        string
| | | | +--ro num-alloc?       uint32
| | | | +--ro total-bytes?     uint32
| | | | +--ro total-allocs?    uint32
| | | | +--ro total-frees?     uint32
| | | | +--ro peak-alloc?      uint32
| | | | +--ro alloc-fails?     uint32
| | | | +--ro free-fails?      uint32
| | +--ro policy
| | | +--ro cspf-intf?          uint8
| | | +--ro cspf-group-computation-mode? mpls-cspf-grp-comp-mode
| | | +--ro cspf-comp-mode?      uint32
| | | +--ro cspf-comp-ignore-overload-bit? uint8
| | | +--ro implicit-commit-value? uint32
| | | +--ro qos-ttl-mode?        qos-ttl-mode
| | | +--ro rtm-route-filter-enabled? boolean
| | | +--ro rtm-route-filter-all-ibgp-enabled? boolean
| | | +--ro ingress-tnnl-actg?   uint8
| | | +--ro transit-session-actg? uint8
| | | +--ro load-interval?       uint16
| | | +--ro te-policy-protocol?   te-protocol
| | | +--ro te-policy-flags?      uint16
| | | +--ro te-policy-area?       uint32
| | | +--ro handle-isis-nbr-down? uint8
| | | +--ro handle-ospf-nbr-down? uint8
| | | +--ro max-lsp-retries?      uint16
| | | +--ro fast-retry-on?        uint8
| | | +--ro lsp-retry-interval?   uint16
| | | +--ro frr-backup-retry-interval? uint32
| | | +--ro auto-bandwidth-enabled? uint8
| | | +--ro autobw-sample-interval? uint32
| | | +--ro autobw-num-sample-record? uint32
| | | +--ro soft-preempt-cleanup-timer? uint16
| | | +--ro rsvp-periodic-flooding-timer? uint16
| | | +--ro switchover-activation-delay? uint32
| | | +--ro switchover-hold-tear-delay? uint32

```

```

| | +--ro admin-groups* [name]
| | | +--ro name string
| | | +--ro group-number? uint8
| | +--ro rsvp-flooding-thresholds* [threshold-type]
| | | +--ro threshold-type string
| | | +--ro flooding-thresholds* uint32
| +--ro rsvp
| | +--ro protocol-status? boolean
| | +--ro refresh-interval? uint16
| | +--ro refresh-multiple? uint16
| | +--ro transport-address? inet:ipv4-address
| | +--ro delay-resv-sending? boolean
| | +--ro backup-bandwidth-requirement? boolean
| | +--ro msgid-epoch* uint32
| | +--ro statistics
| | | +--ro packet-error-counters
| | | | +--ro rx-pkt-bad-length? uint64
| | | | +--ro rx-pkt-unknown-type? uint64
| | | | +--ro rx-pkt-bad-version? uint64
| | | | +--ro rx-pkt-bad-checksum? uint64
| | | | +--ro rx-pkt-non-mpls-if? uint64
| | | | +--ro mem-alloc-fail? uint64
| | | | +--ro rx-md5-auth-error? uint64
| | | | +--ro path-state-timeout? uint64
| | | | +--ro resv-state-timeout? uint64
| | | | +--ro pkt-with-msg-id-drop? uint64
| | | | +--ro pkt-with-sref-drop? uint64
| | | | +--ro rx-pkt-bad-length-since-last-clear? uint64
| | | | +--ro rx-pkt-unknown-type-since-last-clear? uint64
| | | | +--ro rx-pkt-bad-version-since-last-clear? uint64
| | | | +--ro rx-pkt-bad-checksum-since-last-clear? uint64
| | | | +--ro rx-pkt-non-mpls-if-since-last-clear? uint64
| | | | +--ro mem-alloc-fail-since-last-clear? uint64
| | | | +--ro rx-md5-auth-error-since-last-clear? uint64
| | | | +--ro path-state-timeout-since-last-clear? uint64
| | | | +--ro resv-state-timeout-since-last-clear? uint64
| | | | +--ro pkt-with-msg-id-drop-since-last-clear? uint64
| | | | +--ro pkt-with-sref-drop-since-last-clear? uint64
| | | | +--ro path-errors? uint64
| | | | +--ro resv-errors? uint64
| | | | +--ro patherr-errors? uint64
| | | | +--ro resverr-errors? uint64
| | | | +--ro pathtear-errors? uint64
| | | | +--ro resvttear-errors? uint64
| | | | +--ro resvconf-errors? uint64
| | | | +--ro bundle-errors? uint64
| | | | +--ro ack-errors? uint64
| | | | +--ro sumrefresh-errors? uint64
| | | | +--ro hello-errors? uint64
| | | | +--ro nackobject-errors? uint64
| | | | +--ro path-errors-since-last-clear? uint64
| | | | +--ro resv-errors-since-last-clear? uint64
| | | | +--ro patherr-errors-since-last-clear? uint64
| | | | +--ro resverr-errors-since-last-clear? uint64
| | | | +--ro pathtear-errors-since-last-clear? uint64
| | | | +--ro resvttear-errors-since-last-clear? uint64
| | | | +--ro resvconf-errors-since-last-clear? uint64
| | | | +--ro bundle-errors-since-last-clear? uint64
| | | | +--ro ack-errors-since-last-clear? uint64
| | | | +--ro sumrefresh-errors-since-last-clear? uint64
| | | | +--ro hello-errors-since-last-clear? uint64
| | | | +--ro nackobject-errors-since-last-clear? uint64
| | | +--ro packet-counters
| | | | +--ro path-tx? uint64

```

```

| | | +--ro resv-tx?                               uint64
| | | +--ro patherr-tx?                             uint64
| | | +--ro resverr-tx?                             uint64
| | | +--ro pathtear-tx?                             uint64
| | | +--ro resvtear-tx?                             uint64
| | | +--ro resvconf-tx?                             uint64
| | | +--ro bundle-tx?                               uint64
| | | +--ro ack-tx?                                   uint64
| | | +--ro sumrefresh-tx?                           uint64
| | | +--ro hello-tx?                                uint64
| | | +--ro path-rx?                                 uint64
| | | +--ro resv-rx?                                 uint64
| | | +--ro patherr-rx?                              uint64
| | | +--ro resverr-rx?                              uint64
| | | +--ro pathtear-rx?                             uint64
| | | +--ro resvtear-rx?                             uint64
| | | +--ro resvconf-rx?                             uint64
| | | +--ro bundle-rx?                               uint64
| | | +--ro ack-rx?                                   uint64
| | | +--ro sumrefresh-rx?                           uint64
| | | +--ro hello-rx?                                uint64
| | | +--ro path-tx-since-last-clear?                uint64
| | | +--ro resv-tx-since-last-clear?                uint64
| | | +--ro patherr-tx-since-last-clear?             uint64
| | | +--ro resverr-tx-since-last-clear?             uint64
| | | +--ro pathtear-tx-since-last-clear?            uint64
| | | +--ro resvtear-tx-since-last-clear?            uint64
| | | +--ro resvconf-tx-since-last-clear?            uint64
| | | +--ro bundle-tx-since-last-clear?              uint64
| | | +--ro ack-tx-since-last-clear?                 uint64
| | | +--ro sumrefresh-tx-since-last-clear?          uint64
| | | +--ro hello-tx-since-last-clear?               uint64
| | | +--ro path-rx-since-last-clear?                uint64
| | | +--ro resv-rx-since-last-clear?                uint64
| | | +--ro patherr-rx-since-last-clear?             uint64
| | | +--ro resverr-rx-since-last-clear?             uint64
| | | +--ro pathtear-rx-since-last-clear?            uint64
| | | +--ro resvtear-rx-since-last-clear?            uint64
| | | +--ro resvconf-rx-since-last-clear?            uint64
| | | +--ro bundle-rx-since-last-clear?              uint64
| | | +--ro ack-rx-since-last-clear?                 uint64
| | | +--ro sumrefresh-rx-since-last-clear?          uint64
| | | +--ro hello-rx-since-last-clear?               uint64
| | +--ro igp-sync
| | | +--ro isis-nbr-down-enabled?    boolean
| | | +--ro ospf-nbr-down-enabled?    boolean
| | | +--ro link* [ip-address nbr-ip-address]
| | | | +--ro ip-address              inet:ipv4-address
| | | | +--ro nbr-ip-address          inet:ipv4-address
| | | | +--ro remote-ip?              inet:ipv4-address
| | | | +--ro lsp-count?              uint32
| | | | +--ro lsp* [lsp-name lsp-instance-id]
| | | | | +--ro lsp-name                string
| | | | | +--ro lsp-instance-id          uint32
| | | | | +--ro path-name?              string
| | | | | +--ro cspf-enabled?            boolean
| | | | | +--ro rro-enabled?            boolean
| | | | | +--ro frr-enabled?            boolean
| | | | | +--ro nbr-down-enabled?       boolean
| | | | | +--ro link-count?            uint32
| | | | | +--ro nbr-down-inprogress?    boolean
| | | | | +--ro cspf-hop-count?         uint32
| | | | | +--ro rro-hop-count?          uint32
| | | | +--ro hops* [index hop-type]

```

```

| | | | +--ro index                uint32
| | | | +--ro hop-type              igp-sync-hop-type
| | | | +--ro ip-address?           inet:ipv4-address
| | | | +--ro nbr-ip-address?       inet:ipv4-address
| | | +--ro lsp* [lsp-name lsp-instance-id]
| | | | +--ro lsp-name              string
| | | | +--ro lsp-instance-id       uint32
| | | | +--ro path-name?           string
| | | | +--ro cspf-enabled?         boolean
| | | | +--ro rro-enabled?          boolean
| | | | +--ro frr-enabled?          boolean
| | | | +--ro nbr-down-enabled?     boolean
| | | | +--ro link-count?           uint32
| | | | +--ro nbr-down-inprogress?  boolean
| | | | +--ro cspf-hop-count?       uint32
| | | | +--ro rro-hop-count?        uint32
| | | | +--ro hops* [index hop-type]
| | | | | +--ro index                uint32
| | | | | +--ro hop-type              igp-sync-hop-type
| | | | | +--ro ip-address?           inet:ipv4-address
| | | | | +--ro nbr-ip-address?       inet:ipv4-address
| | +--ro interfaces* [interface-name]
| | | +--ro interface-name          string
| | | +--ro interface-type?         dcm-interface-type
| | | +--ro interface-index?        uint32
| | | +--ro admin-status?           boolean
| | | +--ro oper-status?            boolean
| | | +--ro is-tunnel-interface?    boolean
| | | +--ro hello-interval?         uint32
| | | +--ro hello-tolerance?        uint32
| | | +--ro hello-status?           feature-config-status
| | | +--ro is-md5-auth-enabled?    boolean
| | | +--ro reliable-messages?      feature-config-status
| | | +--ro bundle-messages?        feature-config-status
| | | +--ro summary-refresh?        feature-config-status
| | | +--ro active-outsegs?         uint32
| | | +--ro inactive-outsegs?       uint32
| | | +--ro bandwith-resv-outsegs?  uint32
| | | +--ro active-backup-outsegs?  uint32
| | | +--ro inactive-backup-outsegs? uint32
| | | +--ro interface-preempts?     uint32
| | | +--ro interface-resv-soft-preempts? uint32
| | | +--ro interface-flooding-up-threshold? feature-config-source
| | | +--ro interface-flooding-down-threshold? feature-config-source
| | | +--ro duplicate-preempts-dropped? uint32
| | | +--ro bypass-interface?       boolean
| | | +--ro interface-tunnel-name?  string
| | | +--ro bypass-tunnel-interface-name? string
| | | +--ro interface-te-up-thresholds* uint32
| | | +--ro interface-te-down-thresholds* uint32
| | | +--ro error-counters
| | | | +--ro recv-md5-auth-errors?  uint64
| | | | +--ro pkt-with-msgid-drop?   uint64
| | | | +--ro pkt-with-sref-drop?    uint64
| | | | +--ro nackobject-errors?     uint64
| | | | +--ro recv-md5-auth-errors-since-last-clear? uint64
| | | | +--ro pkt-with-msgid-drop-since-last-clear? uint64
| | | | +--ro pkt-with-sref-drop-since-last-clear? uint64
| | | | +--ro nackobject-errors-since-last-clear? uint64
| | | +--ro packet-counters
| | | | +--ro path-tx?                uint64
| | | | +--ro resv-tx?                uint64
| | | | +--ro patherr-tx?             uint64
| | | | +--ro resverr-tx?             uint64

```

```

| | | +--ro pathtear-tx?                               uint64
| | | +--ro resvtear-tx?                               uint64
| | | +--ro resvconf-tx?                              uint64
| | | +--ro bundle-tx?                                uint64
| | | +--ro ack-tx?                                    uint64
| | | +--ro sumrefresh-tx?                             uint64
| | | +--ro hello-tx?                                 uint64
| | | +--ro path-rx?                                  uint64
| | | +--ro resv-rx?                                   uint64
| | | +--ro patherr-rx?                                uint64
| | | +--ro resverr-rx?                                uint64
| | | +--ro pathtear-rx?                              uint64
| | | +--ro resvtear-rx?                              uint64
| | | +--ro resvconf-rx?                              uint64
| | | +--ro bundle-rx?                                uint64
| | | +--ro ack-rx?                                    uint64
| | | +--ro sumrefresh-rx?                             uint64
| | | +--ro hello-rx?                                 uint64
| | | +--ro path-tx-since-last-clear?                 uint64
| | | +--ro resv-tx-since-last-clear?                 uint64
| | | +--ro patherr-tx-since-last-clear?              uint64
| | | +--ro resverr-tx-since-last-clear?              uint64
| | | +--ro pathtear-tx-since-last-clear?             uint64
| | | +--ro resvtear-tx-since-last-clear?             uint64
| | | +--ro resvconf-tx-since-last-clear?             uint64
| | | +--ro bundle-tx-since-last-clear?               uint64
| | | +--ro ack-tx-since-last-clear?                  uint64
| | | +--ro sumrefresh-tx-since-last-clear?           uint64
| | | +--ro hello-tx-since-last-clear?               uint64
| | | +--ro path-rx-since-last-clear?                 uint64
| | | +--ro resv-rx-since-last-clear?                 uint64
| | | +--ro patherr-rx-since-last-clear?              uint64
| | | +--ro resverr-rx-since-last-clear?              uint64
| | | +--ro pathtear-rx-since-last-clear?             uint64
| | | +--ro resvtear-rx-since-last-clear?             uint64
| | | +--ro resvconf-rx-since-last-clear?             uint64
| | | +--ro bundle-rx-since-last-clear?               uint64
| | | +--ro ack-rx-since-last-clear?                  uint64
| | | +--ro sumrefresh-rx-since-last-clear?           uint64
| | | +--ro hello-rx-since-last-clear?               uint64
| | +--ro sessions* [dest-ip-addr src-ip-addr tunnel-id session-role]
| | | +--ro dest-ip-addr                               inet:ipv4-address
| | | +--ro src-ip-addr                               inet:ipv4-address
| | | +--ro tunnel-id                                 uint16
| | | +--ro session-role                             session-role
| | | +--ro session-operational-status?               boolean
| | | +--ro psbs* [path-index]
| | | | +--ro path-index                               uint32
| | | | +--ro session-name?                           string
| | | | +--ro session-type?                           session-type
| | | | +--ro path-operational-status?                 boolean
| | | | +--ro session-in-label?                       uint32
| | | | +--ro session-out-label?                      uint32
| | | | +--ro session-out-interface?                  string
| | | | +--ro lsp-id?                                 uint32
| | | | +--ro flap-lock?                              uint32
| | | | +--ro path-refresh?                           uint32
| | | | +--ro path-refresh-ttd?                       uint32
| | | | +--ro resv-refresh?                           uint32
| | | | +--ro resv-refresh-ttd?                       uint32
| | | | +--ro tspec-peak?                             uint32
| | | | +--ro tspec-rate?                             uint32
| | | | +--ro tspec-size?                             uint32
| | | | +--ro tspec-minimum?                          uint32

```

			+--ro tspec-m?	uint32
			+--ro psb-setup-priority?	uint8
			+--ro psb-hold-priority?	uint8
			+--ro session-attribute-all-flags?	uint8
			+--ro sa-flag-label-recording?	boolean
			+--ro sa-flag-soft-preemption-desired?	boolean
			+--ro sa-flag-se-style?	boolean
			+--ro sa-flag-local-protect?	boolean
			+--ro sa-flag-bandwidth-protect?	boolean
			+--ro sa-flag-session-protection-type?	session-
protection-type				
			+--ro session-soft-preemption-wait-timer?	uint32
			+--ro session-preemption-wait-timer?	uint32
			+--ro frr-detour?	boolean
			+--ro frr-facility?	boolean
			+--ro frr-unknown-backup-mode-desired?	boolean
			+--ro frr-unknown-flags?	uint8
			+--ro frr-psb-setup-priority?	uint8
			+--ro frr-psb-hold-priority?	uint8
			+--ro frr-bandwidth?	uint32
			+--ro frr-hoplimit?	uint8
			+--ro frr-method?	frr-method
			+--ro frr-nh-node-protection-available?	boolean
			+--ro frr-nh-node-protection-in-use?	boolean
			+--ro frr-nh-link-protection-available?	boolean
			+--ro frr-nh-link-protection-in-use?	boolean
			+--ro frr-bandwidth-protection-available?	boolean
			+--ro frr-lsp-bringup-abandoned?	boolean
			+--ro frr-updown-transitions?	uint32
			+--ro frr-retries?	uint32
			+--ro frr-session-protection-available?	boolean
			+--ro frr-next-retry?	uint32
			+--ro frr-cost?	uint32
			+--ro frr-cspf-group-computation-mode?	frr-cspf-group-
computation-mode				
			+--ro frr-cspf-group-computation-mode-use-bypass-liberal?	boolean
			+--ro is-downstream-backup-psb?	boolean
			+--ro is-backup-psb?	boolean
			+--ro is-upstream-psb?	boolean
			+--ro is-ps-frr-detour-sent?	boolean
			+--ro is-ps-frr-backup-sent?	boolean
			+--ro is-ps-frr-detour-received?	boolean
			+--ro is-ps-frr-backup-received?	boolean
			+--ro path-received-from-ip?	inet:ipv4-
address				
			+--ro path-received-interface?	string
			+--ro path-received-auth-on?	boolean
			+--ro path-received-message-id?	uint32
			+--ro path-downstream-only?	boolean
			+--ro path-sent-to-ip?	inet:ipv4-
address				
			+--ro path-sent-interface?	string
			+--ro path-sent-auth-on?	boolean
			+--ro path-sent-message-id?	uint32
			+--ro resv-received-from-ip?	inet:ipv4-
address				
			+--ro resv-received-interface?	string
			+--ro resv-received-auth-on?	boolean
			+--ro resv-received-message-id?	uint32
			+--ro session-riding-bypass-name?	string
			+--ro session-style?	session-
reservation-style				
			+--ro points-of-local-repair-detour-rcvd*	inet:ipv4-
address				

```

| | | +--ro avoid-nodes-detour-rcvd* inet:ipv4-
address
| | | +--ro points-of-local-repair-detour-sent* inet:ipv4-
address
| | | +--ro avoid-nodes-detour-sent* inet:ipv4-
address
| | | +--ro session-ero-hops* [ip-addr]
| | | | +--ro ip-addr inet:ipv4-address
| | | | +--ro ero-flag-is-strict-hop? boolean
| | | +--ro session-rro-hops* [ip-addr]
| | | | +--ro ip-addr inet:ipv4-address
| | | | +--ro rro-flag-is-local-protect-available? boolean
| | | | +--ro rro-flag-is-local-protect-in-use? boolean
| | | | +--ro rro-flag-rro-is-router-id? boolean
| | | | +--ro rro-flag-rro-node-protect? boolean
| | | | +--ro rro-flag-rro-bandwidth-protect? boolean
| | +--ro neighbors* [neighbor-ip-addr]
| | | +--ro neighbor-ip-addr inet:ipv4-address
| | | +--ro neighbor-interface? string
| | | +--ro neighbor-status? string
| | | +--ro neighbor-last-status-change? string
| | | +--ro rsvp-hello-tx? uint32
| | | +--ro rsvp-hello-rx? uint32
| | | +--ro refresh-reduction-support? boolean
| | | +--ro msg-id-support? boolean
| | | +--ro active-lsps? uint32
| | | +--ro rsvp-hello-interval? uint32
| | | +--ro rsvp-hello-tolerance? uint32
| | | +--ro neighbor-remote-instance? uint32
| | | +--ro neighbor-local-instance? uint32
| | | +--ro last-hello-rx? uint32
| | | +--ro next-hello-req-tx? uint32
| +--ro dynamic-bypass
| | +--ro dynamic-bypass-global
| | | +--ro config-enable? uint16
| | | | +--ro config-enable-all? uint16
| | | | +--ro reoptimize-timer? uint32
| | | | +--ro max-bypasses-per-mp? uint16
| | | | +--ro max-bypasses? uint16
| | | | +--ro bypass-count? uint16
| | | +--ro dynamic-bypass-interface* [if-name]
| | | | +--ro if-index? uint32
| | | | +--ro if-name string
| | | | +--ro if-type? mpls-if-type
| | | | +--ro active-status? uint8
| | | | +--ro admin-type? uint8
| | | | +--ro admin-status? uint8
| | | | +--ro hop-limit? uint8
| | | | +--ro tie-breaking? uint8
| | | | +--ro cos? uint8
| | | | +--ro cspf-comp-mode? uint8
| | | | +--ro setup-priority? uint8
| | | | +--ro hold-priority? uint8
| | | | +--ro traffic-eng-max-rate? uint32
| | | | +--ro traffic-eng-mean-rate? uint32
| | | | +--ro traffic-eng-max-burst? uint32
| | | | +--ro from-addr? inet:ipv4-address
| | | | +--ro reoptimize-timer? uint32
| | | | +--ro adaptive? uint32
| | | | +--ro record-route? uint32
| | | | +--ro name-prefix? string
| | | | +--ro primary-path? string
| | | | +--ro max-bypasses-per-mp? uint16
| | | | +--ro bypass-count? uint16

```

```

| | +--ro exclude-any?          uint32
| | +--ro include-all?         uint32
| | +--ro include-any?         uint32
| | +--ro status-flags?        uint32
| | +--ro mp-count?            uint32
| | +--ro mp-infos* [router-id]
| |   +--ro router-id          inet:ipv4-address
| |   +--ro bypass-count?      uint16
| +--ro te
| | +--ro ospf-te-enabled?      boolean
| | +--ro isis-te-enabled?      boolean
| | +--ro ospf-area-id?         inet:ipv4-address
| | +--ro isis-level-id?        uint32
| | +--ro database
| | | +--ro router-id?          inet:ipv4-address
| | | +--ro area* [area-id level-id]
| | | | +--ro igp-isis?          boolean
| | | | +--ro igp-ospf?          boolean
| | | | +--ro area-id            inet:ipv4-address
| | | | +--ro level-id           uint32
| | | | +--ro host-name?         string
| | | | +--ro router-id?         inet:ipv4-address
| | | | +--ro total-network-nodes? uint32
| | | | +--ro total-router-nodes? uint32
| | | | +--ro total-p2p-links?   uint32
| | | | +--ro total-p2mp-links?  uint32
| | | | +--ro node* [local-node-id local-router-id]
| | | | | +--ro igp-isis?          boolean
| | | | | +--ro igp-ospf?          boolean
| | | | | +--ro area-id            inet:ipv4-address
| | | | | +--ro level-id           uint32
| | | | | +--ro router?           boolean
| | | | | +--ro network?          boolean
| | | | | +--ro host-name?         string
| | | | | +--ro local-node-id      string
| | | | | +--ro local-router-id    inet:ipv4-address
| | | | | +--ro gen-code?          uint32
| | | | | +--ro lsa-id?            uint32
| | | | | +--ro total-p2p-links?   uint32
| | | | | +--ro total-p2mp-links?  uint32
| | | | | +--ro overloaded?        uint32
| | | | | +--ro link* [local-node-id remote-node-id local-router-id remote-router-
id local-ip remote-ip]
| | | | | | +--ro igp-isis?          boolean
| | | | | | +--ro igp-ospf?          boolean
| | | | | | +--ro area-id            inet:ipv4-address
| | | | | | +--ro level-id           uint32
| | | | | | +--ro local-node-id      string
| | | | | | +--ro remote-node-id     string
| | | | | | +--ro local-router-id    inet:ipv4-address
| | | | | | +--ro remote-router-id   inet:ipv4-address
| | | | | | +--ro local-host-name?   string
| | | | | | +--ro remote-host-name?  string
| | | | | | +--ro router?           boolean
| | | | | | +--ro network?          boolean
| | | | | | +--ro p2p?              boolean
| | | | | | +--ro p2mp?             boolean
| | | | | | +--ro local-ip           inet:ipv4-address
| | | | | | +--ro remote-ip         inet:ipv4-address
| | | | | | +--ro gen-code?          uint32
| | | | | | +--ro lsa-id?            uint32
| | | | | | +--ro pending-delete?    uint32
| | | | | | +--ro igp-metric?        uint32
| | | | | | +--ro te-metric?         uint32

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```

| | | | +--ro admin-group? uint32
| | | | +--ro max-bandwidth? uint32
| | | | +--ro max-reservable-bandwidth? uint32
| | | | +--ro unreserved-priority-0-bandwidth? uint32
| | | | +--ro unreserved-priority-1-bandwidth? uint32
| | | | +--ro unreserved-priority-2-bandwidth? uint32
| | | | +--ro unreserved-priority-3-bandwidth? uint32
| | | | +--ro unreserved-priority-4-bandwidth? uint32
| | | | +--ro unreserved-priority-5-bandwidth? uint32
| | | | +--ro unreserved-priority-6-bandwidth? uint32
| | | | +--ro unreserved-priority-7-bandwidth? uint32
| | | | +--ro srlg* [name]
| | | | | +--ro name string
| | | | | +--ro penalty? uint32
| | | | +--ro srlg* [name]
| | | | | +--ro name string
| | | | | +--ro penalty? uint32
| | +--ro router-id-map* [ip-address]
| | | +--ro ip-address inet:ipv4-address
| | | +--ro router-id? inet:ipv4-address
| | | +--ro resolved? boolean
| | | +--ro igp-isis? boolean
| | | +--ro igp-ospf? boolean
| | | +--ro isis-level? uint32
| | | +--ro ospf-area? inet:ipv4-address
| | | +--ro origin-ted? boolean
| | | +--ro origin-path? uint32
| | | +--ro origin-lsp? uint32
| | | +--ro origin-other? boolean
| +--ro autobw-threshold-table-summary
| | +--ro total-number-of-autobw-threshold-table-entries? uint32
| +--ro statistics-oam
| | +--ro usr-ping-count? uint32
| | +--ro usr-traceroute-count? uint32
| | +--ro echo-req-sent-count? uint32
| | +--ro echo-req-received-count? uint32
| | +--ro echo-req-timeout-count? uint32
| | +--ro echo-resp-sent-count? uint32
| | +--ro echo-resp-received-count? uint32
| | +--ro return-codes* [number]
| | | +--ro number uint32
| | | +--ro name? string
| | | +--ro tx-count? uint32
| | | +--ro rx-count? uint32
| +--ro bfd
| | +--ro admin-status? uint8
| | +--ro min-tx-interval? uint32
| | +--ro min-rx-interval? uint32
| | +--ro detection-time-multiplier? uint8
| +--ro interface* [interface-name]
| | +--ro interface-name string
| | +--ro interface-index? uint32
| | +--ro admin-status? boolean
| | +--ro oper-status? boolean
| | +--ro mtu? uint32
| | +--ro bypass-lsp-count? uint32
| | +--ro max-lsp-priority-level? uint32
| | +--ro is-ldp-enabled? boolean
| | +--ro ldp-tunnel-count? uint32
| | +--ro ldp-transit-tunnel-count? uint32
| | +--ro is-gre-port? boolean
| | +--ro admin-group? uint32
| | +--ro admin-group-max? uint8
| | +--ro admin-group-min? uint8

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```

| | +--ro te-metric?                               uint32
| | +--ro max-bandwidth?                           uint32
| | +--ro max-resv-bandwidth?                       uint32
| | +--ro max-resv-bandwidth-percentage?            uint32
| | +--ro resv-bandwidth*                           uint32
| | +--ro advert-unreserved-bandwidth*              uint32
| | +--ro under-provisioned-bandwidth*              uint32
| +--ro path* [path-name]
| | +--ro path-name          string
| | +--ro usage-count?       uint32
| | +--ro path-hops* [hop-address]
| | | +--ro hop-address      inet:ipv4-address
| | | +--ro hop-type?        uint8
| | +--ro path-lsps* [lsp-name]
| | | +--ro lsp-name         string
| | | +--ro lsp-type?        uint32
| +--ro auto-bandwidth-template* [name]
| | +--ro name                string
| | +--ro adjustment-interval? uint32
| | +--ro adjustment-threshold? uint32
| | +--ro maximum-bandwidth?   uint32
| | +--ro minimum-bandwidth?   uint32
| | +--ro overflow-limit?      uint32
| | +--ro underflow-limit?     uint32
| | +--ro mode?                boolean
| | +--ro sample-recording?     boolean
| | +--ro associated-paths-count? uint32
| | +--ro associated-paths* [lsp-name]
| | | +--ro lsp-name         string
| | | +--ro path-name?       string
| | | +--ro is-active?       boolean
| +--ro autobw-threshold-table-entry* [bandwidth]
| | +--ro bandwidth          uint32
| | +--ro threshold?          uint32
| | +--ro is-percentage-threshold? boolean
| +--ro lsp* [lsp-name]
| | +--ro lsp-name            string
| | +--ro lsp-type?           lsp-type
| | +--ro bypass-lsp-type?    bypass-lsp-type
| | +--ro interface?          string
| | +--ro history*            string
| | +--ro autobw-history*     string
| | +--ro basic
| | | +--ro tunnel-vif-index?      uint32
| | | +--ro lsp-type-bypass?       boolean
| | | +--ro lsp-type-dynamic?      boolean
| | | +--ro from-address-configured? boolean
| | | +--ro from-address?          inet:ipv4-address
| | | +--ro to-address?            inet:ipv4-address
| | | +--ro admin-up?              boolean
| | | +--ro operational-status?    lsp-operational-status
| | | +--ro lsp-is-active?         boolean
| | | +--ro lsp-has-primary-path?  boolean
| | | +--ro path-name?            string
| | | +--ro out-label?            uint32
| | | +--ro out-interface-name?    string
| | | +--ro primary-up?           boolean
| | | +--ro primary-active?        boolean
| | | +--ro lsp-has-secondary?     boolean
| | | +--ro secondary-up?          boolean
| | | +--ro secondary-active?      boolean
| | | +--ro lsp-has-selected-secondary? boolean
| | | +--ro selected-secondary-up? boolean
| | | +--ro selected-secondary-active? boolean

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| | | +--ro primary-is-selected?          boolean
| | | +--ro lsp-has-frr?                  boolean
| | | +--ro frr-up?                      boolean
| | | +--ro frr-active?                  boolean
| | | +--ro up-down-count?               uint32
| | | +--ro retry-count?                 uint32
| | | +--ro down-reason?                 string
| | +--ro forwarding
| | | +--ro tunnel-vif-index?            uint32
| | | +--ro lsp-id?                     uint32
| | | +--ro forwarding-up?              boolean
| | | +--ro primary-active?             boolean
| | | +--ro primary-up?                 boolean
| | | +--ro secondary-active?           boolean
| | | +--ro secondary-up?               boolean
| | | +--ro selected-secondary-active?   boolean
| | | +--ro selected-secondary-up?       boolean
| | | +--ro frr-active?                 boolean
| | | +--ro frr-up?                     boolean
| | | +--ro instance-id?                uint32
| | | +--ro out-port-id?                uint32
| | | +--ro out-port-name?              string
| | | +--ro out-label?                  uint32
| | +--ro frr
| | | +--ro configured?                  boolean
| | | +--ro one-to-one?                  boolean
| | | +--ro one-to-many?                 boolean
| | | +--ro protection-type?             lsp-frr-protection-type
| | | +--ro frr-up?                      boolean
| | | +--ro active?                      boolean
| | | +--ro priority-configured?         boolean
| | | +--ro setup-priority?              uint8
| | | +--ro holding-priority?            uint8
| | | +--ro hop-limit-configured?        boolean
| | | +--ro hop-limit?                   uint8
| | | +--ro bandwidth-inherited?         boolean
| | | +--ro bandwidth-configured?        boolean
| | | +--ro bandwidth?                   uint32
| | | +--ro down-reason?                 string
| | | +--ro computation-mode?            lsp-cspf-computation-mode
| | | +--ro group-computation-mode-default? boolean
| | | +--ro group-computation-mode-add-penalty? boolean
| | | +--ro group-computation-mode-exclude-groups? boolean
| | | +--ro group-computation-mode-high-cost? boolean
| | | +--ro out-port-id?                 uint32
| | | +--ro out-port-name?               string
| | | +--ro out-label?                   uint32
| | | +--ro path-cost?                   uint32
| | | +--ro bypass-name?                 string
| | | +--ro has-secondary-switchover-time? uint32
| | | +--ro secondary-switchover-time?    uint32
| | | +--ro hold-time?                   uint32
| | | +--ro global-revertive?            uint32
| | | +--ro revertive-timer-expired?      uint32
| | | +--ro fwdg-state-primary-up?        boolean
| | | +--ro fwdg-state-primary-active?    boolean
| | | +--ro fwdg-state-primary-down?      boolean
| | | +--ro fwdg-state-secondary-up?      boolean
| | | +--ro fwdg-state-secondary-active?  boolean
| | | +--ro fwdg-state-secondary-down?    boolean
| | | +--ro fwdg-state-detour-up?         boolean
| | | +--ro fwdg-state-detour-active?     boolean
| | | +--ro fwdg-state-detour-down?       boolean
| | | +--ro admin-group-configured?      boolean

```

```

| | | +--ro admin-group-lists* [list-type]
| | |   +--ro list-type      lsp-admin-group-list-type
| | |   +--ro admin-group* [admin-group-id]
| | |     +--ro admin-group-id      uint32
| | |     +--ro admin-group-name?   string
| | |     +--ro exclude-any?       boolean
| | |     +--ro include-all?      boolean
| | |     +--ro include-any?       boolean
| | +--ro backup
| | |   +--ro backup-present?       boolean
| | |   +--ro backup-count?         uint32
| | |   +--ro backup-ingress-count? uint32
| | |   +--ro backup-ingress-active-count? uint32
| | |   +--ro backup-transit-count?  uint32
| | |   +--ro backup-transit-active-count? uint32
| | |   +--ro backup-ingress* [backup-from-address backup-to-address backup-name]
| | |     +--ro backup-from-address  inet:ipv4-address
| | |     +--ro backup-to-address    inet:ipv4-address
| | |     +--ro backup-name          string
| | |     +--ro backup-is-active?    boolean
| | |   +--ro backup-transit* [backup-from-address backup-to-address backup-name]
| | |     +--ro backup-from-address  inet:ipv4-address
| | |     +--ro backup-to-address    inet:ipv4-address
| | |     +--ro backup-name          string
| | |     +--ro backup-is-active?    boolean
| | +--ro auto-bandwidth
| | |   +--ro adjustment-interval?   uint32
| | |   +--ro adjustment-threshold?  uint32
| | |   +--ro maximum-bandwidth?     uint32
| | |   +--ro minimum-bandwidth?     uint32
| | |   +--ro overflow-limit?        uint32
| | |   +--ro underflow-limit?       uint32
| | |   +--ro mode?                  autobw-mode
| | |   +--ro sample-recording?      boolean
| | |   +--ro is-adjustment-interval-inherited? boolean
| | |   +--ro is-adjustment-threshold-inherited? boolean
| | |   +--ro is-maximum-bandwidth-inherited? boolean
| | |   +--ro is-minimum-bandwidth-inherited? boolean
| | |   +--ro is-overflow-limit-inherited? boolean
| | |   +--ro is-underflow-limit-inherited? boolean
| | |   +--ro is-mode-inherited?     boolean
| | |   +--ro is-sample-recording-inherited? boolean
| | |   +--ro working-status?        uint8
| | |   +--ro num-samples-collected? uint32
| | |   +--ro last-sample-traffic-rate? uint32
| | |   +--ro maximum-of-samples-collected? uint32
| | |   +--ro maximum-of-underflow-samples? uint32
| | |   +--ro overflow-count?        uint32
| | |   +--ro underflow-count?       uint32
| | |   +--ro time-to-adjustment?    uint32
| | |   +--ro adjustment-status?     uint8
| | |   +--ro previous-bandwidth?    uint32
| | |   +--ro new-bandwidth?         uint32
| | |   +--ro adjustment-reason?     uint8
| | |   +--ro time-of-last-adjustment? string
| | +--ro instances* [instance-id lsp-id]
| | |   +--ro instance-id            uint32
| | |   +--ro lsp-id                 uint32
| | |   +--ro current-instance?      boolean
| | |   +--ro new-instance?          boolean
| | |   +--ro old-instance?          boolean
| | |   +--ro is-primary?            boolean
| | |   +--ro is-current-secondary?  boolean
| | |   +--ro is-selected-secondary? boolean

```

			+++ro	instance-admin-up?	boolean
			+++ro	instance-is-up?	boolean
			+++ro	instance-is-active?	boolean
			+++ro	is-adaptive?	boolean
			+++ro	is-bypass?	boolean
			+++ro	is-dynamic-bypass?	boolean
			+++ro	config-admin-up?	boolean
			+++ro	config-from-address-configured?	boolean
			+++ro	config-from-address?	inet:ipv4-address
			+++ro	config-to-address?	inet:ipv4-address
			+++ro	config-type-bypass?	boolean
			+++ro	config-type-dynamic?	boolean
			+++ro	config-adaptive?	boolean
			+++ro	config-ospf-area?	inet:ipv4-address
			+++ro	config-isis-level?	uint32
			+++ro	config-number-of-retries-configured?	boolean
			+++ro	config-number-of-retries?	uint32
			+++ro	config-path-select-mode?	lsp-path-selection-mode
			+++ro	config-path-selected-path?	lsp-selected-path
			+++ro	config-path-selected-secondary-name?	string
			+++ro	config-revert-time-configured?	boolean
			+++ro	config-revert-time?	uint32
			+++ro	config-retry-count-configured?	boolean
			+++ro	config-retry-count?	uint32
			+++ro	config-enable-ldp-tunnelling?	boolean
			+++ro	config-shortcut-ospf?	boolean
			+++ro	config-shortcut-area-configured?	boolean
			+++ro	config-shortcut-area?	uint32
			+++ro	config-notify-ospf?	boolean
			+++ro	config-shortcut-isis?	boolean
			+++ro	config-isis-shortcut-level-configured?	boolean
			+++ro	config-isis-shortcut-level?	uint32
			+++ro	config-notify-isis?	boolean
			+++ro	config-metric-configured?	boolean
			+++ro	config-metric?	uint32
			+++ro	config-ospf-ignore-metric?	boolean
			+++ro	config-ospf-relative-metric?	uint32
			+++ro	config-ospf-announce-metric?	boolean
			+++ro	config-ospf-aaf?	uint32
			+++ro	config-isis-ignore-metric?	boolean
			+++ro	config-isis-relative-metric?	uint32
			+++ro	config-isis-announce-configured?	boolean
			+++ro	config-isis-announce-metric?	uint32
			+++ro	config-path-configured?	boolean
			+++ro	config-path?	string
			+++ro	config-reoptimize-timer-configured?	boolean
			+++ro	config-reoptimize-time?	uint32
			+++ro	config-tspec-mtu-configured?	boolean
			+++ro	config-tspec-mtu?	uint32
			+++ro	config-cos-configured?	boolean
			+++ro	config-cos?	uint8
			+++ro	config-mtu-configured?	boolean
			+++ro	config-mtu?	uint32
			+++ro	config-tie-breaking-configured?	boolean
			+++ro	config-tie-break-random?	boolean
			+++ro	config-tie-break-least-fill?	boolean
			+++ro	config-tie-break-most-fill?	boolean
			+++ro	config-cspf-disabled?	boolean
			+++ro	config-rro-disabled?	boolean
			+++ro	config-hot-standby?	boolean
			+++ro	config-pinned?	boolean
			+++ro	config-persistent?	boolean
			+++ro	config-frr-global-revertive?	boolean
			+++ro	config-frr-hold-time?	uint32

			+++ro	config-soft-preempt?	boolean
			+++ro	config-exclude-interface-change?	boolean
			+++ro	config-prority-configured?	boolean
			+++ro	config-setup-prority?	uint8
			+++ro	config-holding-prority?	uint8
			+++ro	config-hop-limit-configured?	boolean
			+++ro	config-hop-limit?	uint8
			+++ro	config-traffic-eng-rate-configured?	boolean
			+++ro	config-traffic-eng-mean-rate?	uint32
			+++ro	config-traffic-eng-max-rate?	uint32
			+++ro	config-traffic-eng-max-burst?	uint32
			+++ro	config-abw-configured?	boolean
			+++ro	config-bfd-configured?	boolean
			+++ro	config-admin-group-configured?	boolean
			+++ro	config-cspf-computation-mode?	lsp-cspf-computation-mode
			+++ro	path-computed-by-cspf?	boolean
			+++ro	path-computed-by-interface-constraint?	boolean
			+++ro	cspf-computation-mode?	lsp-cspf-computation-mode
			+++ro	cspf-group-computation-mode-default?	boolean
			+++ro	cspf-group-computation-mode-add-penalty?	boolean
			+++ro	cspf-group-computation-mode-exclude-groups?	boolean
			+++ro	cspf-group-computation-mode-high-cost?	boolean
			+++ro	cspf-path-cost?	uint32
			+++ro	cspf-path-area?	uint32
			+++ro	cspf-computation-error?	uint32
			+++ro	cspf-exclude-hops-present?	boolean
			+++ro	rsvp-session-present?	boolean
			+++ro	rsvp-session-state-up?	boolean
			+++ro	rsvp-session-state?	uint8
			+++ro	rsvp-session-path-error-code?	uint32
			+++ro	rsvp-session-path-error-value?	uint32
			+++ro	rsvp-session-path-error-node-address?	inet:ipv4-address
			+++ro	rsvp-session-rro-hops-present?	boolean
			+++ro	config-exclude-interface-configured?	boolean
			+++ro	maximum-bandwidth?	uint32
			+++ro	unreserved-priority-0-bandwidth?	uint32
			+++ro	unreserved-priority-1-bandwidth?	uint32
			+++ro	unreserved-priority-2-bandwidth?	uint32
			+++ro	unreserved-priority-3-bandwidth?	uint32
			+++ro	unreserved-priority-4-bandwidth?	uint32
			+++ro	unreserved-priority-5-bandwidth?	uint32
			+++ro	unreserved-priority-6-bandwidth?	uint32
			+++ro	unreserved-priority-7-bandwidth?	uint32
			+++ro	config-frr-configured?	boolean
			+++ro	config-frr-one-to-one?	boolean
			+++ro	config-frr-one-to-many?	boolean
			+++ro	config-frr-priority-configured?	boolean
			+++ro	config-frr-setup-priority?	uint8
			+++ro	config-frr-holding-priority?	uint8
			+++ro	config-frr-hop-limit-configured?	boolean
			+++ro	config-frr-hop-limit?	uint8
			+++ro	config-frr-bandwidth-inherited?	boolean
			+++ro	config-frr-bandwidth-configured?	boolean
			+++ro	config-frr-bandwidth?	uint32
			+++ro	config-frr-admin-group-configured?	boolean
			+++ro	reoptimize-ignore-count?	uint32
			+++ro	reoptimize-time-count?	uint32
			+++ro	instance-frr-configured?	uint32
			+++ro	instance-frr-up?	uint32
			+++ro	instance-frr-active?	uint32
			+++ro	instance-out-port-id?	uint32
			+++ro	instance-out-port-name?	string
			+++ro	instance-out-label?	uint32
			+++ro	instance-revert-time?	uint32

```

| | | +--ro instance-retry-count?                               uint32
| | | +--ro instance-up-down-count?                             uint32
| | | +--ro instance-metric?                                    uint8
| | | +--ro instance-down-reason?                               string
| | | +--ro current-signaled-mean-rate?                         uint32
| | | +--ro config-exclude-interfaces*                          string
| | | +--ro lsp-hops* [hop-index hop-address]
| | | | +--ro hop-index                                         uint32
| | | | +--ro hop-address                                       inet:ipv4-address
| | | | +--ro lsp-hop-type?                                     lsp-hop-type
| | | | +--ro is-strict-hop?                                    boolean
| | | | +--ro hop-is-router-id?                                boolean
| | | | +--ro protection?                                       boolean
| | | | +--ro node-protection?                                  boolean
| | | | +--ro bandwidth-protection?                            boolean
| | | | +--ro protection-in-use?                               boolean
| | | +--ro auto-bandwidth
| | | | +--ro config-template?                                  string
| | | | +--ro adjustment-interval?                             uint32
| | | | +--ro adjustment-threshold?                             uint32
| | | | +--ro maximum-bandwidth?                               uint32
| | | | +--ro minimum-bandwidth?                               uint32
| | | | +--ro overflow-limit?                                   uint32
| | | | +--ro underflow-limit?                                 uint32
| | | | +--ro mode?                                             autobw-mode
| | | | +--ro sample-recording?                                boolean
| | | +--ro admin-group-lists* [list-type]
| | | | +--ro list-type                                         lsp-admin-group-list-type
| | | | +--ro admin-group* [admin-group-id]
| | | | | +--ro admin-group-id                                  uint32
| | | | | +--ro admin-group-name?                              string
| | | | | +--ro exclude-any?                                    boolean
| | | | | +--ro include-all?                                  boolean
| | | | | +--ro include-any?                                    boolean
| | +--ro secondary-path* [path-name instance-id]
| | | +--ro path-name                                           string
| | | +--ro instance-id                                         boolean
| | | +--ro path-up?                                           boolean
| | | +--ro active?                                             boolean
| | | +--ro committed?                                          boolean
| | | +--ro is-new-instance?                                    boolean
| | | +--ro is-current-secondary?                               boolean
| | | +--ro is-selected-secondary?                              boolean
| | | +--ro config-adaptive?                                    boolean
| | | +--ro config-reoptimize-timer-configured?                boolean
| | | +--ro config-reoptimize-timer?                            uint32
| | | +--ro config-reoptimize-timer-count?                     uint32
| | | +--ro config-tspec-mtu-configured?                       boolean
| | | +--ro config-tspec-mtu?                                   uint32
| | | +--ro config-cos-configured?                              boolean
| | | +--ro config-cos?                                         uint32
| | | +--ro config-mtu-configured?                              boolean
| | | +--ro config-mtu?                                         uint32
| | | +--ro config-tie-breaking-configured?                    boolean
| | | +--ro config-tie-break-random?                            boolean
| | | +--ro config-tie-break-least-fill?                        boolean
| | | +--ro config-tie-break-most-fill?                        boolean
| | | +--ro config-cspf-disabled?                              boolean
| | | +--ro config-rro-disabled?                               boolean
| | | +--ro config-hot-standby?                                 boolean
| | | +--ro config-pinned?                                      boolean
| | | +--ro config-persistent?                                  boolean
| | | +--ro config-soft-preempt?                                boolean
| | | +--ro config-priority-configured?                         boolean

```

```

| | +--ro config-setup-prority?          uint8
| | +--ro config-holding-prority?       uint8
| | +--ro config-hop-limit-configured?  boolean
| | +--ro config-hop-limit?            uint8
| | +--ro config-traffic-eng-rate-configured? boolean
| | +--ro config-traffic-eng-mean-rate? uint32
| | +--ro config-traffic-eng-max-rate?  uint32
| | +--ro config-traffic-eng-max-burst? uint32
| | +--ro config-abw-configured?        boolean
| | +--ro config-cspf-computation-mode? lsp-cspf-computation-mode
| | +--ro config-admin-group-configured? boolean
| | +--ro admin-group-lists* [list-type]
| | | +--ro list-type          lsp-admin-group-list-type
| | | +--ro admin-group* [admin-group-id]
| | | | +--ro admin-group-id    uint32
| | | | +--ro admin-group-name? string
| | | | +--ro exclude-any?     boolean
| | | | +--ro include-all?    boolean
| | | | +--ro include-any?     boolean
| | +--ro auto-bandwidth
| | | +--ro config-template?     string
| | | +--ro adjustment-interval? uint32
| | | +--ro adjustment-threshold? uint32
| | | +--ro maximum-bandwidth?   uint32
| | | +--ro minimum-bandwidth?   uint32
| | | +--ro overflow-limit?      uint32
| | | +--ro underflow-limit?     uint32
| | | +--ro mode?                autobw-mode
| | | +--ro sample-recording?    boolean
| +--ro forwarding-entry* [entry-index sync-index]
| | +--ro entry-index            uint32
| | +--ro sync-index            uint32
| | +--ro dest-ip-prefix?       inet:ipv4-prefix
| | +--ro in-label?             uint32
| | +--ro out-label?            uint32
| | +--ro protocol?             mpls-protocol
| | +--ro out-interface-name?   string
| | +--ro nexthop-ip-addr?      inet:ipv4-address
| | +--ro type?                 mpls-forwarding-entry-type
| | +--ro isis-level?           uint32
| +--ro route* [entry-index]
| | +--ro entry-index            uint32
| | +--ro outseg-index?         uint32
| | +--ro dest-ip-prefix?       inet:ipv4-prefix
| | +--ro gateway-ip-addr?      inet:ipv4-address
| | +--ro out-interface-name?   string
| | +--ro out-label?            uint32
| | +--ro protocol?             mpls-protocol
| | +--ro vif-index?            uint32
| | +--ro metric?               uint32
| | +--ro use-count?            uint32
| | +--ro isis-level?           uint32
| +--ro tunnel-traffic-statistics* [index]
| | +--ro number-of-packets?     uint64
| | +--ro number-of-packets-since-clear? uint64
| | +--ro number-of-bytes?       uint64
| | +--ro number-of-bytes-since-clear? uint64
| | +--ro packets-per-second?    uint64
| | +--ro bytes-per-second?      uint64
| | +--ro averaging-interval-seconds? uint32
| | +--ro index                  uint32
| | +--ro protocol?             mpls-protocol
| | +--ro name?                  string
| | +--ro is-bypass?            boolean

```

```

| | +--ro statistics-valid?                boolean
| +--ro transit-traffic-statistics* [in-label]
| | +--ro number-of-packets?                uint64
| | +--ro number-of-packets-since-clear?    uint64
| | +--ro number-of-bytes?                  uint64
| | +--ro number-of-bytes-since-clear?      uint64
| | +--ro packets-per-second?              uint64
| | +--ro bytes-per-second?                 uint64
| | +--ro averaging-interval-seconds?      uint32
| | +--ro in-label                          uint32
| | +--ro protocol?                         mpls-protocol
| | +--ro statistics-valid?                boolean
+--ro sr-state
| +--ro tunnels
| | +--ro total-tunnel-count?              uint32
| | +--ro sr-tunnels* [tunnel-destination prefix-length]
| | | +--ro tunnel-interface-index?        uint32
| | | +--ro tunnel-metric?                  uint32
| | | +--ro name?                          string
| | | +--ro tunnel-lsp-state?               uint32
| | | +--ro tunnel-vif?                     uint32
| | | +--ro protocol-type?                  mpls-protocol
| | | +--ro out-segments* [outgoing-interface]
| | | | +--ro outgoing-interface            string
| | | | +--ro next-hop-ipaddress?           inet:ipv4-address
| | | +--ro tunnel-destination              inet:ipv4-address
| | | +--ro prefix-length                   uint32
| +--ro summary
| | +--ro load-sharing?                      uint8
| | +--ro tunnel-metric?                     uint16
| | +--ro current-srgb-range
| | | +--ro lower-range-value?              uint32
| | | +--ro upper-range-value?              uint32
| | +--ro pending-srgb-range
| | | +--ro lower-range-value?              uint32
| | | +--ro upper-range-value?              uint32
+--ro tunnel-status-state* [tunnel-destination]
  +--ro tunnel-destination                  uint32
  +--ro oper-status?                        boolean

```

brocade-nameserver

Provides a data model to manage the Fibre Channel (FC) Name Server, which realizes the FC-GS-6 requirements.

This module provides the means for monitoring the operation and configuring some parameters, of one or more instances of the Fibre Channel Name Server functionality.

The Fibre Channel Name Server provides a way for N_Ports and NL_Ports to register and discover Fibre Channel attributes. Such attributes include names, addresses, types, features, and so on, at various protocol layers, including upper layer protocols specific to Fibre Channel, which are sometimes referred to as FC-4s.

Physically, Fibre Channel is an interconnection of multiple communication points, called N_Ports, interconnected either by a switching network, called a fabric, or by a point-to-point link. A Fibre Channel “node” consists of one or more N_Ports. A fabric may consist of multiple Interconnect Elements, some of which are switches. An N_Port connects to the fabric by way of a port on a switch called an F_Port. When multiple FC nodes are connected to a single port on a switch by way of an Arbitrated Loop topology, the switch port is called an FL_Port, and the nodes’ ports are called NL_Ports. The term Nx_Port is used to refer to either an N_Port or an NL_Port.

RPCs

```

rpcs:
  +---x get-nameserver-detail
    +--ro output
      +--ro show-nameserver* [nameserver-portid]
        +--ro nameserver-portid          nameserver-portid-type
        +--ro nameserver-portname?       common-def:wwn-type
        +--ro nameserver-nodename?       common-def:wwn-type
        +--ro nameserver-scr?             uint32
        +--ro nameserver-fc4s?            nameserver-fc4s-type
        +--ro nameserver-portsymb?        nameserver-symbolic-name-type
        +--ro nameserver-nodesymb?        nameserver-symbolic-name-type
        +--ro nameserver-fabric-portname? common-def:wwn-type
        +--ro nameserver-permanent-portname? common-def:wwn-type
        +--ro nameserver-devicetype?      nameserver-devicetype-type
        +--ro nameserver-index?           uint32
        +--ro nameserver-porttype?        nameserver-porttype-type
        +--ro nameserver-cos?              nameserver-cos-type
        +--ro nameserver-sharearea?       nameserver-sharearea-type
        +--ro nameserver-redirect?        nameserver-redirect-type
        +--ro nameserver-xlatedomain?     nameserver-xlatedomain-type
        +--ro nameserver-connected-via-ag? nameserver-connected-via-ag-type
        +--ro nameserver-ag-base-device?  nameserver-ag-base-device-type
        +--ro nameserver-real?            nameserver-real-type
        +--ro nameserver-cascaded?        nameserver-cascaded-type

```

brocade-netconf-ext

Provides a data model to manage NETCONF. This module provides an RPC to return client capabilities.

RPCs

```
rpcs:
  +---x get-netconf-client-capabilities
    +---w input
    | +---w session-id?   uint32
    +---ro output
      +---ro session*
        +--ro session-id?   uint32
        +--ro user-name?    string
        +--ro vendor?       string
        +--ro product?      string
        +--ro version?      string
        +--ro identity?     string
        +--ro af-type?      enumeration
        +--ro host-ip-v6?   inet:ipv6-address
        +--ro host-ip?      inet:ipv4-address
        +--ro time?         ietfyang:date-and-time
```

brocade-nsm-operational

This management module is an instrumentation to manage NSM.

Top-level container

```

module: brocade-nsm-operational
  +--ro bridge-domain-state
  |   +--ro intf-name?          string
  |   +--ro bridge-domain-counter
  |   |   +--ro no-of-bd?      uint32
  |   |   +--ro no-of-vpls-bd? uint32
  |   +--ro bridge-domain-list* [bd-id]
  |       +--ro bd-id          uint32
  |       +--ro vc-id?         uint32
  |       +--ro active-ac-lif-count? uint16
  |       +--ro config-ac-lif-count? uint16
  |       +--ro active-vfi-lif-count? uint16
  |       +--ro config-vfi-lif-count? uint16
  |       +--ro local-switching?  boolean
  |       +--ro block-bpdu?      boolean
  |       +--ro bd-type?         uint16
  |       +--ro ve-ifindex?      uint32
  |       +--ro ve-id?          uint32
  |       +--ro pw-profile?      string
  |       +--ro mac-limit?       uint16
  |       +--ro statistics?      boolean
  |       +--ro mac-addr-withdrawal? boolean
  |       +--ro mct-enabled?     boolean
  |       +--ro description?     string
  |       +--ro mac-learning-disable? boolean
  |       +--ro outer-vlan-list* [outer-vlan]
  |           +--ro outer-vlan      uint32
  |           +--ro no-of-up-tagged-ports? uint32
  |           +--ro no-of-up-untagged-ports? uint32
  |           +--ro untagged-ports-list* [lif-name]
  |               +--ro lif-name      string
  |               +--ro lif-ifindex?  uint32
  |               +--ro lif-main-intf-type? nsm-dcm-lif-main-intf-type
  |               +--ro outer-vlan?  uint32
  |               +--ro flags?       uint32
  |               +--ro ivid?        uint32
  |               +--ro encap-id?    uint32
  |               +--ro ingress-stats-id? uint32
  |               +--ro egress-stats-id? uint32
  |               +--ro op-state?    boolean
  |               +--ro service-instance? uint32
  |       +--ro tagged-ports-list* [lif-name]
  |           +--ro lif-name      string
  |           +--ro lif-ifindex?  uint32
  |           +--ro lif-main-intf-type? nsm-dcm-lif-main-intf-type
  |           +--ro outer-vlan?  uint32
  |           +--ro inner-vlan?  uint32
  |           +--ro flags?       uint32
  |           +--ro ivid?        uint32
  |           +--ro encap-id?    uint32
  |           +--ro ingress-stats-id? uint32
  |           +--ro egress-stats-id? uint32
  |           +--ro op-state?    boolean
  |           +--ro service-instance? uint32
  +--ro logical-interface-state
  |   +--ro main-interface-physical* [interface-index intf-name]

```

```

| | +--ro protocol-status?          boolean
| | +--ro admin-status?            boolean
| | +--ro counters* [implicit-lifs explicit-lifs]
| | | +--ro lif-type?              intf-type
| | | +--ro total-lifs?            uint32
| | | +--ro protocol-status-up-lifs? uint32
| | | +--ro binded-lifs?           uint32
| | | +--ro unbinded-lifs?         uint32
| | | +--ro implicit-lifs          uint32
| | | +--ro explicit-lifs          uint32
| | +--ro interface-index          uint32
| | +--ro intf-type?               intf-type
| | +--ro intf-name                string
| | +--ro is-tagged?               boolean
| | +--ro port-mode?               string
| | +--ro logical-interface-physical* [logical-interface-name]
| | | +--ro source-type?           string
| | | +--ro protocol-status?       boolean
| | | +--ro admin-status?          boolean
| | | +--ro lif-index?             uint32
| | | +--ro bridge-domain-index?   uint32
| | | +--ro interface-name?        string
| | | +--ro is-binded?             boolean
| | | +--ro logical-interface-name string
| | | +--ro outer-vlan-id?         uint32
| | | +--ro inner-vlan-id?         uint32
| | | +--ro intf-type?             intf-type
| | | +--ro is-tagged?             boolean
| +--ro main-interface-pseudo-wire* [interface-index]
| | +--ro protocol-status?          boolean
| | +--ro admin-status?            boolean
| | +--ro counters* [implicit-lifs explicit-lifs]
| | | +--ro lif-type?              intf-type
| | | +--ro total-lifs?            uint32
| | | +--ro protocol-status-up-lifs? uint32
| | | +--ro binded-lifs?           uint32
| | | +--ro unbinded-lifs?         uint32
| | | +--ro implicit-lifs          uint32
| | | +--ro explicit-lifs          uint32
| | +--ro interface-index          uint32
| | +--ro logical-interface-pseudo-wire* [logical-interface-name]
| | | +--ro source-type?           string
| | | +--ro protocol-status?       boolean
| | | +--ro admin-status?          boolean
| | | +--ro lif-index?             uint32
| | | +--ro bridge-domain-index?   uint32
| | | +--ro interface-name?        string
| | | +--ro is-binded?             boolean
| | | +--ro logical-interface-name string
| | | +--ro ip-address?            inet:ipv4-address
| +--ro main-interface-tunnel* [interface-index]
| | +--ro protocol-status?          boolean
| | +--ro admin-status?            boolean
| | +--ro counters* [implicit-lifs explicit-lifs]
| | | +--ro lif-type?              intf-type
| | | +--ro total-lifs?            uint32
| | | +--ro protocol-status-up-lifs? uint32
| | | +--ro binded-lifs?           uint32
| | | +--ro unbinded-lifs?         uint32
| | | +--ro implicit-lifs          uint32
| | | +--ro explicit-lifs          uint32
| | +--ro interface-index          uint32
| | +--ro logical-interface-tunnel* [logical-interface-name]
| | | +--ro source-type?           string

```

```

|         +---ro protocol-status?          boolean
|         +---ro admin-status?             boolean
|         +---ro lif-index?                uint32
|         +---ro bridge-domain-index?      uint32
|         +---ro interface-name?           string
|         +---ro is-binded?                boolean
|         +---ro logical-interface-name    string
|         +---ro vni-tni?                  uint32
+---ro packet-encap-processing-state
|   +---ro packet-encap-info-list
|   |   +---ro port-name?                  string
|   |   +---ro link-status?               string
|   |   +---ro encap-type?                string
|   |   +---ro strip-status?              string
+---ro sub-interface-statistics-state
|   +---ro vlan-statistics* [vlan-id]
|   |   +---ro vlan-id                    uint32
|   |   +---ro port-statistics* [port-id]
|   |   |   +---ro rx-packets?            uint64
|   |   |   +---ro tx-packets?            uint64
|   |   |   +---ro rx-bytes?              uint64
|   |   |   +---ro tx-bytes?              uint64
|   |   |   +---ro port-id                uint32
|   |   |   +---ro port-name?            string
|   |   +---ro bridge-domain-statistics* [bd-id]
|   |   |   +---ro bd-id                  uint32
|   |   +---ro lif-statistics* [lif-id]
|   |   |   +---ro rx-packets?            uint64
|   |   |   +---ro tx-packets?            uint64
|   |   |   +---ro rx-bytes?              uint64
|   |   |   +---ro tx-bytes?              uint64
|   |   |   +---ro lif-id                uint32
|   |   |   +---ro lif-name?              string
+---ro topology-group-state
|   +---ro topology-group-data* [topology-group-id]
|   |   +---ro topology-group-id          uint16
|   |   +---ro l2-protocol?                string
|   |   +---ro master-vlan
|   |   |   +---ro vlan-id?                uint16
|   |   |   +---ro control-ports?          string
|   |   |   +---ro free-ports?             string
|   |   +---ro member-vlan* [vlan-id]
|   |   |   +---ro vlan-id                uint16
|   |   |   +---ro free-ports?            string
|   |   +---ro member-bd* [bd-id]
|   |   |   +---ro bd-id                  uint32
|   |   |   +---ro free-ports?            string
+---ro vpn-statistics-state
|   +---ro vpn-vrf-statistics* [vrf-name]
|   |   +---ro vrf-name                    string
|   |   +---ro tunnel-in-pkt?              uint32
|   |   +---ro tunnel-out-pkt?             uint32

```

brocade-ntp

Provides a data model to configure Network Time Protocol (NTP) servers and monitor the active server.

Top-level container

```

module: brocade-ntp
  +--rw ntp
    +--rw server* [ip]
      | +--rw ip inet:ip-address
      | +--rw use-vrf? vrf-ntp
      | +--rw key? uint32
      | +--rw version? uint32
      | +--rw minpoll? uint32
      | +--rw maxpoll? uint32
      | +--rw source-interface-type? aaa:track-iftype
      | +--rw source-interface-number? string-type
    +--rw authentication-key* [keyid]
      | +--rw keyid uint32
      | +--rw encryption-type? enc_type
      | +--rw encryption-key? string
      | +--rw encryption-level? enumeration
    +--rw peer* [peer-ip]
      | +--rw peer-ip inet:ip-address
      | +--rw peer-use-vrf? vrf-ntp
      | +--rw peer-key? uint32
      | +--rw peer-version? uint32
      | +--rw peer-minpoll? uint32
      | +--rw peer-maxpoll? uint32
      | +--rw source-interface-type? aaa:track-iftype
      | +--rw source-interface-number? string-type
    +--rw source-ip? srcip_type
    +--rw disable
      | +--rw all? empty
      | +--rw serve? empty
    +--rw authenticate? empty
    +--rw trusted-key* trust-key
  
```

RPCs

Return address of the active NTP server:

```

rpcs:
  +---x show-ntp
    +--ro output
      +--ro active-server? string
  
```

brocade-onie-grub

To download and install the updater image at ONIE mode automatically.

Top-level container

```

module: brocade-update-onie
  +--rw update
  |   +--rw onie
  |   |   +---x scp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory     string
  |   |   |   |   +---w file?         string
  |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   |   +--ro output
  |   |   |   +--ro upgrade-msg?     string
  |   |   +---x ftp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory     string
  |   |   |   |   +---w file?         string
  |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   |   +--ro output
  |   |   |   +--ro upgrade-msg?     string
  |   |   +---x sftp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory     string
  |   |   |   |   +---w file?         string
  |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   |   +--ro output
  |   |   |   +--ro upgrade-msg?     string

```

Actions

Show the onie status:

```

module: brocade-chassis
  |   +--rw firmware:update
  |   |   +---x firmware:onieversion
  |   |   |   +--ro firmware:output
  |   |   |   +--ro firmware:onie-ver?  string
  |   |   +---x firmware:grubversion
  |   |   |   +--ro firmware:output
  |   |   |   +--ro firmware:grub-ver?  string

```

brocade-ospf

Provides a data model to configure the Open Shortest Path First (OSPF) version 2 protocol.

External augmentations

```

+--rw ospf:interface-eth-ospf-conf
| | | | +--rw ospf:ospf1
| | | |   +--rw ospf:area?                ospf-area-id
| | | |   +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | |   +--rw ospf:authentication-key
| | | |   | +--rw ospf:no-encrypt-auth-key-table
| | | |   | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | |   | +--rw ospf:auth-key-table
| | | |   |   +--rw ospf:encrypttype?    key-type
| | | |   |   +--rw ospf:auth-key?      ospf-auth-psswd-string
| | | |   +--rw ospf:hello-interval?    common-def:time-interval-sec
| | | |   +--rw ospf:dead-interval?     common-def:time-interval-sec
| | | |   +--rw ospf:retransmit-interval? common-def:time-interval-sec
| | | |   +--rw ospf:transmit-delay?    common-def:time-interval-sec
| | | |   +--rw ospf:md5-authentication
| | | |   | +--rw ospf:key-activation-wait-time? common-def:time-interval-sec
| | | |   | +--rw ospf:no-encrypt-key-table
| | | |   | | +--rw ospf:no-encrypt-key-id? uint32
| | | |   | | +--rw ospf:no-encrypt-key?   ospf-auth-psswd-string
| | | |   | +--rw ospf:key-table
| | | |   |   +--rw ospf:key-id?          uint32
| | | |   |   +--rw ospf:key?            key-type
| | | |   |   +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
| | | |   +--rw ospf:cost?                uint32
| | | |   +--rw ospf:network?              enumeration
| | | |   +--rw ospf:intf-ldp-sync?        enumeration
| | | |   +--rw ospf:database-filter
| | | |   | +--rw ospf:all-out?            empty
| | | |   | +--rw ospf:all-external?      database-filter-options
| | | |   | +--rw ospf:all-summary-external? database-filter-options
| | | |   +--rw ospf:mtu-ignore?          empty
| | | |   +--rw ospf:active?              empty
| | | |   +--rw ospf:passive?             empty
| | | |   +--rw ospf:priority?            uint32
| | | |   +--rw ospf:bfd
| | | |   | +--rw ospf:intf-bfd-enable?    empty

```

brocade-ospfv3

Provides a data model to configure the Open Shortest Path First (OSPF) version 3 protocol.

External augmentations

```

module: brocade-interface
+--rw ospfv3:interface-ospfv3-conf
  | | | | +--rw ospfv3:interface-area?      ospf:ospf-area-id
  | | | | +--rw ospfv3:active?              empty
  | | | | +--rw ospfv3:passive?             empty
  | | | | +--rw ospfv3:bfd
  | | | | | +--rw ospfv3:bfd-enable?      empty
  | | | | +--rw ospfv3:cost?               uint32
  | | | | +--rw ospfv3:instance?           uint32
  | | | | +--rw ospfv3:mtu-ignore?         empty
  | | | | +--rw ospfv3:network?            enumeration
  | | | | +--rw ospfv3:priority?           uint32
  | | | | +--rw ospfv3:suppress-linklsa?   empty
  | | | | +--rw ospfv3:authentication
  | | | | | +--rw ospfv3:ipsec-auth-key-config
  | | | | | | +--rw ospfv3:spi?           spi-value-type
  | | | | | | +--rw (ch-algorithm)?
  | | | | | | | +--:(ca-ah-algorithm)
  | | | | | | | | +--rw ospfv3:ah?       algorithm-type-ah
  | | | | | | | | +--rw ospfv3:ah-no-encrypt? empty
  | | | | | | | | +--rw ospfv3:ah-key?   ipsec-authentication-
  | | | | | | | | hexkey-string
  | | | | | | | | | +--:(ca-esp-algorithm)
  | | | | | | | | | +--rw ospfv3:esp?     algorithm-type-esp
  | | | | | | | | | +--rw ospfv3:esp-no-encrypt? empty
  | | | | | | | | | +--rw ospfv3:esp-key? ipsec-authentication-
  | | | | | | | | | hexkey-string
  | | | | | | | | | | +--rw ospfv3:esp-auth? algorithm-type-ah
  | | | | | | | | | | +--rw ospfv3:esp-auth-no-encrypt? empty
  | | | | | | | | | | +--rw ospfv3:esp-auth-key? ipsec-authentication-
  | | | | | | | | | | hexkey-string
  | | | | | | | | | | +--rw ospfv3:ipsec
  | | | | | | | | | | +--rw ospfv3:ipsec-authentication-disable? empty
  | | | | | | | | | | +--rw ospfv3:ifc-key-add-remove-interval? common-def:time-
  | | | | | | | | | | interval-sec
  | | | | | | | | | | +--rw ospfv3:link-interval-properties
  | | | | | | | | | | | +--rw ospfv3:hello-interval? common-def:time-interval-sec
  | | | | | | | | | | | +--rw ospfv3:dead-interval? common-def:time-interval-sec
  | | | | | | | | | | | +--rw ospfv3:hello-jitter? uint32
  | | | | | | | | | | | +--rw ospfv3:retransmit-interval? common-def:time-interval-sec
  | | | | | | | | | | | +--rw ospfv3:transmit-delay? common-def:time-interval-sec

```

brocade-pim

Provides a data model to configure Protocol Independent Multicast (PIM).

External augmentations

```

module: brocade-interface
+--rw pim:pim-intf-phy-cont
  | | | +--rw pim:pim-int-cmd
  | | | +--rw pim:pim-sparse?          empty
  | | | +--rw pim:pim
  | | | | +--rw pim:neighbor-filter?  ip-prefix-name-t
  | | | | +--rw pim:dr-priority?      uint32
  | | | | +--rw pim:ttl-threshold?    uint32
  | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t

module: brocade-interface
+--rw pim:pim-intf-vlan-cont
  | | | +--rw pim:pim-int-cmd
  | | | +--rw pim:pim-sparse?          empty
  | | | +--rw pim:pim
  | | | | +--rw pim:neighbor-filter?  ip-prefix-name-t
  | | | | +--rw pim:dr-priority?      uint32
  | | | | +--rw pim:ttl-threshold?    uint32
  | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t

module: brocade-interface
+--rw pim:pim-intf-loopback-cont
  | | +--rw pim:pim-int-cmd
  | | +--rw pim:pim-sparse?          empty
  | | +--rw pim:pim
  | | | +--rw pim:neighbor-filter?  ip-prefix-name-t
  | | | +--rw pim:dr-priority?      uint32
  | | | +--rw pim:ttl-threshold?    uint32
  | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t

```

brocade-pim-operational

Provides a data model for managing the Protocol-Independent Multicast (PIM) operational information.

Top-level container

```

module: brocade-pim-operational
  +--ro pim-mdt-state
  |   +--ro local-vtep-address?  inet:ipv4-address
  |   +--ro mdt-join-role?      mdt-join-role-type
  |   +--ro group* [group-address]
  |   |   +--ro group-address  inet:ipv4-address
  |   |   +--ro is-default?    boolean
  |   |   +--ro tunnel-info* [id]
  |   |   |   +--ro id          uint32
  |   |   |   +--ro ifindex?    uint32
  |   |   |   +--ro state?      mdt-tunnel-state-type
  |   |   +--ro peer* [source-address]
  |   |   |   +--ro source-address  inet:ipv4-address
  |   |   +--ro rx-path* [source-vtep-address]
  |   |   |   +--ro source-vtep-address  inet:ipv4-address
  |   |   |   +--ro incoming-interface?  string
  |   |   |   +--ro nexthop-address?     inet:ipv4-address
  |   |   +--ro tx-path* [outgoing-interface]
  |   |   |   +--ro outgoing-interface  string
  |   |   |   +--ro nexthop-address?    inet:ipv4-address
  |   |   +--ro bridge-domain* [id]
  |   |   |   +--ro id          uint32
  |   |   +--ro vlan* [id]
  |   |   |   +--ro id          uint32
  |   +--ro pim6-anycast-state* [vrf-name anycast-rp]
  |   |   +--ro vrf-name          string
  |   |   +--ro anycast-rp        inet:ipv6-address
  |   |   +--ro prefix-name?      string
  |   |   +--ro peer-list* [ipv6-addr]
  |   |   |   +--ro ipv6-addr     inet:ipv6-address
  |   +--ro pim6-ecmp-state* [vrf-name addr-filter]
  |   |   +--ro vrf-name          string
  |   |   +--ro addr-filter        inet:ipv6-address
  |   |   +--ro pim6-ecmp* [vrf-name src-ip rp-addr]
  |   |   |   +--ro vrf-name          string
  |   |   |   +--ro src-ip            inet:ipv6-address
  |   |   |   +--ro rp-addr           inet:ipv6-address
  |   |   |   +--ro upstream-nbr?     inet:ipv6-address
  |   |   |   +--ro interface-name?   string
  |   |   |   +--ro interface-count?  uint32
  |   +--ro pim6-global-state* [vrf-name]
  |   |   +--ro vrf-name          string
  |   |   +--ro enable-status?    boolean
  |   |   +--ro max-mcache?        uint32
  |   |   +--ro current-count?     uint32
  |   |   +--ro hello-interval?    uint16
  |   |   +--ro nbr-timeout?        uint16
  |   |   +--ro jp-interval?        uint32
  |   |   +--ro inact-interval?     uint16
  |   |   +--ro hw-drop-status?     boolean
  |   |   +--ro prune-wait-interval? uint8
  |   |   +--ro reg-suppress-time?  uint16
  |   |   +--ro reg-probe-time?     uint16
  |   |   +--ro reg-stop-delay?     uint16
  |   |   +--ro reg-suppress-interval? uint16

```

```

|   +---ro ssm-status?                boolean
|   +---ro spt-threshold?             uint32
|   +---ro ssm-default-prefix?        string
|   +---ro ssm-prefix-name?           string
|   +---ro route-precedence?          string
|   +---ro interfaces* [vrf-name]
|       +---ro vrf-name                string
|       +---ro pim6-interface-data* [vrf-name interface-name interface-type]
|           +---ro vrf-name            string
|           +---ro interface-name      string
|           +---ro interface-type      string
|           +---ro enable-status?      boolean
|           +---ro local-ip-addr?      inet:ipv6-address
|           +---ro pim6-version?      uint8
|           +---ro mode?               string
|           +---ro dr-info?            string
|           +---ro ttl-threshold?      uint8
|           +---ro multicast-boundry?  string
|           +---ro dr-priority?        uint32
+---ro pim6-mcache-state* [vrf-name src-addr grp-addr]
|   +---ro vrf-name                    string
|   +---ro tot-entry-count?            uint32
|   +---ro src-addr                    inet:ipv6-address
|   +---ro grp-addr                    inet:ipv6-address
|   +---ro incoming-if?                string
|   +---ro rp-addr?                    inet:ipv6-address
|   +---ro uptime?                     string
|   +---ro flag-bmp?                   uint32
|   +---ro is-w-g?                     uint8
|   +---ro spt?                        uint8
|   +---ro rpt?                        uint8
|   +---ro reg?                        uint8
|   +---ro regsupp?                    uint8
|   +---ro regprobe?                   uint8
|   +---ro lsrc?                       uint8
|   +---ro lrcv?                       uint8
|   +---ro sp-mode?                    uint8
|   +---ro ssm-mode?                   uint8
|   +---ro need-rte?                   uint8
|   +---ro rpf-info?                   string
|   +---ro age-mask?                   uint32
|   +---ro kat?                        uint32
|   +---ro join-desired?               boolean
|   +---ro pim6-oif* [oif-name]
|       +---ro oif-name                string
|       +---ro age?                    string
|       +---ro expiry-time?            uint32
|       +---ro oif-flags?              string
+---ro pim6-mcache-summary-state* [vrf-name]
|   +---ro vrf-name                    string
|   +---ro enable-status?              boolean
|   +---ro total-mcache?               uint32
|   +---ro num-sg?                     uint32
|   +---ro num-wg?                     uint32
+---ro pim-anycast-state* [vrf-name anycast-rp]
|   +---ro vrf-name                    string
|   +---ro anycast-rp                  inet:ipv4-address
|   +---ro prefix-name?                string
|   +---ro peer-list* [ipv4-addr]
|       +---ro ipv4-addr                inet:ipv4-address
+---ro pim-ecmp-state* [vrf-name addr-filter]
|   +---ro vrf-name                    string
|   +---ro addr-filter                  inet:ipv4-address
|   +---ro pim-ecmp* [vrf-name src-ip rp-addr]

```

```

|   +--ro vrf-name          string
|   +--ro src-ip            inet:ipv4-address
|   +--ro rp-addr           inet:ipv4-address
|   +--ro upstream-nbr?     inet:ipv4-address
|   +--ro interface-name?   string
|   +--ro interface-count?  uint32
+--ro pim-global-state* [vrf-name]
|   +--ro vrf-name          string
|   +--ro enable-status?    boolean
|   +--ro max-mcache?       uint32
|   +--ro current-count?    uint32
|   +--ro hello-interval?   uint16
|   +--ro nbr-timeout?      uint16
|   +--ro jp-interval?      uint32
|   +--ro inact-interval?   uint16
|   +--ro hw-drop-status?   boolean
|   +--ro prune-wait-interval? uint8
|   +--ro reg-suppress-time? uint16
|   +--ro reg-probe-time?   uint16
|   +--ro reg-stop-delay?   uint16
|   +--ro reg-suppress-interval? uint16
|   +--ro ssm-status?       boolean
|   +--ro spt-threshold?    uint32
|   +--ro ssm-default-prefix? string
|   +--ro ssm-prefix-name?  string
|   +--ro route-precedence? string
|   +--ro interfaces* [vrf-name]
|       +--ro vrf-name      string
|       +--ro pim-interface-data* [vrf-name interface-name interface-type]
|           +--ro vrf-name      string
|           +--ro interface-name string
|           +--ro interface-type string
|           +--ro enable-status? boolean
|           +--ro local-ip-addr? inet:ipv4-address
|           +--ro pim-version?  uint8
|           +--ro mode?         string
|           +--ro dr-info?      string
|           +--ro ttl-threshold? uint8
|           +--ro multicast-boundry? string
|           +--ro dr-priority?  uint32
+--ro pim-mcache-state* [vrf-name src-addr grp-addr]
|   +--ro vrf-name          string
|   +--ro tot-entry-count?  uint32
|   +--ro src-addr           inet:ipv4-address
|   +--ro grp-addr           inet:ipv4-address
|   +--ro incoming-if?      string
|   +--ro rp-addr?          inet:ipv4-address
|   +--ro uptime?           string
|   +--ro flag-bmp?         uint32
|   +--ro is-w-g?           uint8
|   +--ro spt?              uint8
|   +--ro rpt?              uint8
|   +--ro reg?              uint8
|   +--ro regsupp?          uint8
|   +--ro regprobe?         uint8
|   +--ro lsrc?             uint8
|   +--ro lrcv?             uint8
|   +--ro sp-mode?          uint8
|   +--ro ssm-mode?         uint8
|   +--ro need-rte?         uint8
|   +--ro rpf-info?         string
|   +--ro age-mask?         uint32
|   +--ro kat?              uint32
|   +--ro join-desired?     boolean

```

```
|  +--ro mdt?                boolean
|  +--ro pim-oif* [oif-name]
|    +--ro oif-name          string
|    +--ro age?              string
|    +--ro expiry-time?      uint32
|    +--ro oif-flags?        string
+--ro pim-mcache-summary-state* [vrf-name]
  +--ro vrf-name              string
  +--ro enable-status?        boolean
  +--ro total-mcache?         uint32
  +--ro num-sg?               uint32
  +--ro num-wg?               uint32
```

brocade-port-profile

Top-level container

```

+--rw port-profile* [name]
|   +--rw name                               common-def:name-string128
|   +--rw allow
|   |   +--rw nonprofiledmacs?    empty
|   |   +--rw vlan-profile!
|   |   |   +--rw switchport-basic
|   |   |   |   +--rw basic?    empty
|   |   |   +--rw switchport
|   |   |   |   +--rw mode
|   |   |   |   |   +--rw vlan-mode?    appm-sw-mode-type
|   |   |   +--rw access
|   |   |   |   +--rw vlan
|   |   |   |   |   +--rw name?    interface:vlan-type
|   |   |   +--rw access-mac-vlan-classification
|   |   |   |   +--rw access
|   |   |   |   |   +--rw vlan* [access-vlan-id access-mac-address]
|   |   |   |   |   |   +--rw access-vlan-id    interface:vlan-type
|   |   |   |   |   |   +--rw access-mac-address    interface:mac-address-type
|   |   |   +--rw access-mac-group-vlan-classification
|   |   |   |   +--rw access
|   |   |   |   |   +--rw vlan* [access-vlan-id access-mac-group]
|   |   |   |   |   |   +--rw access-vlan-id    interface:vlan-type
|   |   |   |   |   |   +--rw access-mac-group    uint32
|   |   +--rw trunk
|   |   |   +--rw allowed
|   |   |   |   +--rw vlan
|   |   |   |   |   +--rw all?    empty
|   |   |   |   |   +--rw none?    empty
|   |   |   |   |   +--rw add?    interface:ui32-vlan-range
|   |   |   |   |   +--rw except?    interface:ui32-vlan-range
|   |   |   |   |   +--rw remove?    interface:ui32-vlan-range
|   |   |   +--rw trunk-vlan-classification
|   |   |   |   +--rw allowed
|   |   |   |   |   +--rw vlan
|   |   |   |   |   |   +--rw add* [trunk-vlan-id trunk-ctag-id]
|   |   |   |   |   |   |   +--rw trunk-vlan-id    interface:vlan-type
|   |   |   |   |   |   |   +--rw trunk-ctag-id    interface:dot1q-vlan-type
|   |   |   |   |   |   +--rw remove* [trunk-vlan-id trunk-ctag-id]
|   |   |   |   |   |   |   +--rw trunk-vlan-id    interface:vlan-type
|   |   |   |   |   |   |   +--rw trunk-ctag-id    interface:dot1q-vlan-type
|   |   |   +--rw native-vlan-classification
|   |   |   |   +--rw native-vlan-id?    uint32
|   |   |   |   +--rw native-vlan-ctag-id?    interface:dot1q-vlan-type
|   |   |   +--rw native-vlan?    uint32
|   +--rw qos-profile!
|   |   +--rw cee?    common-def:name-string32
|   |   +--rw qos
|   |   |   +--rw cos?    int32
|   |   |   +--rw trust
|   |   |   |   +--rw trust-cos?    empty
|   |   |   +--rw cos-mutation?    common-def:name-string32
|   |   |   +--rw cos-traffic-class?    common-def:name-string32
|   |   +--rw flowcontrol
|   |   |   +--rw flowcontrolglobal
|   |   |   |   +--rw tx?    enumeration
|   |   |   |   +--rw rx?    enumeration
|   |   +--rw pfc* [pfc-cos]

```

```

| |          +--rw pfc-cos      int32
| |          +--rw pfc-tx      enumeration
| |          +--rw pfc-rx      enumeration
| +--rw security-profile!
| |   +--rw mac
| | |   +--rw access-group
| | | |   +--rw access-group-name?  mac-access-list:mac-acl-name
| | | |   +--rw in?                  empty
| | |   +--rw ip
| | | |   +--rw access-group
| | | | |   +--rw ipv4-access-group-name?  ip-access-list:l3-acl-policy-name
| | | | |   +--rw ipv4-in?                  empty
| | |   +--rw ipv6
| | | |   +--rw access-group
| | | | |   +--rw ipv6-access-group-name?  ip-access-list:l3-acl-policy-name
| | | | |   +--rw ipv6-in?                  empty
| +--rw restrict-flooding-container
| |   +--rw restrict-flooding?  empty
+--rw port-profile-global
| +--rw port-profile* [name]
| |   +--rw name                common-def:name-string128
| |   +--rw activate?          empty
| |   +--rw static* [mac-address]
| | |   +--rw mac-address      mac-access-list:mac-address-type
+--rw port-profile-domain* [port-profile-domain-name]
| +--rw port-profile-domain-name  port-profile-domain-name-type
+--rw profile* [profile-name]
| +--rw profile-name              port-profile-name-type

```

brocade-preprovision

Top-level container

```
+-rw preprovision
  +-rw rbridge-id* [rbridge-id wwn]
    +-rw rbridge-id    common-def:rbridge-id-type
    +-rw wwn           common-def:wwn-type
```

RPC

```
rpcs:
  +---x show-bare-metal-state
    +-ro output
      +---ro bare-metal-state?  string
```

brocade-pw-profile

This management module is an instrumentation to manage PW-Profile.

Top-level container

```
module: brocade-pw-profile
  +-rw pw-profile* [pw-profile-name]
    +-rw pw-profile-name      common-def:name-string64
    +-rw mtu-value?           uint32
    +-rw mtu-enforce?         boolean
    +-rw vc-mode?             enumeration
    +-rw flow-label?          empty
    +-rw control-word?        empty
```

brocade-pwm-operational

This management module is an instrumentation to manage PWM.

Top-level container

```

module: brocade-pwm-operational
  +--ro vc-peer-state
  |   +--ro vc-peer-data* [vc-id]
  |   |   +--ro vc-id                               uint32
  |   |   +--ro vc-peer-address?                    inet:ipv4-address
  |   |   +--ro vc-peer-state?                      string
  |   |   +--ro vc-peer-uptime?                     string
  |   |   +--ro vc-peer-load-balance?                boolean
  |   |   +--ro vc-peer-cos-enabled?                boolean
  |   |   +--ro vc-peer-cos-value?                  uint8
  |   |   +--ro vc-ldp-tnnl-in-use?                 string
  |   |   +--ro vc-local-label?                     uint32
  |   |   +--ro vc-remote-label?                    uint32
  |   |   +--ro vc-local-mtu?                       uint32
  |   |   +--ro vc-remote-mtu?                     uint32
  |   |   +--ro vc-local-type?                      uint32
  |   |   +--ro vc-remote-type?                    uint32
  |   |   +--ro vc-proto-tnnl* [vc-proto-name]
  |   |   |   +--ro vc-proto-name                   string
  |   |   |   +--ro vc-ldp-tunnel-id?              uint32
  |   |   |   +--ro vc-ldp-name?                   string
  |   |   |   +--ro vc-lsp-name?                   string
  |   |   |   +--ro vc-peer-lsp-cos-enabled?        boolean
  |   |   |   +--ro vc-peer-lsp-cos-value?         uint8
  |   |   +--ro vc-assigned-lsp* [vc-lsp-name]
  |   |   |   +--ro vc-lsp-name                    string
  |   +--ro bd-vc-peer-state* [vc-id]
  |   |   +--ro vc-id                               uint32
  |   |   +--ro bd-vc-peer-counter
  |   |   |   +--ro no-of-peer-configured?          uint32
  |   |   |   +--ro no-of-peer-operational?         uint32
  |   |   +--ro bd-vc-peer-data* [vc-peer-address]
  |   |   |   +--ro vc-peer-address                 inet:ipv4-address
  |   |   |   +--ro vc-peer-state?                  string
  |   |   |   +--ro vc-peer-uptime?                 string
  |   |   |   +--ro vc-peer-load-balance?            boolean
  |   |   |   +--ro vc-peer-cos-enabled?            boolean
  |   |   |   +--ro vc-peer-cos-value?              uint8
  |   |   |   +--ro vc-ldp-tnnl-in-use?             string
  |   |   |   +--ro vc-local-label?                 uint32
  |   |   |   +--ro vc-remote-label?                uint32
  |   |   |   +--ro vc-local-mtu?                   uint32
  |   |   |   +--ro vc-remote-mtu?                 uint32
  |   |   |   +--ro vc-local-type?                  uint32
  |   |   |   +--ro vc-remote-type?                uint32
  |   |   |   +--ro vc-local-pw-status?             string
  |   |   |   +--ro vc-remote-pw-status?            string
  |   |   |   +--ro vc-local-flow-label-tx?         boolean
  |   |   |   +--ro vc-local-flow-label-rx?         boolean
  |   |   |   +--ro vc-remote-flow-label-tx?        boolean
  |   |   |   +--ro vc-remote-flow-label-rx?        boolean
  |   |   |   +--ro vc-local-control-word?          boolean
  |   |   |   +--ro vc-remote-control-word?         boolean
  |   |   |   +--ro vc-proto-tnnl* [vc-proto-name]
  |   |   |   |   +--ro vc-proto-name               string
  |   |   |   |   +--ro vc-ldp-tunnel-id?          uint32

```

```
| +--ro vc-ldp-name?          string
| +--ro vc-lsp-name?          string
| +--ro vc-peer-lsp-cos-enabled? boolean
| +--ro vc-peer-lsp-cos-value? uint8
+--ro vc-assigned-lsp* [vc-lsp-name]
   +--ro vc-lsp-name          string
```

brocade-qos-cee

Top-level container

```

+--rw cee-map* [name]
|   +--rw name                cee-map-name-type
|   +--rw precedence?         int32
|   +--rw priority-group-table* [PGID]
|   |   +--rw PGID            qos-type-PGID
|   |   +--rw weight?         int32
|   |   +--rw pfc              enumeration
|   +--rw priority-table
|   |   +--rw map-cos0-pgid?   string
|   |   +--rw map-cos1-pgid?   string
|   |   +--rw map-cos2-pgid?   string
|   |   +--rw map-cos3-pgid?   string
|   |   +--rw map-cos4-pgid?   string
|   |   +--rw map-cos5-pgid?   string
|   |   +--rw map-cos6-pgid?   string
|   |   +--rw map-cos7-pgid?   string
+--rw nas
|   +--rw auto-qos!
|   |   +--rw set
|   |   |   +--rw cos?         qos-mls:cos-id-type
|   |   |   +--rw dscp?        qos-mls:dscp-id-type
+--rw server-ip* [server-ip]
|   +--rw server-ip            nas-ip-prefix
+--rw vrf* [vrf-name]
|   +--rw vrf-name             string
+--rw vlan* [vlan-number]
|   +--rw vlan-number          interface:vlan-type

```

brocade-qos-cpu

Manages the central processing unit (CPU) Quality of Service (QoS).

External augmentations

```

module: brocade-qos-mls
  +--rw qos-cpu:cpu
    +--rw qos-cpu:slot [slot-id]
      +--rw qos-cpu:slot-id          slotid
    +--rw qos-cpu:port-group /*drop-node-name*/
      +--rw qos-cpu:port /*alt-name:port*/
        | +--rw qos-cpu:port-shaper /*alt-name:shaper*/
        |   +--rw qos-cpu:port-shaper-rate?          shaper-rate /*alt-name:rate*/
        |   +--rw qos-cpu:port-shaper-burst-size?    burst-size /*alt-name:busrt*/
      +--rw qos-cpu:group [group-id]
        +--rw qos-cpu:group-id          groupid
        +--rw qos-cpu:group-config-shaper-wfq /*drop-node-name*/
          +--rw qos-cpu:group-shaper
            | +--rw qos-cpu:group-shaper-rate?          shaper-rate /*alt-
name:rate*/
            | +--rw qos-cpu:group-shaper-burst-size?    burst-size /*alt-
name:busrt*/
          +--rw qos-cpu:group-wfq
            | +--rw qos-cpu:group-wfq-weight?    weight-value /*alt-name:weight*/
          +--rw qos-cpu:group-prio [group-prio-id] /*drop-node-name*/
            +--rw qos-cpu:group-prio-id          priority /*alt-
name:prio*/
          +--rw qos-cpu:group-prio-config-shaper-wfq /*drop-node-name*/
            +--rw qos-cpu:group-prio-shaper
              | +--rw qos-cpu:group-prio-shaper-rate?          shaper-rate /
*alt-name:rate*/
              | +--rw qos-cpu:group-prio-shaper-burst-size?    burst-size /
*alt-name:busrt*/
            +--rw qos-cpu:group-prio-wfq
              +--rw qos-cpu:group-prio-wfq-weight?    weight-value /*alt-
name:weight*/

```

brocade-qos-mls

Manages the Quality of Service (QoS).

External augmentations

```

Module: brocade-qos-mls
+--rw qos
| +--rw map
| | +--rw cos-mutation* [name]
| | | +--rw name map-name-type
| | | +--rw cos-to-cos-mappings* [from-cos]
| | | | +--rw from-cos cos-id-type
| | | | +--rw to
| | | | | +--rw to-cos? cos-id-type
| | | +--rw cos-traffic-class* [name]
| | | | +--rw name map-name-type
| | | | +--rw cos-to-tc-dp-mappings* [from-cos]
| | | | | +--rw from-cos cos-id-type
| | | | | +--rw to
| | | | | | +--rw to-traffic-class? traffic-class-id-type
| | | | | | +--rw to-drop-precedence? drop-precedence-id-type
| | | +--rw traffic-class-cos* [traffic-class-cos-map-name]
| | | | +--rw traffic-class-cos-map-name map-name-type
| | | | +--rw tc-dp-to-cos-mapping* [from-traffic-class from-drop-precedence]
| | | | | +--rw from-traffic-class traffic-class-id-type
| | | | | +--rw from-drop-precedence drop-precedence-id-type
| | | | | +--rw to
| | | | | | +--rw to-cos? cos-id-type
| | | +--rw traffic-class-dscp* [name]
| | | | +--rw name map-name-type
| | | | +--rw traffic-class-to-dscp-mappings* [from-traffic-class from-drop-
precedence]
| | | | | +--rw from-traffic-class traffic-class-id-type
| | | | | +--rw from-drop-precedence drop-precedence-id-type
| | | | | +--rw to
| | | | | | +--rw to-dscp? dscp-id-type
| | | +--rw dscp-mutation* [dscp-mutation-map-name]
| | | | +--rw dscp-mutation-map-name map-name-type
| | | | +--rw dscp-to-dscp-mapping* [dscp-in-values]
| | | | | +--rw dscp-in-values dscp-id-range-type
| | | | | +--rw to
| | | | | | +--rw to-value? dscp-id-type
| | | +--rw dscp-traffic-class* [dscp-traffic-class-map-name]
| | | | +--rw dscp-traffic-class-map-name map-name-type
| | | | +--rw dscp-to-tc-dp-mapping* [dscp-in-values]
| | | | | +--rw dscp-in-values dscp-id-range-type
| | | | | +--rw to
| | | | | | +--rw to-value? traffic-class-id-type
| | | | | | +--rw to-drop-precedence? drop-precedence-id-type
| | | +--rw dscp-cos* [dscp-cos-map-name]
| | | | +--rw dscp-cos-map-name map-name-type
| | | | +--rw dscp-to-cos-mapping* [dscp-in-values]
| | | | | +--rw dscp-in-values dscp-id-range-type
| | | | | +--rw to
| | | | | | +--rw to-value? cos-id-type
| +--rw red-profile* [profile-id]
| | +--rw profile-id red-profile-id-type
| | +--rw min-threshold int32
| | +--rw max-threshold int32
| | +--rw drop-probability int32
| | +--rw ecn? enumeration

```

```

|   +--rw tx-queue
|   |   +--rw tx-queue-limit?   uint32
|   |   +--rw scheduler
|   |   |   +--rw strict-priority
|   |   |   |   +--rw priority-number?           int32
|   |   |   |   +--rw scheduler-type?           enumeration
|   |   |   |   +--rw dwrr-traffic-class0?       int32
|   |   |   |   +--rw dwrr-traffic-class1?       int32
|   |   |   |   +--rw dwrr-traffic-class2?       int32
|   |   |   |   +--rw dwrr-traffic-class3?       int32
|   |   |   |   +--rw dwrr-traffic-class4?       int32
|   |   |   |   +--rw dwrr-traffic-class5?       int32
|   |   |   |   +--rw dwrr-traffic-class6?       int32
|   |   |   |   +--rw dwrr-traffic-class-last?    int32
|   +--rw rx-queue
|   |   +--rw rx-queue-limit?   uint32
| +--rw qos-cpu:cpu
|   +--rw qos-cpu:slot* [slot-id]
|   |   +--rw qos-cpu:slot-id      slotid
|   |   +--rw qos-cpu:port-group
|   |   |   +--rw qos-cpu:port
|   |   |   |   +--rw qos-cpu:port-shaper
|   |   |   |   |   +--rw qos-cpu:port-shaper-rate?           shaper-rate
|   |   |   |   |   +--rw qos-cpu:port-shaper-burst-size?    port-burst-size
|   |   |   |   +--rw qos-cpu:group* [group-id]
|   |   |   |   |   +--rw qos-cpu:group-id                    groupid
|   |   |   |   |   +--rw qos-cpu:group-config-shaper-wfq
|   |   |   |   |   |   +--rw qos-cpu:group-shaper
|   |   |   |   |   |   |   +--rw qos-cpu:group-shaper-rate?           shaper-rate
|   |   |   |   |   |   |   +--rw qos-cpu:group-shaper-burst-size?    burst-size
|   |   |   |   |   |   +--rw qos-cpu:group-wfq
|   |   |   |   |   |   |   +--rw qos-cpu:group-wfq-weight?    weight-value
|   |   |   |   |   +--rw qos-cpu:group-prio* [group-prio-id]
|   |   |   |   |   |   +--rw qos-cpu:group-prio-id            priority
|   |   |   |   |   |   +--rw qos-cpu:group-prio-config-shaper-wfq
|   |   |   |   |   |   |   +--rw qos-cpu:group-prio-shaper
|   |   |   |   |   |   |   |   +--rw qos-cpu:group-prio-shaper-rate?           shaper-rate
|   |   |   |   |   |   |   |   +--rw qos-cpu:group-prio-shaper-burst-size?    burst-size
|   |   |   |   |   |   |   +--rw qos-cpu:group-prio-wfq
|   |   |   |   |   |   |   |   +--rw qos-cpu:group-prio-wfq-weight?    weight-value
|   |   +--rw qos-cpu:queue-config* [queue-num]
|   |   |   +--rw qos-cpu:queue-num      uint32
|   |   |   +--rw qos-cpu:queue-rate?    uint32
+--rw storm-control
|   +--rw ingress* [protocol-type]
|   |   +--rw protocol-type      enumeration
|   |   +--rw rate-format?       enumeration
|   |   +--rw rate-bps?          rate-limit-bps-type

```

brocade-qos-mpls

Manages the MPLS Quality of Service (QoS).

Top-level container

```

module: brocade-qos-mpls
  +---rw qos-mpls
    +---rw map
      | +---rw exp-traffic-class* [exp-traffic-class-map-name]
      | | +---rw exp-traffic-class-map-name      map-name-type
      | | +---rw exp* [exp-in-values]
      | |   +---rw exp-in-values      uint32
      | |   +---rw to
      | |     +---rw priority?        uint32
      | |     +---rw drop-precedence?  uint32
      | +---rw traffic-class-exp* [traffic-class-exp-map-name]
      | | +---rw traffic-class-exp-map-name      map-name-type
      | | +---rw priority* [priority-in-values drop-precedence]
      | |   +---rw priority-in-values      uint32
      | |   +---rw drop-precedence         uint32
      | |   +---rw to
      | |     +---rw exp?      uint32
      | +---rw dscp-exp* [dscp-exp-map-name]
      | | +---rw dscp-exp-map-name      map-name-type
      | | +---rw dscp* [dscp-in-values]
      | |   +---rw dscp-in-values      uint32
      | |   +---rw to
      | |     +---rw exp?      uint32
      | +---rw exp-dscp* [exp-dscp-map-name]
      | | +---rw exp-dscp-map-name      map-name-type
      | | +---rw exp* [exp-in-values]
      | |   +---rw exp-in-values      uint32
      | |   +---rw to
      | |     +---rw dscp?      uint32
      | +---rw inexp-outexp* [inexp-outexp-map-name]
      |   +---rw inexp-outexp-map-name      map-name-type
      |   +---rw in-exp* [in-exp-in-values]
      |     +---rw in-exp-in-values      int32
      |     +---rw to
      |       +---rw out-exp?      int32
      +---rw apply-qos-mpls:map-apply
        +---rw apply-qos-mpls:apply-exp-traffic-class-map-name
          | +---rw (apply-exp-traffic-class)?
          | | +---: (ca-map-name-cmd1)
          | | | +---rw apply-qos-mpls:map-name-cmd1?      map-name-type
          | | | +---: (ca-all-zero-map-cmd1)
          | | | +---rw apply-qos-mpls:all-zero-map-cmd1?  empty
          | | | +---: (ca-default-map-cmd1)
          | | | +---rw apply-qos-mpls:default-map-cmd1?  empty
          | | +---rw apply-qos-mpls:All-cmd1?            empty
          +---rw apply-qos-mpls:apply-traffic-class-exp-map-name
            +---rw (apply-traffic-class-exp)?
            | | +---: (ca-map-name-cmd2)
            | | | +---rw apply-qos-mpls:map-name-cmd2?      map-name-type
            | | | +---: (ca-all-zero-map-cmd2)
            | | | +---rw apply-qos-mpls:all-zero-map-cmd2?  empty
            | | | +---: (ca-default-map-cmd2)
            | | | +---rw apply-qos-mpls:default-map-cmd2?  empty
            | | +---rw apply-qos-mpls:All-cmd2?            empty
          +---rw apply-qos-mpls:apply-dscp-exp-map-name
            +---rw (apply-dscp-exp)?

```

```

| | +--:(ca-map-name-cmd3)
| | | +--rw apply-qos-mpls:map-name-cmd3?      map-name-type
| | +--:(ca-all-zero-map-cmd3)
| | | +--rw apply-qos-mpls:all-zero-map-cmd3?  empty
| | +--:(ca-default-map-cmd3)
| | | +--rw apply-qos-mpls:default-map-cmd3?   empty
| +--rw apply-qos-mpls:All-cmd3?               empty
+--rw apply-qos-mpls:apply-exp-dscp-map-name
+--rw (apply-exp-dscp)?
| +--:(ca-map-name-cmd4)
| | +--rw apply-qos-mpls:map-name-cmd4?      map-name-type
| +--:(ca-all-zero-map-cmd4)
| | +--rw apply-qos-mpls:all-zero-map-cmd4?  empty
| +--:(ca-default-map-cmd4)
| | +--rw apply-qos-mpls:default-map-cmd4?   empty
+--rw apply-qos-mpls:All-cmd4?               empty

```

brocade-qos-mqc

Describes the data model for modular Quality of Service (QoS).

Top-level container

```

module: brocade-qos-mqc
  +--rw class-map* [name]
  |   +--rw name      class-map-name-type
  |   +--rw match
  |   |   +--rw access-group
  |   |   |   +--rw access-group-name?  mac-ip-acl-name
  |   |   +--rw vlan
  |   |   |   +--rw vlan-range?  interface:ui32-vlan-20k-range
  |   |   +--rw bridge-domain
  |   |   |   +--rw bridge-domain-range?  bd:ui32-bridge-domain-range
  +--rw policy-map* [name]
  |   +--rw name      policy-map-name-type
  |   +--rw class* [cl-name]
  |   |   +--rw cl-name      class-map-name-type
  |   |   +--rw police
  |   |   |   +--rw cir?  uint64
  |   |   |   +--rw cbs?  uint64
  |   |   |   +--rw eir?  uint64
  |   |   |   +--rw ebs?  uint64
  |   |   +--rw set
  |   |   |   +--rw set_cos_tc
  |   |   |   |   +--rw cos?  uint8
  |   |   |   |   +--rw traffic-class?  uint8
  |   |   |   +--rw set_dscp
  |   |   |   |   +--rw dscp?  uint16
  |   |   +--rw span
  |   |   |   +--rw session?  session-type
  |   |   +--rw map
  |   |   |   +--rw cos-mutation?  map-name-type
  |   |   |   +--rw cos-mutation-builtin
  |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   +--rw cos-traffic-class?  map-name-type
  |   |   |   +--rw cos-traffic-class-builtin
  |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   +--rw dscp-cos?  map-name-type
  |   |   |   +--rw dscp-cos-builtin
  |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   +--rw dscp-traffic-class?  map-name-type
  |   |   |   +--rw dscp-traffic-class-builtin
  |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   +--rw dscp-mutation?  map-name-type
  |   |   |   +--rw dscp-mutation-builtin
  |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   +--rw sflow-profile?  sflow:profile-name-type
  |   +--rw shape
  |   |   +--rw shaping_rate?  shaping-rate-limit
  |   +--rw scheduler
  |   |   +--rw strict-priority
  |   |   |   +--rw priority-number?  uint8
  |   |   |   +--rw scheduler-type?  enumeration
  |   |   +--rw dwrr-traffic-class0?  uint32
  |   |   +--rw dwrr-traffic-class1?  uint32
  |   |   +--rw dwrr-traffic-class2?  uint32
  |   |   +--rw dwrr-traffic-class3?  uint32
  |   |   +--rw dwrr-traffic-class4?  uint32
  |   |   +--rw dwrr-traffic-class5?  uint32

```

```
|          +--rw dwrr-traffic-class6?      uint32
|          +--rw dwrr-traffic-class-last?  uint32
|          +--rw TC1?                      shaping-rate-limit
|          +--rw TC2?                      shaping-rate-limit
|          +--rw TC3?                      shaping-rate-limit
|          +--rw TC4?                      shaping-rate-limit
|          +--rw TC5?                      shaping-rate-limit
|          +--rw TC6?                      shaping-rate-limit
|          +--rw TC7?                      shaping-rate-limit
+--rw system-qos
  +--rw qos
    +--rw service-policy* [direction policy-map-name]
      +--rw direction      enumeration
      +--rw policy-map-name map-name-type
```

brocade-qos-operational

Top-level container

```

+--ro cpu-cfg-state* [slot-id]
|   +--ro shaper-rate?      uint32
|   +--ro burst-size?       uint32
|   +--ro wfq-value?        uint32
|   +--ro slot-id           int8
|   +--ro cpu-cfg-group* [group-id]
|       +--ro shaper-rate?    uint32
|       +--ro burst-size?     uint32
|       +--ro wfq-value?      uint32
|       +--ro group-id       int8
|       +--ro cpu-cfg-prio* [prio-id]
|           +--ro shaper-rate? uint32
|           +--ro burst-size?  uint32
|           +--ro wfq-value?   uint32
|           +--ro prio-id     int8
+--ro cpu-info-state* [group-id]
|   +--ro name?              string
|   +--ro egid?              uint32
|   +--ro group-id           int8
|   +--ro description?       string
+--ro cpu-queue-state* [queue-id cpu-rate-limit]
|   +--ro name?              string
|   +--ro shaper-rate?       uint32
|   +--ro queue-id           int8
|   +--ro cpu-rate-limit     int32
|   +--ro description?       string
+--ro qos-mpls-state* [map-type]
|   +--ro map-type           string
|   +--ro map-name?          string
|   +--ro enabled-slots?     string
|   +--ro traffic-class*     uint32
|   +--ro drop-preced*       uint32
|   +--ro exp*               uint32
|   +--ro dscp*              uint32

```

brocade-ras

Provides a data model for managing log collections, such as those used by supportSave and copy support operations, and for USB management.

Top-level container

```

module: brocade-ras
  +--rw copy
  |   +--rw support
  |   |   +---x ftp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory     directory-path
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w timeout?     timeout-value
  |   |   |   |   +---w module?      string
  |   |   |   |   +---w group?       string
  |   |   |   |   +---w use-vrf?     common-def:use-vrf
  |   |   |   +--ro output
  |   |   |   |   +--ro supportSaveResult*
  |   |   |   |   |   +--ro status-code    copy-support-status
  |   |   |   |   |   +--ro status-str?    string
  |   |   +---x scp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory     directory-path
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w timeout?     timeout-value
  |   |   |   |   +---w module?      string
  |   |   |   |   +---w group?       string
  |   |   |   |   +---w use-vrf?     common-def:use-vrf
  |   |   |   |   +---w source-ip?    inet:ip-address
  |   |   |   +--ro output
  |   |   |   |   +--ro supportSaveResult*
  |   |   |   |   |   +--ro status-code    copy-support-status
  |   |   |   |   |   +--ro status-str?    string
  |   |   +---x usb
  |   |   |   +---w input
  |   |   |   |   +---w directory     string
  |   |   |   |   +---w timeout?     timeout-value
  |   |   |   |   +---w module?      string
  |   |   |   +--ro output
  |   |   |   |   +--ro supportSaveResult*
  |   |   |   |   |   +--ro status-code    copy-support-status
  |   |   |   |   |   +--ro status-str?    string
  |   +---x support-interactive
  |   |   +--ro output
  |   |   |   +--ro result?    string
  +--rw logging
  |   +--rw raslog
  |   |   +--rw interface
  |   |   |   +--rw description?    empty
  |   |   +--rw message
  |   |   |   +--rw msgId* [msgId]
  |   |   |   |   +--rw msgId      string
  |   |   |   |   +--rw severity?  message-severity
  |   |   |   |   +--rw suppress?  empty
  |   |   |   |   +--rw syslog?    empty
  |   |   +--rw module

```

```

| | | +--rw modId* [modId]
| | |   +--rw modId      string
| | +--rw console?      raslog-console
| +--rw syslog-server* [syslogip use-vrf]
| | +--rw syslogip      inet:ip-address
| | +--rw use-vrf        common-def:use-vrf
| | +--rw format?       string
| | +--rw syslog-secure
| | | +--rw secure?     empty
| | | | +--rw port?     uint16
| | +--rw udp-port?     uint16
| | +--rw source-interface
| | | +--rw source-intf-type? source-interface-type
| | | +--rw ethernet
| | | | +--rw source-intf-name? ethernet-iftype
| | | +--rw loopback
| | | | +--rw source-intf-name? loopback-iftype
| | | +--rw ve
| | | | +--rw source-intf-name? ve-iftype
| | | +--rw management
| | | | +--rw source-intf-name? mm-iftype
| +--rw syslog-server-host* [hostname use-vrf]
| | +--rw hostname      string
| | +--rw use-vrf        common-def:use-vrf
| | +--rw format?       string
| | +--rw syslog-secure
| | | +--rw secure?     empty
| | | | +--rw port?     uint16
| | +--rw udp-port?     uint16
| | +--rw source-interface
| | | +--rw source-intf-type? source-interface-type
| | | +--rw ethernet
| | | | +--rw source-intf-name? ethernet-iftype
| | | +--rw loopback
| | | | +--rw source-intf-name? loopback-iftype
| | | +--rw ve
| | | | +--rw source-intf-name? ve-iftype
| | | +--rw management
| | | | +--rw source-intf-name? mm-iftype
| +--rw auditlog
| | +--rw class* [class]
| | | +--rw class      audit-class
| +--rw syslog-facility
| | +--rw local?      facility-enum
| +--rw utility
| | +--rw enable
| | | +--rw relp?     empty
+--rw destination_console
| +--rw logging
| | +--rw raslog
| | | +---x console
| | | | +---w input
| | | | | +---w (ras-con)?
| | | | | | +---:(stop)
| | | | | | | +---w stop      uint32
| | | | | | +---:(start)
| | | | | | +---w start?     empty
+--rw system-ras
| +--rw usb
| | +---x on
| | +---x off
| | +---x dir
| | +---x remove
| | | +---w input

```

```

| | | +---w directory    string
| | | +---w file         string
| | +---x tpvm
| +--rw switch-attributes
|   +--rw chassis-name?  string
|   +--rw host-name?     string
+--rw support
| +--rw autoupload-param
| | +--rw hostip         inet:ip-address
| | +--rw username       string
| | +--rw directory      string
| | +--rw protocol       string
| | +--rw password?     string
| +--rw support-param
| | +--rw hostip         inet:ip-address
| | +--rw username       string
| | +--rw directory      string
| | +--rw protocol       string
| | +--rw password?     string
| +--rw autoupload
| | +--rw enable?       empty
| +--rw ffdc?           empty
+--rw logtest
| +--rw raslog
|   +---x gmsg
|     +---w input
|       +---w messageID? string
+--rw auditlog
  +---x gmsg
    +---w input
      +---w messageID?  string

```

RPCs

```

rpcs:
+---x bna-config-cmd
| +---w input
| | +---w src          string
| | +---w dest         string
| | +---w remove-tpvm? empty
| +--ro output
|   +--ro session-id    uint32
|   +--ro status        cmd-status
|   +--ro status-string? string
+---x bna-config-cmd-status
  +---w input
  | +---w session-id    uint32
  +--ro output
    +--ro status        cmd-status
    +--ro status-string? string

```

brocade-ras-ext

Provides a data model for managing RASLog-related information.

Top-level container

```
module: brocade-ras-ext
  +--rw rasman
    +---x message
      | +---w input
      |   +---w id      string
    +---x module
      | +---w input
      |   +---w name     string
    +---x description
    +---x type
      +---w input
        +---w value     enumeration
```

External augmentations

```
module: brocade-common-def
  +--rw show
    | +--rw ras-extensions:support
```

RPCs

```
rpcs:
  +---x show-raslog
    | +---w input
    | | +---w number-of-latest-events?  uint32
    | +--ro output
    |   +--ro show-all-raslog*
    |   | +--ro number-of-entries?  uint32
    |   | +--ro raslog-entries*
    |   | | +--ro index?              uint32
    |   | | +--ro message-id?         string
    |   | | +--ro date-and-time-info? string
    |   | | +--ro severity?           enumeration
    |   | | +--ro repeat-count?       uint32
    |   | | +--ro message?            string
    |   | | +--ro message-flag?       enumeration
    |   | | +--ro log-type?           enumeration
    |   | | +--ro switch-or-chassis-name? string
    |   +--ro cmd-status-error-msg?  string
  +---x show-support-save-status
    | +--ro output
    |   +--ro show-support-save-status*
    |   | +--ro status?               enumeration
    |   | +--ro message?              string
    |   | +--ro percentage-of-completion? uint32
  +---x show-system-info
    +--ro output
      +--ro show-system-info*
        +--ro stack-mac?  ietfyang:mac-address
```

brocade-ras-operational

Provides a data model for managing RAS.

Top-level container

```

module: brocade-ras-operational
  +--ro cpu-state
  |   +--ro summary
  |   |   +--ro summary-cpu-load-average-one-min?      decimal64
  |   |   +--ro summary-cpu-load-average-five-min?     decimal64
  |   |   +--ro summary-cpu-load-average-fifteen-min?  decimal64
  |   |   +--ro summary-cpu-util-current?              decimal64
  |   |   +--ro summary-cpu-util-current-user?         decimal64
  |   |   +--ro summary-cpu-util-current-kernel?       decimal64
  |   |   +--ro summary-cpu-util-current-iowait?       decimal64
  |   +--ro history
  |   |   +--ro cpu-load-average-one-min?              decimal64
  |   |   +--ro cpu-load-average-five-min?             decimal64
  |   |   +--ro cpu-load-average-fifteen-min?          decimal64
  |   |   +--ro cpu-util-current?                      decimal64
  |   |   +--ro cpu-util-current-user?                 decimal64
  |   |   +--ro cpu-util-current-kernel?               decimal64
  |   |   +--ro cpu-util-current-iowait?               decimal64
  |   |   +--ro cpu-util-1min?                         decimal64
  |   |   +--ro cpu-util-1min-user?                    decimal64
  |   |   +--ro cpu-util-1min-kernel?                  decimal64
  |   |   +--ro cpu-util-1min-iowait?                  decimal64
  |   |   +--ro cpu-util-5min?                         decimal64
  |   |   +--ro cpu-util-5min-user?                    decimal64
  |   |   +--ro cpu-util-5min-kernel?                  decimal64
  |   |   +--ro cpu-util-5min-iowait?                  decimal64
  |   |   +--ro cpu-util-15min?                       decimal64
  |   |   +--ro cpu-util-15min-user?                   decimal64
  |   |   +--ro cpu-util-15min-kernel?                 decimal64
  |   |   +--ro cpu-util-15min-iowait?                 decimal64
  |   |   +--ro cpu-util-1hour?                       decimal64
  |   |   +--ro cpu-util-1hour-user?                   decimal64
  |   |   +--ro cpu-util-1hour-kernel?                 decimal64
  |   |   +--ro cpu-util-1hour-iowait?                 decimal64
  |   |   +--ro cpu-util-5hour?                       decimal64
  |   |   +--ro cpu-util-5hour-user?                   decimal64
  |   |   +--ro cpu-util-5hour-kernel?                 decimal64
  |   |   +--ro cpu-util-5hour-iowait?                 decimal64
  |   |   +--ro cpu-util-24hour?                      decimal64
  |   |   +--ro cpu-util-24hour-user?                  decimal64
  |   |   +--ro cpu-util-24hour-kernel?                decimal64
  |   |   +--ro cpu-util-24hour-iowait?                decimal64
  |   |   +--ro cpu-util-72hour?                      decimal64
  |   |   +--ro cpu-util-72hour-user?                  decimal64
  |   |   +--ro cpu-util-72hour-kernel?                decimal64
  |   |   +--ro cpu-util-72hour-iowait?                decimal64
  |   |   +--ro cpu-util-process-history* [cpu-process-id]
  |   |       +--ro cpu-process-id      uint32
  |   |       +--ro cpu-process-name?   string
  |   |       +--ro cpu-util-current?   decimal64
  |   |       +--ro cpu-util-1m?        decimal64
  |   |       +--ro cpu-util-5m?        decimal64
  |   |       +--ro cpu-util-15m?       decimal64
  |   |       +--ro cpu-util-1h?        decimal64
  |   |       +--ro cpu-util-5h?        decimal64
  |   |       +--ro cpu-util-24h?       decimal64

```

```

| | +--ro cpu-util-72h? decimal64
| +--ro top
| | +--ro cpu-curr-time? string
| | +--ro cpu-system-uptime? string
| | +--ro cpu-no-of-users? uint32
| | +--ro cpu-load-average-one-min? decimal64
| | +--ro cpu-load-average-five-min? decimal64
| | +--ro cpu-load-average-fifteen-min? decimal64
| | +--ro cpu-total-task? uint32
| | +--ro cpu-running-task? uint32
| | +--ro cpu-sleeping-task? uint32
| | +--ro cpu-stopped-task? uint32
| | +--ro cpu-zombie-task? uint32
| | +--ro cpu-util-user? decimal64
| | +--ro cpu-util-kernel? decimal64
| | +--ro cpu-util-nice? decimal64
| | +--ro cpu-util-idle? decimal64
| | +--ro cpu-util-iowait? decimal64
| | +--ro cpu-util-hi? decimal64
| | +--ro cpu-util-si? decimal64
| | +--ro cpu-util-st? decimal64
| | +--ro cpu-total-mem? string
| | +--ro cpu-used-mem? string
| | +--ro cpu-free-mem? string
| | +--ro cpu-buffer-mem? string
| | +--ro cpu-total-mem-swap? string
| | +--ro cpu-used-mem-swap? string
| | +--ro cpu-free-mem-swap? string
| | +--ro cpu-cache-mem-swap? string
| | +--ro cpu-top-process-information* [cpu-process-id]
| | | +--ro cpu-process-id uint32
| | | +--ro cpu-process-user? string
| | | +--ro cpu-process-priority? string
| | | +--ro cpu-process-ni? string
| | | +--ro cpu-process-virtual-mem? string
| | | +--ro cpu-process-resident-mem? string
| | | +--ro cpu-process-shared-mem? string
| | | +--ro cpu-process-state? string
| | | +--ro cpu-process-cpuutil? decimal64
| | | +--ro cpu-process-memutil? decimal64
| | | +--ro cpu-process-running-time? string
| | | +--ro cpu-process-cmd? string
| +--ro all-partition
| | +--ro cpu-allpart-load* [cpu-blade-name]
| | | +--ro cpu-blade-name string
| | | +--ro cpu-load-average-1min? decimal64
| | | +--ro cpu-load-average-5min? decimal64
| | | +--ro cpu-load-average-15min? decimal64
| | +--ro cpu-allpart-util* [cpu-blade-name]
| | | +--ro cpu-blade-name string
| | | +--ro cpu-util-current? decimal64
| | | +--ro cpu-util-user? decimal64
| | | +--ro cpu-util-kernel? decimal64
| | | +--ro cpu-util-iowait? decimal64
| +--ro process-list
| | +--ro list-cpu-load-average-one-min? decimal64
| | +--ro list-cpu-load-average-five-min? decimal64
| | +--ro list-cpu-load-average-fifteen-min? decimal64
| | +--ro list-cpu-util-current? decimal64
| | +--ro list-cpu-util-current-user? decimal64
| | +--ro list-cpu-util-current-kernel? decimal64
| | +--ro list-cpu-util-current-iowait? decimal64
| | +--ro cpu-process-list* [cpu-process-id]
| | | +--ro cpu-process-id uint32

```

```

|         +--ro cpu-process-name?          string
|         +--ro cpu-process-util?          decimal64
|         +--ro cpu-process-state?         string
|         +--ro cpu-process-start-time?    string
+--ro mem-state
  +--ro summary
    | +--ro memory-used-percentage?    decimal64
    | +--ro memory-total?              uint32
    | +--ro memory-total-used?         uint32
    | +--ro memory-total-free?         uint32
    | +--ro memory-low-free?           uint32
    | +--ro memory-high-free?          uint32
    | +--ro memory-cached?             uint32
  +--ro mem-list
    | +--ro memory-used-percentage?    decimal64
    | +--ro memory-total?              uint32
    | +--ro memory-total-used?         uint32
    | +--ro memory-total-free?         uint32
    | +--ro memory-low-free?           uint32
    | +--ro memory-high-free?          uint32
    | +--ro memory-cached?             uint32
    | +--ro memory-per-process* [memory-process-id]
    |   +--ro memory-process-id        uint32
    |   +--ro memory-process-name?     string
    |   +--ro memory-utilized?         decimal64
    |   +--ro memory-utilized-vsize?   uint32
    |   +--ro memory-utilized-rss?     uint32
    |   +--ro memory-utilized-pss?     uint32
  +--ro mem-allpart
    +--ro mem-allpart-sum* [memory-blade-name]
      +--ro memory-blade-name          string
      +--ro memory-used-percentage?    decimal64
      +--ro memory-total?              uint32
      +--ro memory-total-used?         uint32
      +--ro memory-total-free?         uint32
      +--ro memory-cached?             uint32

```

brocade-rbridge-lag

Provides a data model to manage Link Aggregation Group (LAG) protocol.

Top-level container

```

module: brocade-rbridge-lag
  +--rw load-balance-lag
    +--rw load-balance
      | +--rw hash
      |   +--rw ethernet
      |     | +--rw sa-mac?   empty
      |     | +--rw da-mac?   empty
      |     | +--rw vlan?     empty
      |     | +--rw etype?    empty
      |   +--rw ip
      |     | +--rw src-l4-port?  empty
      |     | +--rw dst-l4-port?  empty
      |     | +--rw src-ip?       empty
      |     | +--rw dst-ip?       empty
      |     | +--rw protocol?     empty
      |   +--rw ipv6
      |     | +--rw ipv6-src-l4-port?  empty
      |     | +--rw ipv6-dst-l4-port?  empty
      |     | +--rw ipv6-src-ip?       empty
      |     | +--rw ipv6-dst-ip?       empty
      |     | +--rw ipv6-next-hdr?     empty
      |   +--rw mpls
      |     +--rw label1?  empty
      |     +--rw label2?  empty
      |     +--rw label3?  empty
    +--rw lag
      +--rw hash
        +--rw hdr-start
          | +--rw fwd-term?  enumeration
        +--rw bos
          | +--rw start-skip?  enumeration
        +--rw hdr-count?      uint32
        +--rw rotate?         uint32
        +--rw normalize?      empty
        +--rw srcport?         empty
        +--rw pwctrlword?      empty
        +--rw speculate-mpls
          +--rw enable-eth-ip?  enumeration
  
```

brocade-resource-monitor

Top-level container

```
+--rw resource-monitor
  +--rw cpu
    | +--rw enable-cpu?      empty
    | +--rw threshold-cpu?  uint32
    | +--rw action-cpu?     resource-monitor-actiontype
    | +--rw sample-rate-cpu? uint32
    | +--rw logging-rate-cpu? uint32
    | +--rw grace-period-cpu? uint32
    | +--rw offset-cpu?     uint32
  +--rw memory
    | +--rw enable-memory?   empty
    | +--rw threshold-memory? uint32
    | +--rw action-memory?   resource-monitor-actiontype
    | +--rw sample-rate-memory? uint32
    | +--rw logging-rate-memory? uint32
    | +--rw grace-period-memory? uint32
    | +--rw offset-memory?   uint32
  +--rw process
    +--rw memory
      +--rw enable-process?   empty
      +--rw thresh-mem-alarm?  uint32
      +--rw thresh-mem-critic? uint32
```

brocade-rmon

Provides a data model for managing Remote Monitor (RMON). This data model facilitates configuring RMON events, RMON alarms, RMON Ethernet group statistics collections, and collection histories.

Top-level container

```
module: brocade-rmon
  +--rw rmon
    +--rw event-entry* [event-index]
      | +--rw event-index          event-index-type
      | +--rw event-description?   event-description-type
      | +--rw log?                 empty
      | +--rw event-community?     string
      | +--rw event-owner?         owner-string
    +--rw alarm-entry* [alarm-index]
      +--rw alarm-index            alarm-index-type
      +--rw snmp-oid               snmp-oid-type
      +--rw alarm-interval         uint32
      +--rw alarm-sample           alarm-sample-type
      +--rw alarm-rising-threshold uint32
      +--rw alarm-rising-event-index alarm-rising-event-index-type
      +--rw alarm-falling-threshold? uint32
      +--rw alarm-falling-event-index? alarm-falling-event-index-type
      +--rw alarm-owner?           owner-string
```

brocade-rpf

Describes the data model for the Reverse Path Forwarding (RPF) protocol.

Top-level container

```
module: brocade-rpf
  +--rw rpf_config
    +--rw urpf-exclude-default?  empty
```

External augmentations

```
module: brocade-interface
  | | +--rw rpf:rpf
  | | | +--rw rpf:log?  empty
  | | +--rw rpf:rpf-mode
  | | | +--rw rpf:mode?  enumeration
```

brocade-rtm

Provides a data model for IP routes.

Top-level Container

```
module: brocade-rtm
  +--rw prefix-independent-convergence-static!
  +--rw resilient-hash
    +--rw ecmp
      | +--rw resilient-hash-ecmp-enable?  empty
    +--rw max-path?  uint32
```

brocade-sec-services

Provides a data model for configuring a Telnet server or a Secure Shell (SSH) server.

Top-level container

```

module: brocade-sec-services
  +---rw telnet-sa
  |   +---rw telnet
  |       +---rw server
  |           +---rw telnet-vrf-cont
  |               +---rw use-vrf* [use-vrf-name]
  |                   +---rw use-vrf-name      string
  |                   +---rw telnet-vrf-shutdown? empty
  +---rw ssh-sa
  |   +---rw ssh
  |       +---rw server
  |           +---rw key-exchange?      string
  |           +---rw rekey-interval?    uint32
  |           +---rw rekey-volume?      uint32
  |           +---rw ssh-server-port?   uint32
  |           +---rw cipher?            string
  |           +---rw mac?                string
  |           +---rw max-auth-tries?    uint32
  |           +---rw max-idle-timeout?  uint32
  |           +---rw max-login-timeout? uint32
  |           +---rw key
  |               +---rw rsa?      rsa-bits-size
  |               +---rw ecdsa?   ecdsa-bits-size
  |               +---rw dsa?     empty
  |           +---rw ssh-vrf-cont
  |               +---rw use-vrf* [use-vrf-name]
  |                   +---rw use-vrf-name      string
  |                   +---rw ssh-vrf-shutdown? empty
  |           +---rw algorithm
  |               +---rw hostkey?  string
  |           +---rw certificate
  |               +---rw profile
  |                   +---rw server
  |                       +---rw trustpoint
  |                           +---rw sign?  string
  +---rw client
  |   +---rw cipher?      string
  |   +---rw mac?          string
  |   +---rw key-exchange? string
  |   +---rw source-interface
  |       +---rw interface-type?  source-interface-type
  |       +---rw ethernet
  |           +---rw interface-name?  interface:interface-type
  |       +---rw loopback
  |           +---rw interface-name?  loopback:intf-loopback-port-type
  |       +---rw ve
  |           +---rw interface-name?  interface:ve-type
  +---rw ssh-server
  |   +---x restart
  +---rw grub!
  |   +---rw config-enable?  empty
  |   +---rw user
  |       +---rw grub-username?  string
  |       +---rw grub-password?  string

```

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw brcd-sec-services:telnet
  |   |   +--rw brcd-sec-services:server

module: brocade-common-def
  +--rw show
  |   +--rw brcd-sec-services:ssh
  |   |   +--rw brcd-sec-services:server
  |   |   +--rw brcd-sec-services:client
```

brocade-sflow

Provides a data model for configuring sFlow—an industry standard technology for monitoring high-speed switched networks.

Top-level container

```

module: brocade-sflow
  +--rw sflow
  |   +--rw enable?          empty
  |   +--rw null0-sampling?  empty
  |   +--rw collector-vrf?   common-def:vrf-name
  |   +--rw agent-address
  |   |   +--rw agent-addr-type?  ip-addr-type
  |   |   +--rw agent-interface-type?  source-interface-type
  |   |   +--rw agent-interface-name?  string-type
  |   +--rw source-interface
  |   |   +--rw interface-type?  source-interface-type
  |   |   +--rw interface-name?  string-type
  |   +--rw collector* [collector-ip-address collector-port-number use-vrf]
  |   |   +--rw collector-ip-address  inet:ip-address
  |   |   +--rw collector-port-number  uint32
  |   |   +--rw use-vrf               common-def:use-vrf
  |   +--rw polling-interval?  uint32
  |   +--rw sample-rate?       uint32
  +--rw sflow-profile* [profile-name]
  |   +--rw profile-name          profile-name-type
  |   +--rw profile-sampling-rate?  uint32

```

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw ethernet [name]
  |   |   +--rw sflow:sflow
  |   |   |   +--rw sflow:enable?          empty
  |   |   |   +--rw sflow:polling-interval?  uint32
  |   |   |   +--rw sflow:sample-rate?       uint32

```

brocade-snmp

Provides a data model for configuring the SNMP server.

Top-level container

```

module: brocade-snmp
  +--rw snmp-server
    +--rw context* [context-name]
      | +--rw context-name    string
      | +--rw vrf-name?      string
    +--rw community* [community]
      | +--rw community      string
      | +--rw groupname?     string
    +--rw user* [username]
      | +--rw username        string
      | +--rw groupname?      string
      | +--rw auth?           enumeration
      | +--rw auth-password?  string
      | +--rw priv?           enumeration
      | +--rw priv-password?  string
      | +--rw encrypted?      empty
    +--rw v3host* [hostip username]
      | +--rw hostip          inet:host
      | +--rw username        string
      | +--rw udp-port?       host-port
      | +--rw notifytype?     enumeration
      | +--rw engineid?       string
      | +--rw severity-level? sev-level
      | +--rw use-vrf?         use-vrf-option
      | +--rw source-interface
      |   +--rw (source-interface-type)?
      |     +--:(loopback)
      |       | +--rw loopback?    intf-loopback-port-type
      |     +--:(ve)
      |       | +--rw ve?          ve-type
      |     +--:(management)
      |       +--rw management?    mm-iftype
    +--rw host* [ip community]
      | +--rw ip              inet:host
      | +--rw version?        host-version
      | +--rw community       string
      | +--rw udp-port?       host-port
      | +--rw severity-level? sev-level
      | +--rw use-vrf?         use-vrf-option
      | +--rw source-interface
      |   +--rw (source-interface-type)?
      |     +--:(loopback)
      |       | +--rw loopback?    intf-loopback-port-type
      |     +--:(ve)
      |       | +--rw ve?          ve-type
      |     +--:(management)
      |       +--rw management?    mm-iftype
    +--rw agtconfig
      | +--rw contact?        system-contact
      | +--rw location?       system-location
      | +--rw sys-descr?      system-description
    +--rw enable
      | +--rw trap
      |   +--rw trap-flag?    empty
    +--rw preserve-statistics
      | +--rw disable

```

```

|   +--rw disable-flag?   empty
+--rw engineID-drop
|   +--rw engineID
|       +--rw local?      snmp-engineID
+--rw view* [viewname mibtree]
|   +--rw viewname        string
|   +--rw mibtree          string
|   +--rw mibtree-access? mib-access
+--rw group* [group-name group-version]
|   +--rw group-name       string
|   +--rw group-version    group-version-type
|   +--rw group-auth-mode? auth-mode-option
|   +--rw read?            string
|   +--rw write?           string
|   +--rw notify?          string
+--rw mib
|   +--rw community-map* [community]
|       +--rw community   string
|       +--rw context?    string
+--rw trap
|   +--rw bfd-std-mib?     empty
+--rw use-vrf* [use-vrf-name]
|   +--rw use-vrf-name     string
|   +--rw snmp-vrf-shutdown? empty

```

RPCs

```

rpcs:
  +---x get-snmp-community
  +---w input
  |   +---w community   string
  +--ro output
  |   +--ro encrypted-community? string
  |   +--ro groupname?      string

```

brocade-span

Provides a data model for managing the Switch Port Analyzer (SPAN) port mirroring feature.

Top-level container

```

module: brocade-span
  +--rw monitor
    +--rw session* [session-number]
      +--rw session-number    session-type
      +--rw description?      string
      +--rw span-command
        +--rw source?          enumeration
        +--rw src-ethernet?     enumeration
        +--rw src-ethernet-val? span-if-type
        +--rw src-port-channel-val? interface:portchannel-type
        +--rw src-ve-val?       interface:ui32-vlan-range
        +--rw src-vlan-val?     interface:ui32-vlan-range
        +--rw destination?     enumeration
        +--rw dest-ethernet?    enumeration
        +--rw dest-ethernet-val? span-if-type
        +--rw dest-vlan-val?    interface:vlan-type
        +--rw dest-port-channel-val? interface:portchannel-type
        +--rw direction?       enumeration
        +--rw span-session-type? enumeration
        +--rw dest-erspan-id?   uint32
        +--rw source-ip?       inet:ipv4-address
        +--rw destination-ip?  inet:ipv4-address
        +--rw vrf?             common-def:use-vrf
        +--rw erspan-direction? enumeration
        +--rw erspan-session-type? enumeration
        +--rw dest-rspan-port-type? enumeration
        +--rw dest-rspan-ethernet-val? span-if-type
        +--rw dest-rspan-port-channel-val? interface:portchannel-type
        +--rw rspan-direction? enumeration
        +--rw rspan-session-type? enumeration

```

External augmentations

```

module: brocade-interface
  +--rw interface-vlan
  |   +--rw interface
  |   |   +--rw vlan [name]
  |   |   |   +--rw span:remote-span? empty /*alt-name:rspan-vlan*/

```

brocade-ssm-operational

Manages the switch security module (SSM).

Top-level container

```

module: brocade-ssm-operational
  +--ro app-telemetry-acl-list-state
  |   +--ro acls* [type name direction seqid action rule status]
  |   |   +--ro type          string
  |   |   +--ro name          string
  |   |   +--ro direction     string
  |   |   +--ro seqid         string
  |   |   +--ro action        string
  |   |   +--ro rule          string
  |   |   +--ro status        string
  +--ro app-telemetry-counters-state
  |   +--ro counter-list* [name packets bytes]
  |   |   +--ro name          string
  |   |   +--ro packets       uint64
  |   |   +--ro bytes         uint64
  +--ro vxlan-acl-state
  |   +--ro extended-data* [acl-name]
  |   |   +--ro acl-name      string
  |   |   +--ro seq-num?     uint32
  |   |   +--ro permit-deny? string
  |   |   +--ro dst-vtep-ip? inet:ipv4-address
  |   |   +--ro src-vtep-ip? inet:ipv4-address
  |   |   +--ro vni?         string
  |   |   +--ro vni-mask?    string
  |   |   +--ro native-tag?   string
  |   |   +--ro dst-ip?       inet:ipv4-address
  |   |   +--ro dst-ip-mask? uint16
  |   |   +--ro src-ip?       inet:ipv4-address
  |   |   +--ro src-ip-mask? uint16
  |   |   +--ro dst-port?     uint16
  |   |   +--ro src-port?     uint16
  |   |   +--ro count?        uint64
  |   |   +--ro byte-count?   uint64
  |   |   +--ro transit-name? string
  |   |   +--ro gateway-name? string
  |   |   +--ro sflow?        boolean
  |   |   +--ro redir-interface? string
  |   |   +--ro mirror-interface? string
  +--ro ip-source-guard-binding-entry-state* [mac-address]
  |   +--ro interface?       string
  |   +--ro ip-address?       string
  |   +--ro mac-address       string
  |   +--ro vlan-id?          uint32
  +--ro overlay-transit-state* [overlay-transit-name]
  |   +--ro overlay-transit-name string
  |   +--ro binded-overlay-acl?  string

```

brocade-sysdiag-operational

This management module is an instrumentation to manage the system diagnostics. Use this module to the manage system diagnostics.

Top-level container

```

module: brocade-sysdiag-operational
  +--ro hw-state
  |   +--ro hw-route-info* [slot tower etcam-profile snowball]
  |   |   +--ro slot          uint16
  |   |   +--ro tower         uint16
  |   |   +--ro lpm-percent?   decimal64
  |   |   +--ro lem-percent?   decimal64
  |   |   +--ro tcam-percent?  decimal64
  |   |   +--ro etcam-profile  uint16
  |   |   +--ro snowball       uint16
  |   |   +--ro lpm-ipv4*      uint32
  |   |   +--ro lpm-ipv6*      uint32
  |   |   +--ro lpm-other*     uint32
  |   |   +--ro lem-ipv4*      uint32
  |   |   +--ro lem-ipv6*      uint32
  |   |   +--ro lem-other*     uint32
  |   |   +--ro lpm-total*     uint32
  |   |   +--ro lem-total*     uint32
  |   |   +--ro tcam-ipv4*     uint32
  |   |   +--ro tcam-ipv6*     uint32
  |   |   +--ro tcam-total*    uint32
  |   +--ro tm-state
  |   |   +--ro cngn-mon-dev
  |   |   |   +--ro discard-pkt-threshold?  uint32
  |   |   |   +--ro discard-log-interval?   uint16
  |   |   +--ro cngn-mon-voq
  |   |   |   +--ro discard-voq-pkt-threshold?  uint32
  |   |   |   +--ro discard-voq-log-interval?   uint16
  |   |   +--ro cngn-mon-del-pkt
  |   |   |   +--ro delete-pkt-threshold?  uint32
  |   |   |   +--ro delete-log-interval?   uint16
  |   |   +--ro tmdevicestataggr* [slot tower]
  |   |   |   +--ro slot          uint16
  |   |   |   +--ro tower         uint16
  |   |   |   +--ro ingress-total-pkt-cnt-aggr?  uint64
  |   |   |   +--ro cpu-pkt-cnt-aggr?            uint64
  |   |   |   +--ro nif-pkt-cnt-aggr?            uint64
  |   |   |   +--ro oamp-pkt-cnt-aggr?           uint64
  |   |   |   +--ro olp-pkt-cnt-aggr?           uint64
  |   |   |   +--ro rcy-pkt-cnt-aggr?           uint64
  |   |   |   +--ro mmu-pkt-cnt-aggr?           uint64
  |   |   |   +--ro enqueue-pkt-cnt-aggr?       uint64
  |   |   |   +--ro deque-pkt-cnt-aggr?         uint64
  |   |   |   +--ro total-discard-pkt-cnt-aggr?  uint64
  |   |   |   +--ro deleted-pkt-cnt-aggr?       uint64
  |   |   |   +--ro invalid-queue-pkt-aggr?     uint64
  |   |   |   +--ro ipt-fdt-pkt-cnt-aggr?       uint64
  |   |   |   +--ro ipt-crc-err-pkt-cnt-aggr?    uint64
  |   |   |   +--ro uni-pkt-cnt-aggr?           uint64
  |   |   |   +--ro fqp-pkt-cnt-aggr?           uint64
  |   |   |   +--ro uni-discard-pkt-cnt-aggr?    uint64
  |   |   |   +--ro mcast-discard-pkt-cnt-aggr?  uint64
  |   |   |   +--ro mcast-pkt-cnt-aggr?         uint64
  |   |   |   +--ro ehp-discard-cnt-aggr?       uint64
  |   |   |   +--ro prp-uc-discard-cnt-aggr?    uint64

```

```

| | +--ro prp-mc-discard-cnt-aggr?          uint64
| | +--ro prp-sop-uc-discard-cnt-aggr?      uint64
| | +--ro prp-sop-mc-discard-cnt-aggr?      uint64
| | +--ro ehp-mc-high-discard-cnt-aggr?     uint64
| | +--ro ehp-mc-low-discard-cnt-aggr?      uint64
| | +--ro erpp-lag-pruning-discard-cnt-aggr? uint64
| | +--ro erpp-pmf-discard-cnt-aggr?        uint64
| | +--ro erpp-vlan-membership-discard-cnt-aggr? uint64
| | +--ro epe-discard-cnt-aggr?            uint64
| | +--ro epe-cnt-aggr?                    uint64
| | +--ro tot-egr-pkt-cnt-aggr?            uint64
| +--ro non-empty-voq* [slot tower]
| | +--ro slot          uint16
| | +--ro tower         uint16
| | +--ro voq-id*       uint32
| | +--ro voq-size*     uint32
| +--ro buf-pool-stats* [slot tower]
| | +--ro slot          uint16
| | +--ro tower         uint16
| | +--ro dram-size?    uint16
| | +--ro bd-occ-core0? uint64
| | +--ro buf-occ-bytes-core0? uint64
| | +--ro bd-occ-core1? uint64
| | +--ro buf-occ-bytes-core1? uint64
| +--ro tmcputatssslot* [slot-id cpugroup-id priority]
| | +--ro slot-id       uint16
| | +--ro cpugroup-id   uint16
| | +--ro priority      uint16
| | +--ro enqueuepkt?   uint64
| | +--ro enqueuebytes? uint64
| | +--ro discardpkt?   uint64
| | +--ro discardbytes? uint64
| | +--ro currdepth?    uint64
| | +--ro maxdepth?     uint64
| +--ro tmcputatssslotallgrp* [slot-id priority]
| | +--ro slot-id       uint16
| | +--ro priority      uint16
| | +--ro enqueuepkt?   uint64
| | +--ro enqueuebytes? uint64
| | +--ro discardpkt?   uint64
| | +--ro discardbytes? uint64
| | +--ro currdepth?    uint64
| | +--ro maxdepth?     uint64
| +--ro tm-top-discard-pkt-data* [slot tower id]
| | +--ro slot          uint16
| | +--ro tower         uint16
| | +--ro id            uint16
| | +--ro dest-port?    string
| | +--ro priority?     uint16
| | +--ro queue?        uint32
| | +--ro discardpkt?   uint64
| +--ro tm-top-max-queue-depth-data* [slot tower id]
| | +--ro slot          uint16
| | +--ro tower         uint16
| | +--ro id            uint16
| | +--ro dest-port?    string
| | +--ro priority?     uint16
| | +--ro queue?        uint32
| | +--ro max-queue-depth? uint32
| | +--ro min-threshold? uint32
| | +--ro max-utilization? uint32
| +--ro tm-max-buff-util-data* [slot tower]
| | +--ro slot          uint16
| | +--ro tower         uint16

```

```

| | +--ro max-buff-size?   uint64
| | +--ro max-buff-util?   uint16
| +--ro tmvoqstatistics* [ing-slot ing-tower egr-voqid]
|   +--ro ing-slot         uint16
|   +--ro ing-tower         uint16
|   +--ro egr-voqid         uint16
|   +--ro priority?        uint16
|   +--ro enqueuepkt?      uint64
|   +--ro enqueuebytes?    uint64
|   +--ro discardpkt?      uint64
|   +--ro discardbytes?    uint64
|   +--ro currdepth?       uint64
|   +--ro maxdepth?        uint64
+--ro cpu-interface-state* [ifname]
| +--ro ifname             string
| +--ro stats
|   +--ro gos-link-status?   string
|   +--ro gos-tx-pkts-cnt?   uint64
|   +--ro gos-tx-bytes-cnt?  uint64
|   +--ro gos-tx-errors-cnt? uint64
|   +--ro gos-tx-drop-cnt?   uint64
|   +--ro gos-tx-overflow-error-cnt? uint64
|   +--ro gos-tx-carrier-error-cnt? uint64
|   +--ro gos-rx-pkts-cnt?   uint64
|   +--ro gos-rx-bytes-cnt?  uint64
|   +--ro gos-rx-errors-cnt? uint64
|   +--ro gos-rx-drop-cnt?   uint64
|   +--ro gos-rx-overflow-error-cnt? uint64
|   +--ro gos-rx-frame-error-cnt? uint64
|   +--ro host-link-status?   string
|   +--ro host-tx-pkts-cnt?   uint64
|   +--ro host-tx-bytes-cnt?  uint64
|   +--ro host-tx-errors-cnt? uint64
|   +--ro host-tx-drop-cnt?   uint64
|   +--ro host-tx-overflow-error-cnt? uint64
|   +--ro host-tx-carrier-error-cnt? uint64
|   +--ro host-rx-pkts-cnt?   uint64
|   +--ro host-rx-bytes-cnt?  uint64
|   +--ro host-rx-errors-cnt? uint64
|   +--ro host-rx-drop-cnt?   uint64
|   +--ro host-rx-overflow-error-cnt? uint64
|   +--ro host-rx-frame-error-cnt? uint64
|   +--ro host-tx-aborted-error-cnt? uint64
|   +--ro host-tx-fifo-error-cnt? uint64
|   +--ro host-tx-timeout-cnt? uint64
|   +--ro host-tx-flow-control-xon-cnt? uint64
|   +--ro host-tx-flow-control-xoff-cnt? uint64
|   +--ro host-tx-pkts-64bytes-cnt? uint64
|   +--ro host-tx-pkts-64-127bytes-cnt? uint64
|   +--ro host-tx-pkts-128-255bytes-cnt? uint64
|   +--ro host-tx-pkts-256-511bytes-cnt? uint64
|   +--ro host-tx-pkts-512-1023bytes-cnt? uint64
|   +--ro host-tx-pkts-1024bytes-max-cnt? uint64
|   +--ro host-tx-bcast-pkts-cnt? uint64
|   +--ro host-tx-mcast-pkts-cnt? uint64
|   +--ro host-rx-crc-error-cnt? uint64
|   +--ro host-rx-fifo-error-cnt? uint64
|   +--ro host-rx-missed-errors-cnt? uint64
|   +--ro host-rx-no-dma-resource-cnt? uint64
|   +--ro host-rx-flow-control-xon-cnt? uint64
|   +--ro host-rx-flow-control-xoff-cnt? uint64
|   +--ro host-rx-pkts-64bytes-cnt? uint64
|   +--ro host-rx-pkts-64-127bytes-cnt? uint64
|   +--ro host-rx-pkts-128-255bytes-cnt? uint64

```

```

|      +---ro host-rx-pkts-256-511bytes-cnt?      uint64
|      +---ro host-rx-pkts-512-1023bytes-cnt?     uint64
|      +---ro host-rx-pkts-1024bytes-max-cnt?     uint64
|      +---ro host-rx-good-pkts-cnt?              uint64
|      +---ro host-rx-bcast-pkts-cnt?             uint64
|      +---ro host-rx-mcast-pkts-cnt?             uint64
+---ro tm-link-connectivity-state* [device-id link port state speed loopback]
|   +---ro device-id      uint16
|   +---ro link            uint16
|   +---ro port            uint16
|   +---ro state           uint16
|   +---ro speed           string
|   +---ro loopback        uint16
+---ro tmmcastpriority-state* [slot-id priority]
|   +---ro slot-id         uint16
|   +---ro priority        uint16
|   +---ro enqueuepkt?     uint64
|   +---ro enqueuebytes?   uint64
|   +---ro discardpkt?     uint64
|   +---ro discardbytes?   uint64
|   +---ro currdepth?      uint64
|   +---ro maxdepth?       uint64
+---ro tmmcastpriorityall-state* [slot-id]
|   +---ro slot-id         uint16
|   +---ro enqueuepkt?     uint64
|   +---ro enqueuebytes?   uint64
|   +---ro discardpkt?     uint64
|   +---ro discardbytes?   uint64
|   +---ro currdepth?      uint64
|   +---ro maxdepth?       uint64

```

brocade-sysmgr

Displays the blade processor (BP) switch statistics for the switch.

External augmentations

```

module: brocade-common-def
  +--rw sysmgr:bpswitch
  |   +--ro sysmgr:clear-stats
  |   +--ro sysmgr:input
  |   +--ro sysmgr:output
module: brocade-common-def
  | +--rw sysmgr:bpswitch
  | | +--rw sysmgr:show-stats /*drop-node-name/
  | |   +--ro sysmgr:stats
  | |   +--ro sysmgr:input
  | |   | +--ro (show-bpswitch-type)?
  | |   |   +--:(stats1)
  | |   |   | +--ro sysmgr:port?      uint32
  | |   |   +--:(stats2)
  | |   |   +--ro sysmgr:global?     empty
  | |   +--ro sysmgr:output

```

brocade-sysmgr-operational

Provides a data model to manage the system manager.

Top-level container

```

module: brocade-sysmgr-operational
  +--ro sfm-state
    +--ro mcast* [mcastid]
      | +--ro mcastid          uint32
      | +--ro mcast-count?    uint32
      | +--ro mcast-sfmid?    uint32
      | +--ro mcast-feid?     uint32
      | +--ro mcast-sfmcoun?  uint32
      | +--ro mcast-out*      uint32
    +--ro statistics* [statistics-sfmid]
      | +--ro statistics-sfmid          uint32
      | +--ro statistics-feid?          uint32
      | +--ro statistics-pipe?          uint32
      | +--ro statistics-dch-total-in?  uint32
      | +--ro statistics-dch-total-out? uint32
      | +--ro statistics-dch-fifo-discard? uint32
      | +--ro statistics-dch-reorder-discard? uint32
      | +--ro statistics-dch-unreach-discard? uint32
      | +--ro statistics-dch-max-q-size?  uint32
      | +--ro statistics-dcm-tot?         uint32
      | +--ro statistics-dcm-drop?       uint32
      | +--ro statistics-dcm-max?        uint32
      | +--ro statistics-dcl-tot-in?     uint32
      | +--ro statistics-dcl-tot-out?    uint32
      | +--ro statistics-dcl-dropped?    uint32
      | +--ro statistics-dcl-max?        uint32
    +--ro links* [links-sfmid]
      | +--ro links-count?      uint32
      | +--ro links-sfmid      uint32
      | +--ro links-feid?      uint32
      | +--ro links-crc*       uint32
      | +--ro links-size*      uint32
      | +--ro links-codegroup* uint32
      | +--ro links-misalign*  uint32
      | +--ro links-lock*      uint32
      | +--ro links-accept*    uint32
      | +--ro links-error*     uint32
      | +--ro links-errorcount* uint32
    +--ro queue* [queue-sfmid]
      | +--ro queue-sfmid      uint32
      | +--ro queue-feid?     uint32
      | +--ro queue-pipe?     uint32
      | +--ro queue-dch-count? uint32
      | +--ro queue-dcm-count? uint32
      | +--ro queue-dcl-count? uint32
      | +--ro queue-dch-value* uint32
      | +--ro queue-dch-linkno* uint32
      | +--ro queue-dcm-value* uint32
      | +--ro queue-dcm-linkno* uint32
      | +--ro queue-dcl-value* uint32
      | +--ro queue-dcl-linkno* uint32
    +--ro thresholds* [thresholds-sfmid]
      | +--ro thresholds-sfmid      uint32
      | +--ro thresholds-feid?      uint32
      | +--ro thresholds-port?      uint32
      | +--ro thresholds-pipe*      uint32

```

```
| +--ro thresholds-rxthreshold*   uint32
| +--ro thresholds-txthreshold*   uint32
| +--ro thresholds-midthreshold*  uint32
+--ro connectivity* [connectivity-sfmid]
| +--ro connectivity-count?       uint32
| +--ro connectivity-sfmid        uint32
| +--ro connectivity-feid?        uint32
| +--ro connectivity-type?        string
| +--ro connectivity-linkid*      uint32
| +--ro connectivity-moduleid*    uint32
| +--ro connectivity-port*        uint32
+--ro serdesmode* [serdesmode-sfmid]
  +--ro serdesmode?               uint32
  +--ro serdesmode-sfmid          uint32
  +--ro serdesmode-feid?          uint32
```

brocade-sysmon

Manage the traffic manager (TM) and switch fabric (SFM) error monitoring.

Use this module to manage TM and SFM error monitoring.

Top-level container

```
module: brocade-sysmon
  +--rw sysmon
    +--rw fe-access-check
      | +--rw fe-access-check-disable?          empty
      | +--rw fe-access-check-interval?        uint16
      | +--rw fe-access-check-threshold?       uint8
      | +--rw fe-access-check-recovery-threshold? uint8
      | +--rw fe-access-check-action?          enumeration
    +--rw link-crc-monitoring
      | +--rw link-crc-mon-disable?            empty
      | +--rw link-crc-mon-interval?          uint16
      | +--rw link-crc-mon-threshold?         uint8
      | +--rw link-crc-mon-action?            enumeration
    +--rw sfm-walk
      +--rw sfm-walk-auto?                    empty
      +--rw sfm-walk-dis-redundancy-check?    empty
      +--rw sfm-walk-interval?                uint16
      +--rw sfm-walk-threshold?               uint16
```

brocade-system

Provides a data model for system-related information.

RPCs

```
rpcs:
  +---x get-system-uptime
    +--ro output
      +--ro show-system-uptime
        | +--ro days?      common-def:time-interval-day
        | +--ro hours?    common-def:time-interval-hour
        | +--ro minutes?  common-def:time-interval-minute
        | +--ro seconds?  common-def:time-interval-sec
      +--ro cmd-error?    string
```

brocade-system-capabilities

Displays system capabilities of the SLXOS devices.

Top-level container

```

module: brocade-system-capabilities
  +---ro capabilities
    +---ro power
      | +---ro lc_sfm?          boolean
      | +---ro psu_on_off?     boolean
    +---ro temperature
      | +---ro tmpr_detail?    boolean
    +---ro qos
      | +---ro mls
      | | +---ro qos-cos-mutation-map?          boolean
      | | +---ro qos-tc-to-cos-map?             boolean
      | | +---ro qos-tc-to-dscp-map?            boolean
      | | +---ro qos-dscp-mutation-map?         boolean
      | | +---ro qos-dscp-to-cos-map?           boolean
      | | +---ro qos-queue-limit-config?        boolean
      | | +---ro qos-queue-scheduler-config?    boolean
      | | +---ro qos-rx-queue-limit-config?     boolean
      | | +---ro qos-show-tx-queue?             boolean
      | | +---ro qos-show-rx-queue?             boolean
      | | +---ro qos-intf-default-cos?          boolean
      | | +---ro qos-intf-default-traffic-class? boolean
      | | +---ro qos-intf-trust-cos?            boolean
      | | +---ro qos-intf-trust-dscp?           boolean
      | | +---ro qos-intf-remark-dscp?          boolean
      | | +---ro qos-intf-drop-monitor?         boolean
      | | +---ro qos-intf-rxqueue-costthreshold? boolean
      | | +---ro qos-intf-po-storm-control?     boolean
      | | +---ro qos-ecn?                      boolean
      | | +---ro flowcontrol
      | | | +---ro qos-flowcontrol?             boolean
      | | | +---ro qos-flowcontrol-tx?          boolean
      | | | +---ro qos-flowcontrol-pfc-config?  boolean
      | | | +---ro clear-qos-flowcontrol-statistics? boolean
    +---ro mqc
      | | +---ro span?                boolean
      | | +---ro vlan-based-actions?   boolean
      | | +---ro bd-based-actions?     boolean
      | | +---ro control-plane-policymap? boolean
      | | +---ro classmap-sflow-profile? boolean
    +---ro cpu
      | +---ro qos-cpu-slot?          boolean
    +---ro maps
      | +---ro qos_mpls?              boolean
    +---ro l3
      | +---ro rpf?                   boolean
      | +---ro ip_option?             boolean
    +---ro l2
      | +---ro port_profile?          boolean
      | +---ro overlap_vlan?          boolean
      | +---ro rspan?                 boolean
      | +---ro mac_move?              boolean
      | +---ro consistency_check?     boolean
      | +---ro learning_mode?         boolean
      | +---ro priority_tag?          boolean
      | +---ro internal_nsm?          boolean
    +---ro ipv6

```

```

| +--ro ipv6Raguard?  boolean
+--ro ssm
| +--ro aclTrafficType?  boolean
+--ro lag
| +--ro PortchannelRedundancy?  boolean
+--ro license
| +--ro eula_display?  boolean
| +--ro dpod_display?  boolean
| +--ro slot_display?  boolean
+--ro tm?  boolean
+--ro tm-voq-status?  boolean
+--ro overlay
| +--ro gre?  boolean
| +--ro vxlan
|   +--ro hardware-vtep?  boolean
|   +--ro vtep-ip-ve?  boolean
|   +--ro vxlan-tunnel-bfd?  boolean
|   +--ro vxlan-tunnel-mac-learn-protocol-bgp?  boolean
+--ro openflow
| +--ro ofbase?  boolean
| +--ro ingress?  boolean
+--ro vlan
| +--ro vlan-ipv6?  boolean
+--ro router
| +--ro mpls?  boolean
| +--ro isis?  boolean
| +--ro pim?  boolean
+--ro protocol
| +--ro mvrp?  boolean
+--ro bridge-domain
| +--ro router-ve-default-pw-profile?  boolean
| +--ro router-ve-tag-pw-profile?  boolean
| +--ro vc-peer?  boolean
| +--ro p2p?  boolean
| +--ro disallow-oar-ac?  boolean
+--ro telemetry
| +--ro queue-profile?  boolean
+--ro lldp
| +--ro bgp-auto-nbr-tlv?  boolean
+--ro prefix-list
| +--ro description?  boolean
+--ro mld
| +--ro mld-vlan-bd?  boolean
+--ro bgp
| +--ro gr-timers?  boolean
| +--ro ipv4-flowspec?  boolean
| +--ro ipv6-flowspec?  boolean
+--ro bfd
| +--ro bfd-max-session?  boolean
+--ro interface-ip
| +--ro icmp-redirect?  boolean
| +--ro route-only?  boolean
+--ro ethernet
| +--ro redundant-management?  boolean
+--ro load-balance
  +--ro hashing?  boolean

```

brocade-system-maintenance

Displays system's maintenance information.

Top-level container

```

+--rw management-heartbeat
  +--rw manager!
    +--rw heartbeat-enable?          empty
    +--rw heartbeat-threshold-timer? uint32
    +--rw heartbeat-action?          mhb_action_type

```

RPCs

```

+---x get-maint-mode-status
|   +--ro output
|   |   +--ro config-status?      mm-config-status
|   |   +--ro overall-status?     mm-status-type
|   |   +--ro num-stages?         uint32
|   |   +--ro current-stage?      uint32
|   |   +--ro max-time?           uint32
|   |   +--ro max-enable-time?    uint32
|   |   +--ro max-disable-time?   uint32
|   |   +--ro stages
|   |   |   +--ro stage* [stage-num]
|   |   |   |   +--ro stage-num    uint32
|   |   |   |   +--ro time-taken?  uint32
|   |   |   +--ro daemons
|   |   |   |   +--ro daemon* [daemon-name]
|   |   |   |   |   +--ro daemon-name  string
|   |   |   |   |   +--ro status?     mm-status-type
|   +---x get-system-maintenance-rate-monitoring
|   |   +--ro output
|   |   |   +--ro rate-monitoring* [interface-name]
|   |   |   |   +--ro interface-name  string
|   |   |   |   +--ro description?    string
|   |   |   |   +--ro local-state?    interface-state
|   |   |   |   +--ro exception?      string
|   |   |   |   +--ro rate?          string
|   +---x maintenance-mode-turn-off
|   |   +--ro output
|   |   |   +--ro result?            string
|   +---x heartbeat-manager-send-heartbeat
|   |   +--ro output
|   |   |   +--ro result?            string

```

brocade-system-monitor

Provides a data model for configuring monitoring thresholds for field-replaceable units (FRUs) and for configuring Fabric Watch e-mail alerts.

When a threshold is breached or when a FRU is inserted or removed, a RASlog message is generated. Using this module, you can configure the marginal threshold and down threshold values for the following FRUs:

- Fans
- Power supplies
- Chassis ID (CID) card
- Each small form-factor pluggable (SFP) media interface
- Compact flash
- Management Module (MM)
- Line cards
- Switch Fabric Module (SFM)

Top-level container

```

module: brocade-system-monitor
  +--rw system-monitor
  |   +--rw fan
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?      uint32
  |   |   +--rw alert
  |   |       +--rw state?      supported-state
  |   |       +--rw action?     supported-actions
  |   +--rw power
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?      uint32
  |   |   +--rw alert
  |   |       +--rw state?      supported-state
  |   |       +--rw action?     supported-actions
  |   +--rw temp
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?      uint32
  |   +--rw cid-card
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?      uint32
  |   |   +--rw alert
  |   |       +--rw state?      supported-state
  |   |       +--rw action?     supported-actions
  |   +--rw compact-flash
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?      uint32
  |   +--rw MM
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?      uint32
  |   +--rw LineCard
  |   |   +--rw threshold

```

```

| | | +--rw marginal-threshold? uint32
| | | +--rw down-threshold?    uint32
| | +--rw alert
| |   +--rw state?      supported-state
| |   +--rw action?     supported-actions
| +--rw SFM
| |   +--rw threshold
| |     +--rw marginal-threshold? uint32
| |     +--rw down-threshold?    uint32
| +--rw port!
| |   +--rw crc
| |     +--rw port-crc-mon-action? enumeration
| |     +--rw port-crc-mon-interval? uint16
| |     +--rw port-crc-mon-threshold? uint8
| |     +--rw port-crc-mon-disable? empty
| +--rw tm!
| |   +--rw discard-packet
| |     +--rw tm-discard-packet-action? enumeration
| |     +--rw tm-discard-packet-threshold? uint32
| |     +--rw tm-discard-packet-interval? uint16
| |   +--rw discard-voq-packet
| |     +--rw tm-discard-voq-packet-action? enumeration
| |     +--rw tm-discard-voq-packet-threshold? uint32
| |     +--rw tm-discard-voq-packet-interval? uint16
| |   +--rw delete-packet
| |     +--rw tm-delete-packet-action? enumeration
| |     +--rw tm-delete-packet-threshold? uint32
| |     +--rw tm-delete-packet-interval? uint16
+--rw system-monitor-mail
+--rw fru
| +--rw enable?      empty
| +--rw email-list* [email]
| +--rw email        string
+--rw sfp
| +--rw enable?      empty
| +--rw email-list* [email]
| +--rw email        string
+--rw security
| +--rw enable?      empty
| +--rw email-list* [email]
| +--rw email        string
+--rw interface
| +--rw enable?      empty
| +--rw email-list* [email]
| +--rw email        string
+--rw relay* [host-ip]
+--rw host-ip      inet:host
+--rw domain-name? string

```

brocade-system-monitor-ext

Provides a data model for returning system monitor data.

RPCs

```
rpcs:
  +---x show-system-monitor
    +--ro output
      +--ro switch-status*
        +--ro switch-name?      string
        +--ro switch-ip?        inet:ip-address
        +--ro report-time?       ietfyang:date-and-time
        +--ro switch-state?      system-monitor-health-state-enum
        +--ro switch-state-reason? string
        +--ro component-status*
          | +--ro component-name?  string
          | +--ro component-state? system-monitor-health-state-enum
        +--ro port-status*
          +--ro port-area?      uint32
          +--ro port-name?      string
          +--ro port-state?     system-monitor-port-state-enum
```

brocade-system-watermark

Defines the system-related information.

Top-level container

```
module: brocade-system-watermark
  +--rw system-config
    +--rw interface
      | +--rw utilization-watermark?  empty
    +--rw system-maintenance:maintenance!
      +--rw system-maintenance:enable?          empty
      +--rw system-maintenance:convergence-time? uint32
      +--rw system-maintenance:shutdown-time?   uint32
      +--rw system-maintenance:enable-on-reboot? empty
```

brocade-telemetry

Provides a data model to manage the telemetry configuration.

Top-level container

```

module: brocade-telemetry
  +--rw telemetry
    +--rw collector* [collector-name]
      | +--rw collector-name          common-def:name-string32
      | +--rw collector-ip
      | | +--rw collector-ip-address?  inet:ipv4-address
      | | +--rw collector-port?        inet:port-number
      | +--rw use-vrf?                 common-def:use-vrf
      | +--rw source-interface
      | | +--rw source-intf-type?      source-interface-type
      | | +--rw ethernet
      | | | +--rw source-intf-name?    ethernet-iftype
      | | +--rw loopback
      | | | +--rw source-intf-name?    loopback-iftype
      | | +--rw ve
      | | | +--rw source-intf-name?    ve-iftype
      | | +--rw management
      | | | +--rw source-intf-name?    mm-iftype
      | +--rw collector-profile* [collector-profiletype collector-profilename]
      | | +--rw collector-profiletype  telemetry-profile-type
      | | +--rw collector-profilename  collector-profile-name-type
      | +--rw collector-encoding?     collector-encoding-type
      | +--rw collector-activate?     empty
    +--rw server* [use-vrf]
      | +--rw use-vrf                 common-def:use-vrf
      | +--rw transport?              service-transport-type
      | +--rw port?                   service-port-type
      | +--rw activate?               empty
    +--rw profile
      | +--rw system-utilization* [name]
      | | +--rw name                  system-profile-name-type
      | | +--rw interval?             system-profile-interval-type
      | | +--rw add* [object]
      | | | +--rw object              system-profile-object-type
      | +--rw interface* [name]
      | | +--rw name                  interface-profile-name-type
      | | +--rw interval?             interface-profile-interval-type
      | | +--rw interface* [interface-range]
      | | | +--rw interface-range     phy-interface-range-cli-pattern
      | | +--rw add* [object]
      | | | +--rw object              interface-profile-object-type
      | +--rw enhanced-queue-discard-pkts* [name]
      | | +--rw name                  enhanced-queue-discard-pkts-profile-name-type
      | | +--rw interval?             queue-profile-interval-type
      | | +--rw interface-range?      phy-interface-range-cli-pattern
      | | +--rw add* [object]
      | | | +--rw object              enhanced-queue-discard-pkts-profile-object-type
      | +--rw enhanced-queue-max-queue-depth* [name]
      | | +--rw name                  enhanced-queue-max-queue-depth-profile-name-type
      | | +--rw interval?             queue-profile-interval-type
      | | +--rw interface-range?      phy-interface-range-cli-pattern
      | | +--rw add* [object]
      | | | +--rw object              enhanced-queue-max-queue-depth-profile-object-type
      | +--rw queue* [name]
      | | +--rw name                  queue-profile-name-type
      | | +--rw interval?             queue-profile-interval-type

```

```

| | +--rw interface-range?  phy-interface-range-cli-pattern
| | +--rw add* [object]
| |   +--rw object      queue-profile-object-type
| +--rw mpls-traffic-lsp* [name]
| |   +--rw name          mpls-traffic-lsp-profile-name-type
| |   +--rw interval?     mpls-traffic-profile-interval-type
| |   +--rw mpls-traffic-lsps* [mpls-traffic-lsp-name]
| |   | +--rw mpls-traffic-lsp-name  string
| |   +--rw add* [object]
| |   +--rw object      mpls-traffic-profile-object-type
| +--rw mpls-traffic-bypass* [name]
| |   +--rw name          mpls-traffic-bypass-profile-name-type
| |   +--rw interval?     mpls-traffic-profile-interval-type
| |   +--rw mpls-traffic-bypasses* [mpls-traffic-bypass-name]
| |   | +--rw mpls-traffic-bypass-name  string
| |   +--rw add* [object]
| |   +--rw object      mpls-traffic-profile-object-type
| +--rw mpls-traffic-fec* [name]
| |   +--rw name          mpls-traffic-fec-profile-name-type
| |   +--rw interval?     mpls-traffic-profile-interval-type
| |   +--rw mpls-traffic-fecs* [mpls-traffic-fec-address]
| |   | +--rw mpls-traffic-fec-address  inet:ipv4-address
| |   +--rw add* [object]
| |   +--rw object      mpls-traffic-profile-object-type
+--rw reset
+---x profile
+---w input
+---w profile-type?  telemetry-profile-type

```

brocade-terminal

Provides a data model for managing CLI session features such as timeout.

Top-level container

```
module: brocade-terminal
  +--rw terminal-cfg
    +--rw line* [sessionid]
      +--rw sessionid      terminal-type
      +--rw exec-timeout?  uint32
```

brocade-threshold-monitor

Provides a data model monitoring components by alerting the user when thresholds are exceeded.

The following components are monitored:

- CPU usage
- 1-, 10-, and 40-Gigabit Ethernet interfaces
- Memory usage
- Security parameters, including Telnet violations and login violations

Top-level container

```

module: brocade-threshold-monitor
  +--rw threshold-monitor-hidden
    +--rw threshold-monitor
      +--rw sfp
        | +--rw apply?      supported-config
        | +--rw pause?     empty
        | +--rw policy* [policy_name]
        |   +--rw policy_name string
        |   +--rw area* [type area_value]
        |     +--rw type      enumeration
        |     +--rw area_value enumeration
        |     +--rw threshold
        |       | +--rw high-threshold? int32
        |       | +--rw low-threshold?  int32
        |       | +--rw buffer?         int32
        |     +--rw alert
        |       +--rw above
        |         | +--rw above-highthresh-action? supported-actions
        |       +--rw below
        |         +--rw below-highthresh-action? supported-actions
        |         +--rw below-lowthresh-action?  supported-actions
      +--rw Cpu
        | +--rw poll?      uint32
        | +--rw retry?     uint32
        | +--rw limit?     uint32
        | +--rw actions?   enumeration
      +--rw Memory
        | +--rw poll?      uint32
        | +--rw retry?     uint32
        | +--rw high-limit? uint32
        | +--rw actions?   enumeration
      +--rw Buffer
        | +--rw poll?      uint32
        | +--rw retry?     uint32
        | +--rw limit?     uint32
        | +--rw actions?   enumeration
      +--rw bfd-session
        | +--rw high-limit? uint32
        | +--rw low-limit?  uint32
        | +--rw actions?   enumeration
        | +--rw count?     uint32
        | +--rw interval?  uint32
      +--rw vxlan-tunnel
        | +--rw high-limit? uint32
        | +--rw low-limit?  uint32
        | +--rw actions?   enumeration
        | +--rw count?     uint32

```

```
| +--rw interval?      uint32
+--rw lif
| +--rw high-limit?    uint32
| +--rw low-limit?     uint32
| +--rw actions?       enumeration
| +--rw count?         uint32
| +--rw interval?      uint32
+--rw mac-table
  +--rw high-limit?    uint32
  +--rw low-limit?     uint32
  +--rw actions?       enumeration
  +--rw count?         uint32
  +--rw interval?      uint32
```

brocade-tm-stats

Manages the traffic manager statistics.

RPCs

```
rpcs:
  +---x clear-tm-voq-stat-ing-all-egr-all
  |   +---w input
  |       +---w clear-tm-voq-ing-all-egress-port-all?   boolean
  +---x clear-tm-voq-stat-ing-all-egr-ifname
  |   +---w input
  |       +---w clear-tm-voq-ing-all-egress-port-name?   string
  +---x clear-tm-voq-stat-slot-id-egr-all
  |   +---w input
  |       +---w slot-id                                   common-def:lc-number-type
  |       +---w clear-tm-voq-slot-egress-port-all?       boolean
  +---x clear-tm-voq-slot-id-egress-port-name
  |   +---w input
  |       +---w slot-id                                   common-def:lc-number-type
  |       +---w clear-tm-voq-slot-egress-port-name        string
```

brocade-topology-group

Manages the topology group-related commands.

Top-level container

```
module: brocade-topology-group
  +--rw topology-group* [topology-group-id]
    +--rw topology-group-id      uint32
    +--rw master-vlan?           uint32
    +--rw member-vlan
      | +--rw member-vlan-add?    ui32-member-vlan-range
      | +--rw member-vlan-remove? ui32-member-vlan-range
    +--rw member-bridge-domain
      +--rw member-bridge-domain-add?    bd:ui32-bridge-domain-range
      +--rw member-bridge-domain-remove? bd:ui32-bridge-domain-range
```

brocade-tpvm

Provide the Third Party Virtual Machine (TPVM) administration commands.

Top-level container

```

module: brocade-tpvm
  +--rw tpvm
    +---x install
      | +---w input
      | | +---w tpvmid?   string
      | | +---w blade?    bladeType
      | | +---w debug?    boolean
      | +--ro output
      |   +--ro tpvm-install-msg?  string
    +---x uninstall
      | +---w input
      | | +---w tpvmid?   string
      | | +---w force?    empty
      | | +---w blade?    bladeType
      | | +---w debug?    boolean
      | +--ro output
      |   +--ro tpvm-uninstall-msg? string
    +---x download
      | +---w input
      | | +---w protocol   enumeration
      | | +---w user       string
      | | +---w password   string
      | | +---w host       inet:host
      | | +---w directory  string
      | | +---w filename   string
      | | +---w use-vrf?   common-def:use-vrf
      | | +---w sanity?    string
      | | +---w block?     empty
      | +--ro output
      |   +--ro tpvm-filename?  string
      |   +--ro tpvm-version?   string
      |   +--ro tpvm-length?    string
      |   +--ro tpvm-status?    string
    +---x fileinfo
      | +--ro output
      |   +--ro tpvm-filename?  string
      |   +--ro tpvm-version?   string
      |   +--ro tpvm-length?    string
      |   +--ro tpvm-status?    string
    +---x upgrade
      | +---w input
      | | +---w tpvmid?      string
      | | +---w (file-options)
      | | | +--:(local)
      | | | | +---w uselocalfile  empty
      | | | +--:(remote)
      | | | | +---w protocol      enumeration
      | | | | +---w user          string
      | | | | +---w password      string
      | | | | +---w host          inet:host
      | | | | +---w directory     string
      | | | | +---w filename      string
      | | | | +---w use-vrf?      common-def:use-vrf
      | | +---w snapshot?        empty
      | | +---w incremental?      empty
      | +--ro output

```

```

|     +--ro tpvm-upgrade-msg?  string
+---x password
|   +---w input
|   |   +---w blade?  bladeType
|   |   +---w debug?  boolean
|   +--ro output
|       +--ro tpvm-update-password-msg?  string
+---x start
|   +---w input
|   |   +---w tpvmid?  string
|   |   +---w blade?  bladeType
|   |   +---w debug?  boolean
|   +--ro output
|       +--ro tpvm-start-msg?  string
+---x stop
|   +---w input
|   |   +---w tpvmid?  string
|   |   +---w blade?  bladeType
|   |   +---w debug?  boolean
|   +--ro output
|       +--ro tpvm-stop-msg?  string
+--rw auto-boot
|   +---x enable
|   |   +---w input
|   |   |   +---w blade?  bladeType
|   |   |   +---w debug?  boolean
|   |   +--ro output
|   |       +--ro tpvm-enable-on-boot-msg?  string
|   +---x disable
|   |   +---w input
|   |   |   +---w blade?  bladeType
|   |   |   +---w debug?  boolean
|   |   +--ro output
|   |       +--ro tpvm-disable-on-boot-msg?  string
+--rw service-port
|   +---x enable
|   |   +---w input
|   |   |   +---w blade?  bladeType
|   |   |   +---w debug?  boolean
|   |   +--ro output
|   |       +--ro tpvm-sp-enable-msg?  string
+--rw disk
|   +---x add
|   |   +---w input
|   |   |   +---w name      union
|   |   |   +---w size      diskSize
|   |   |   +---w blade?    bladeType
|   |   |   +---w debug?    boolean
|   |   +--ro output
|   |       +--ro tpvm-add-disk-msg?  string
|   +---x remove
|   |   +---w input
|   |   |   +---w name      union
|   |   |   +---w blade?    bladeType
|   |   |   +---w debug?    boolean
|   |   +--ro output
|   |       +--ro tpvm-remove-disk-msg?  string
+--rw deploy
|   +---x mgmt
|   |   +---w input
|   |   |   +---w (options)
|   |   |   |   +---: (dhcp)
|   |   |   |   |   +---w dhcp          empty
|   |   |   |   |   +---: (ipaddr)

```

```

| | | | +---w ipaddr          union
| | | | +---w gw?            tpvm-ipv4-address
| | | +---w allow-pwless?    empty
| | | +---w admin-pwd?      string
| | | +---w confirm-pwd?    string
| | +--ro output
| | +--ro tpvm-mgmt-deploy-msg? string
+--rw insight-intf
| +---x insight
| | +---w input
| | | +---w ipaddr          union
| | | +---w gw?            tpvm-ipv4-address
| | | +---w allow-pwless?    empty
| | | +---w admin-pwd?      string
| | | +---w confirm-pwd?    string
+--rw config
| +--rw ldap
| | +---x add
| | | +---w input
| | | | +---w ldap-server
| | | | | +---w host?            inet:host
| | | | | +---w ldap-server-options
| | | | | +---w port?          uint16
| | | | | +---w secure?        empty
| | | | +---w basedn?          string
| | | | +---w rootdn?          string
| | | | +---w rootdnpw?        string
| | | +---x remove
| | | +---w input
| | | | +---w ldap-server
| | | | | +---w host?            inet:host
| | | | | +---w ldap-server-options
| | | | | +---w port?          empty
| | | | | +---w secure?        empty
| | | | +---w basedn?          empty
| | | | +---w rootdn?          empty
| | | | +---w rootdnpw?        empty
| | +--rw ca-cert
| | | +---x import
| | | | +---w input
| | | | | +---w protocol        enumeration
| | | | | +---w user            string
| | | | | +---w password?       string
| | | | | +---w host            inet:host
| | | | | +---w directory       string
| | | | | +---w filename        string
| | | +---x remove
+--rw ntp
| | +---x add
| | | +---w input
| | | | +---w server          tpvm-ntp-server
| | | +---x remove
| | | +---w input
| | | | +---w server          tpvm-ntp-server
| | +---x default
+--rw dns
| | +---x add
| | | +---w input
| | | | +---w dns
| | | | | +---w dns-server          inet:ipv4-address
| | | | | +---w secondary-dns-server? inet:ipv4-address
| | | | +---w domain
| | | | | +---w domain-name?    string
| | | +---x remove

```

```

| +--rw system-attributes
| | +---x hostname
| | | +---w input
| | | | +---w name      string
| | +---x timezone
| | | +---w input
| | | | +---w zone      common-def:timezone
| +--rw trusted-peer
| | +---x add
| | | +---w input
| | | | +---w pwless
| | | | | +---w peer-ip      inet:ipv4-address
| | | | | +---w credentials
| | | | | +---w peer-password  string
| | | | | +---w peer-sudoer?   string
| | +---x remove
| | | +---w input
| | | | +---w pwless
| | | | | +---w peer-ip      inet:ipv4-address
| | | | | +---w credentials
| | | | | +---w peer-password  string
| | | | | +---w peer-sudoer?   string
+--rw snapshot
| +---x create
| | +---w input
| | | +---w tpvmid?      string
| | | +---w withefa?     boolean
| | +--ro output
| | | +--ro tpvm-snapshot-action-result?  tpvmActionResult
| | | +--ro tpvm-snapshot-msg?            string
| +---x delete
| | +---w input
| | | +---w tpvmid?      string
| | +--ro output
| | | +--ro tpvm-snapshot-action-result?  tpvmActionResult
| | | +--ro tpvm-snapshot-msg?            string
| +---x revert
| | +---w input
| | | +---w tpvmid?      string
| | +--ro output
| | | +--ro tpvm-snapshot-action-result?  tpvmActionResult
| | | +--ro tpvm-snapshot-msg?            string

```

RPCs

```

rpcs:
  +---x get-tpvm-detail
  +---w input
  | +---w tpvm-instance-id?  string
  +--ro output
  | +--ro tpvm
  | | +--ro tpvm-state?      tpvmStateType
  | | +--ro additional-status?  string
  | | +--ro version?          string
  | | +--ro auto-boot-enabled?  empty
  | | +--ro allow-pwless-enabled?  empty
  | | +--ro password?          string
  | | +--ro hostname?          string
  | | +--ro timezone?          string
  | +--ro ldap
  | | +--ro host?             string
  | | +--ro port?             uint16
  | | +--ro secure?           empty

```

```

| +--ro basedn?      string
| +--ro rootdn?      string
| +--ro rootdnpw?    string
+--ro dns
| +--ro primary?     union
| +--ro secondary?   union
| +--ro domain?      string
+--ro ntp* [server]
| +--ro server        string
+--ro trusted-peer
| +--ro (options)
| | +--:(peer-ip)
| | | +--ro peer-ip      inet:ipv4-address
| | +--:(peer-ipv6)
| | | +--ro peer-ipv6    inet:ipv6-address
| +--ro sudo-user?    string
| +--ro peer-password? string
+--ro disk* [disk-name]
| +--ro disk-name      string
| +--ro disk-size?     string
+--ro interface* [interface-name]
| +--ro interface-name string
| +--ro ipv4-address?   string
| +--ro gateway?        inet:ipv4-address
| +--ro ipv6-address?   string
| +--ro gateway-v6?     inet:ipv6-address

```

brocade-tunnels

Provides a data model to manage tunnels configuration.

Top-level container

```

module: brocade-tunnels
  +--rw nsx-controller* [name]
  |   +--rw name                          nvp-controller-name-type
  |   +--rw connection-addr
  |   |   +--rw address?    inet:ip-address
  |   |   +--rw port?      uint32
  |   |   +--rw method?    enumeration
  |   +--rw reconnect-interval?  uint32
  |   +--rw activate?           empty
  +--rw overlay-gateway* [name]
  |   +--rw name                  overlay-gw-name-type
  |   +--rw gw-type?             overlay-gw-type
  |   +--rw ip
  |   |   +--rw interface
  |   |   |   +--rw ve
  |   |   |   |   +--rw ve-id?          intf:ve-type
  |   |   |   |   +--rw vrrp-extended-group?  vrrp:vrid-type
  |   |   |   |   +--rw fabric-virtual-gateway!
  |   |   |   +--rw loopback
  |   |   |   |   +--rw loopback-id?  lo:intf-loopback-port-type
  |   +--rw map
  |   |   +--rw vlan-and-bd
  |   |   |   +--rw vni
  |   |   |   |   +--rw auto?    empty
  |   |   +--rw vlan-vni-mapping* [vid]
  |   |   |   +--rw vid          vlan-type
  |   |   |   +--rw vni?        vni-type
  |   |   +--rw bd-vni-mapping* [bdid]
  |   |   |   +--rw bdid        bridge-domain-id-type
  |   |   |   +--rw vni?        vni-type
  |   +--rw optimized-replication!
  |   |   +--rw underlay-mdt-default-group?  inet:ipv4-address
  |   |   +--rw underlay-mdt-group* [group-ip-address broadcast-domain-type]
  |   |   |   +--rw group-ip-address          inet:ipv4-address
  |   |   |   +--rw broadcast-domain-type    broadcast-domain-enum-type
  |   |   |   +--rw add?                     intf:ui32-vlan-20k-range
  |   |   |   +--rw remove?                  intf:ui32-vlan-20k-range
  |   +--rw qos-dscp-mode?          qos-mode-type
  +--rw access-lists
  |   +--rw overlay-acl-in
  |   |   +--rw in-name?    overlay-acl-name
  |   |   +--rw in-dir?    empty
  +--rw site* [name]
  |   +--rw name            site-id-type
  |   +--rw description?    string
  |   +--rw tunnel-dst* [address]
  |   |   +--rw address    inet:ip-address
  |   +--rw static* [mac-address vni-num]
  |   |   +--rw mac-address    mac-access-list:mac-address-type
  |   |   +--rw vni-num        vni-num-type
  |   +--rw extend
  |   |   +--rw vlan
  |   |   |   +--rw add?      vlan-range-type
  |   |   |   +--rw remove?  vlan-range-type
  |   |   +--rw bridge-domain
  |   |   |   +--rw bd-add?    bridge-domain-id-range-type

```

```

| | | +--rw bd-remove?    bridge-domain-id-range-type
| | +--rw mac-learning
| | | +--rw protocol?    mac-learning-proto-type
| | +--rw bfd-enable?    empty
| | +--rw bfd
| | | +--rw params
| | | | +--rw interval
| | | | | +--rw min-tx?    bfd-tx-interval-type
| | | | | +--rw min-rx?    bfd-rx-interval-type
| | | | | +--rw multiplier? bfd-multiplier-type
| | | | +--rw bfd-shutdown? empty
| | +--rw shutdown?      empty
| +--rw activate?        empty
+--rw ovsdb-server* [name]
| +--rw name            ovsdb-server-name-type
| +--rw port?          ovsdb-server-port-type
| +--rw activate?      empty
+--rw tunnel-settings
  +--rw system
    +--rw tunnel
      +--rw suppress-debounce? empty
      +--rw replicator
        +--rw load-balance?    empty

```

brocade-tunnels-ext

Provides a data model to manage IP tunnel configuration.

RPCs

```

rpcs:
  +---x get-tunnel-info
  |   +---w input
  |   |   +---w page-cursor?   string
  |   |   +---w node-id*       uint32
  |   |   +---w (filter-type)?
  |   |       +---:(filter-by-id)
  |   |           |   +---w id?           tnl:tunnel-id-type
  |   |           +---:(filter-by-mode)
  |   |               |   +---w mode?       tnl:tunnel-mode-type
  |   |           +---:(filter-by-gateway)
  |   |               |   +---w gw-name?    tnl:overlay-gw-name-type
  |   |           +---:(filter-by-sip)
  |   |               |   +---w src-ip?     inet:ipv4-address
  |   |           +---:(filter-by-dip)
  |   |               |   +---w dest-ip?    inet:ipv4-address
  |   |           +---:(filter-by-cfg-src)
  |   |               |   +---w config-src? config-src-type
  |   |           +---:(filter-by-site)
  |   |               |   +---w site-name?   tnl:site-id-type
  |   |           +---:(filter-by-adm-state)
  |   |               |   +---w admin-state? proto-state-type
  |   |           +---:(filter-by-opr-state)
  |   |               |   +---w oper-state?  proto-state-type
  |   |           +---:(filter-by-bfd-state)
  |   |               |   +---w bfd-state?   proto-state-type
  |   +---ro output
  |       +---ro tunnel*
  |           |   +---ro id?           tnl:tunnel-id-type
  |           |   +---ro mode?         tnl:tunnel-mode-type
  |           |   +---ro src-ip?       inet:ip-address
  |           |   +---ro dest-ip?      inet:ip-address
  |           |   +---ro vrf?          comn:vrf-name
  |           |   +---ro config-src?   config-src-type
  |           |   +---ro admin-state?  proto-state-type
  |           |   +---ro oper-state?   proto-state-type
  |           |   +---ro bfd-state?    proto-state-type
  |           |   +---ro tunnel-type?  tunnel-type
  |           |   +---ro nodes
  |           |       |   +---ro node-id*  uint32
  |           |       +---ro has-conflicts? empty
  |           +---ro next-page-cursor? string
  +---x get-tunnel-statistics
  |   +---w input
  |   |   +---w page-cursor?   string
  |   |   +---w node-id*       uint32
  |   |   +---w (filter-type)?
  |   |       +---:(filter-by-id)
  |   |           |   +---w id?           tnl:tunnel-id-type
  |   |           +---:(filter-by-mode)
  |   |               |   +---w mode?       tnl:tunnel-mode-type
  |   |           +---:(filter-by-gateway)
  |   |               |   +---w gw-name?    tnl:overlay-gw-name-type
  |   +---ro output
  |       +---ro tunnel-stat*
  |           |   +---ro id?           tnl:tunnel-id-type

```

```
| +--ro tx-frames?   uint64
| +--ro tx-bytes?    uint64
| +--ro rx-frames?   uint64
| +--ro rx-bytes?    uint64
+--ro next-page-cursor?  string
```

brocade-uda-access-list

Top-level container

```

+--rw uda
|   +--rw access-list
|   |   +--rw extended* [name]
|   |   |   +--rw name                uda-acl-name
|   |   |   +--rw uda-acl-ext
|   |   |   |   +--rw seq* [seq-id]
|   |   |   |   |   +--rw seq-id          uint64
|   |   |   |   |   +--rw action          enumeration
|   |   |   |   |   +--rw uda-value0      uda-value-type
|   |   |   |   |   +--rw uda-value-mask0  uda-mask-type
|   |   |   |   |   +--rw uda-value1      uda-value-type
|   |   |   |   |   +--rw uda-value-mask1  uda-mask-type
|   |   |   |   |   +--rw uda-value2      uda-value-type
|   |   |   |   |   +--rw uda-value-mask2  uda-mask-type
|   |   |   |   |   +--rw uda-value3      uda-value-type
|   |   |   |   |   +--rw uda-value-mask3  uda-mask-type
|   |   |   |   |   +--rw count?          empty
|   |   |   |   |   +--rw log?            empty
|   |   |   |   |   +--rw mirror?         empty
|   |   |   |   |   +--rw sflow?         empty
|   |   +--rw uda-key
|   |   |   +--rw profile* [name]
|   |   |   |   +--rw name                uda-profile-name
|   |   |   |   +--rw uda-profile-offsets
|   |   |   |   |   +--rw offset-base1?    uda-offset-base-type
|   |   |   |   |   +--rw negative1?      empty
|   |   |   |   |   +--rw uda-offset1?    uda-offset-value-type
|   |   |   |   |   +--rw offset-base2?    uda-offset-base-type
|   |   |   |   |   +--rw negative2?      empty
|   |   |   |   |   +--rw uda-offset2?    uda-offset-value-type
|   |   |   |   |   +--rw offset-base3?    uda-offset-base-type
|   |   |   |   |   +--rw negative3?      empty
|   |   |   |   |   +--rw uda-offset3?    uda-offset-value-type
|   |   |   |   |   +--rw offset-base4?    uda-offset-base-type
|   |   |   |   |   +--rw negative4?      empty
|   |   |   |   |   +--rw uda-offset4?    uda-offset-value-type

```

brocade-udld

Provides data model to manage Unidirectional Link Detection (UDLD) protocol configuration.

External augmentations

```
module: brocade-interface
  +--rw protocol
  |   +--rw udld:udld?
  |   |   +--rw udld:hello?      uint32
  |   |   +--rw udld:multipplier? uint32
  |   |   +--rw udld:shutdown?   empty

module: brocade-interface
  +--rw interface
  |   +--rw ethernet [name]
  |   |   +--rw udld:udld
  |   |   |   +--rw udld:udld-enable?   empty /*alt-name:"enable"*/
```

brocade-vcs

Provides a data model for managing the Extreme VCS fabric.

VCS fabric refers to the ability of a group of physical Ethernet switches, interconnected in an arbitrary way using the regular front-end data ports, to appear as one unified and transparent Ethernet switching service to the external network. The network that connects these individual switches is referred to as the fabric. The group of physical Ethernet switches in the fabric is referred to as the cluster.

The cluster behaves like a logical switch to the external network.

Top-level container

```
module: brocade-vcs
  +--ro vcsmode
  |   +--ro vcs-mode          boolean
  |   +--ro vcs-cluster-mode  boolean
  +--ro local-node
  |   +--ro swbd-number      uint32
  +--rw vcs
  |   +--rw virtual
  |   |   +--rw ip
  |   |   |   +--rw address* [address]
  |   |   |   |   +--rw address      common-def:ipv4-address-prefix-type
  |   |   |   |   +--rw inband
  |   |   |   |   +--rw interface
  |   |   |   |   +--rw ve?         ve-type
  |   |   +--rw ipv6
  |   |   |   +--rw address* [ipv6address]
  |   |   |   |   +--rw ipv6address  common-def:ipv6-address-prefix
  +--rw virtual-fabric
  |   +--rw vfab-enable?      empty
```

RPCs

```
rpcs:
  +---x get-last-config-update-time
  |   +--ro output
  |   |   +--ro last-config-update-time?  uint64
  +---x show-vcs
  |   +--ro output
  |   |   +--ro principal-switch-wwn?      string
  |   |   +--ro co-ordinator-wwn?         string
  |   |   +--ro vcs-cluster-type-info?     vcs-cluster-type
  |   |   +--ro vcs-guid?                  string
  |   |   +--ro virtual-ip-address?        string
  |   |   +--ro virtual-ipv6-address?      string
  |   |   +--ro total-nodes-in-cluster?    uint16
  |   |   +--ro nodes-disconnected-from-cluster?  uint16
  |   |   +--ro cluster-generic-status?    string
  |   |   +--ro cluster-specific-status?   string
  |   |   +--ro vcs-nodes
  |   |   |   +--ro vcs-node-info*
  |   |   |   |   +--ro node-num?          uint16
  |   |   |   |   +--ro node-serial-num?   string
  |   |   |   |   +--ro node-condition?    string
  |   |   |   |   +--ro node-status?       string
  |   |   |   |   +--ro node-hw-sync-state? node-hw-sync-state-type
  |   |   |   |   +--ro node-vcs-mode?    string
```

```

|         +--ro node-vcs-id?                uint16
|         +--ro node-rbridge-id?            uint16
|         +--ro node-is-principal?          boolean
|         +--ro co-ordinator?               boolean
|         +--ro node-switch-mac?            yang:mac-address
|         +--ro node-switch-wwn?            string
|         +--ro switch-fcf-mac?             yang:mac-address
|         +--ro node-internal-ip-address?   inet:ipv4-address
|         +--ro node-public-ip-addresses*
|         |   +--ro node-public-ip-address? inet:ipv4-address
|         +--ro node-public-ipv6-addresses*
|         |   +--ro node-public-ipv6-address? inet:ipv6-address
|         +--ro firmware-version?           string
|         +--ro node-swbd-number?           int32
|         +--ro node-switchname?            string
|         +--ro node-switchtype?            string
|         +--ro node-switch-subtype?        uint16
|         +--ro node-switch-description?    string
|         +--ro manufacturer-name?          string
|         +--ro node-state?                 node-state-type
|         +--ro node-fabric-state?          string
+----x get-vcs-details
|   +--ro output
|     +--ro vcs-details
|       +--ro principal-switch-wwn? string
|       +--ro co-ordinator-wwn?    string
|       +--ro local-switch-wwn?    string
|       +--ro node-vcs-mode?        boolean
|       +--ro node-vcs-type?        vcs-cluster-type
|       +--ro node-vcs-id?          uint32
+----x vcs-rbridge-config
|   +---w input
|     +---w vcs-id?                uint16
|     +---w rbridge-id?            uint16
+----x vcs-rbridge-context
|   +---w input
|     +---w rbridge-id?            uint16
+----x no-vcs-rbridge-context
+----x get-last-config-update-time-for-xpaths
|   +---w input
|     +---w xpath-strings* [xpath-string]
|     +---w xpath-string      string
+--ro output
|   +--ro last-config-update-time-for-xpaths* [xpath-string]
|   +--ro xpath-string                string
|   +--ro last-config-update-time?    uint64

```

brocade-vlan

Provides a data model for managing VLAN classifiers.

Top-level container

```
module: brocade-vlan
  +--rw vlan
    +--rw dot1q
      +--rw tag
        +--rw native?  empty
```

brocade-vrf

Provides a data model for managing Virtual Routing and Forwarding (VRF).

Top-level container

```

module: brocade-vrf
  +--rw vrf* [vrf-name]
    +--rw vrf-name                common-def:vrf-name
    +--rw route-distinguisher?    rd-type
    +--rw vpn-statistics?         empty
    +--rw resilient-hash
      | +--rw ecmp
      | | +--rw resilient-hash-ecmp-enable?  empty
      | +--rw max-path?    uint32
    +--rw evpn
      | +--rw irb
      | | +--rw ve?                interface:ve-type
      | | +--rw cluster-gateway?  empty
    +--rw route-target* [action target-community]
      | +--rw action                enumeration
      | +--rw target-community     four-byte-rt-type
    +--rw address-family
      | +--rw ip
      | | +--rw unicast!
      | | | +--rw max-route?                uint32
      | | | +--rw route-target-container
      | | | | +--rw route-target-evpn* [action target-community]
      | | | | | +--rw action                enumeration
      | | | | | +--rw target-community     four-byte-rt-type
      | | | | | +--rw evpn?                empty
      | | | +--rw route-target-container-ipv4
      | | | | +--rw route-target* [action target-community]
      | | | | | +--rw action                enumeration
      | | | | | +--rw target-community     four-byte-rt-type
      | | | | | +--rw evpn?                empty
      | | | +--rw import-vpn
      | | | | +--rw import
      | | | | | +--rw map-import-vpn?    route-map-type
      | | | +--rw import
      | | | | +--rw map-import?    route-map-type
      | | | | +--rw evpn-import?    empty
      | | | +--rw export-vpn
      | | | | +--rw export
      | | | | | +--rw map-export-vpn?    route-map-type
      | | | +--rw export
      | | | | +--rw map-export?    route-map-type
      | | | | +--rw evpn-export?    empty
      | | +--rw bgp
      | | | +--rw next-hop
      | | | | +--rw loopback?    intf-loopback:intf-loopback-port-type
      | | +--rw arp:arp-entry* [arp-ip-address]
      | | | +--rw arp:arp-ip-address    inet:ipv4-address
      | | | +--rw arp:mac-address-value? mac-access-list:mac-address-type
      | | | +--rw arp:interfacename?    enumeration
      | | | +--rw (interfacetype)?
      | | | | +--:(Port-channel)
      | | | | | +--rw arp:Port-channel?    interface:portchannel-type
      | | | | +--:(Ethernet)
      | | | | | +--rw arp:Ethernet?        interface:interface-type
      | | | | +--:(Ve)
      | | | | | +--rw arp:Ve?              interface:ve-type

```

```

| | | +--rw rtm:ip
| | | | +--rw rtm:route
| | | | | +--rw rtm:static-route-nh* [static-route-dest static-route-next-hop]
| | | | | | +--rw rtm:static-route-dest inet:ipv4-prefix
| | | | | | +--rw rtm:static-route-next-hop inet:ipv4-address
| | | | | +--rw rtm:route-attributes
| | | | | | +--rw rtm:metric? uint32
| | | | | | +--rw rtm:distance? uint32
| | | | | | +--rw rtm:tag? uint32
| | | | | +--rw rtm:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-
vrf static-route-next-hop]
| | | | | | +--rw rtm:static-route-next-vrf-dest inet:ipv4-prefix
| | | | | | +--rw rtm:next-hop-vrf common-def:vrf-name
| | | | | | +--rw rtm:static-route-next-hop inet:ipv4-address
| | | | | +--rw rtm:static-route-oif-vrf* [static-route-next-vrf-dest next-hop-
vrf static-route-oif-type static-route-oif-name]
| | | | | | +--rw rtm:static-route-next-vrf-dest inet:ipv4-prefix
| | | | | | +--rw rtm:next-hop-vrf common-def:vrf-name
| | | | | | +--rw rtm:static-route-oif-type enumeration
| | | | | | +--rw rtm:static-route-oif-name string
| | | | | +--rw rtm:static-route-oif* [static-route-dest static-route-oif-type
static-route-oif-name]
| | | | | | +--rw rtm:static-route-dest inet:ipv4-prefix
| | | | | | +--rw rtm:static-route-oif-type enumeration
| | | | | | +--rw rtm:static-route-oif-name string
| | | | | | +--rw rtm:route-attributes
| | | | | | | +--rw rtm:metric? uint32
| | | | | | | +--rw rtm:distance? uint32
| | | | | | | +--rw rtm:tag? uint32
| | | | | | +--rw rtm:static
| | | | | | +--rw rtm:bfd
| | | | | | +--rw rtm:bfd-static-route* [bfd-static-route-dest bfd-static-
route-src]
| | | | | | | +--rw rtm:bfd-static-route-dest inet:ipv4-address
| | | | | | | +--rw rtm:bfd-static-route-src inet:ipv4-address
| | | | | | | +--rw rtm:bfd-interval-attributes
| | | | | | | | +--rw rtm:interval? uint16
| | | | | | | | +--rw rtm:min-rx? uint16
| | | | | | | | +--rw rtm:multiplier? uint8
| | | | | | | | +--rw rtm:holdover-interval? uint8
| | | | | | | +--rw rtm:next-hop-recursion? empty
| | | | | +--rw rtm:import
| | | | | | +--rw rtm:routes* [src-vrf route-map]
| | | | | | | +--rw rtm:src-vrf common-def:vrf-name
| | | | | | | +--rw rtm:route-map common-def:name-string63
| | +--rw ipv6
| | | +--rw unicast!
| | | | +--rw max-route? uint32
| | | | +--rw route-target-container-ipv6
| | | | | +--rw route-target-evpn* [action target-community]
| | | | | | +--rw action enumeration
| | | | | | +--rw target-community four-byte-rt-type
| | | | | | +--rw evpn? empty
| | | | +--rw route-taret-container-ipv6
| | | | | +--rw route-target* [action target-community]
| | | | | | +--rw action enumeration
| | | | | | +--rw target-community four-byte-rt-type
| | | | | | +--rw evpn? empty
| | | +--rw import-vpn
| | | | +--rw import
| | | | | +--rw map-import-vpn? route-map-type
| | | +--rw import
| | | | +--rw map-import? route-map-type
| | | | +--rw evpn-import? empty

```

```

|         +--rw export-vpn
|         |   +--rw export
|         |   |   +--rw map-export-vpn?    route-map-type
|         +--rw export
|         |   +--rw map-export?    route-map-type
|         |   +--rw evpn-export?    empty
|         +--rw bgp
|         |   +--rw next-hop
|         |   |   +--rw loopback?    intf-loopback:intf-loopback-port-type
|         +--rw ipv6-route:ipv6
|         |   +--rw ipv6-route:route
|         |   |   +--rw ipv6-route:static-route-nh* [static-route-dest static-route-
next-hop]
|         |   |   |   +--rw ipv6-route:static-route-dest          inet:ipv6-prefix
|         |   |   |   +--rw ipv6-route:static-route-next-hop      inet:ipv6-address
|         |   |   |   +--rw ipv6-route:route-attributes
|         |   |   |   |   +--rw ipv6-route:metric?    uint32
|         |   |   |   |   +--rw ipv6-route:distance?  uint32
|         |   |   |   |   +--rw ipv6-route:tag?       uint32
|         |   |   |   +--rw ipv6-route:static-route-oif* [static-route-dest static-route-
oif-type static-route-oif-name]
|         |   |   |   |   +--rw ipv6-route:static-route-dest          inet:ipv6-prefix
|         |   |   |   |   +--rw ipv6-route:static-route-oif-type      enumeration
|         |   |   |   |   +--rw ipv6-route:static-route-oif-name      string
|         |   |   |   |   +--rw ipv6-route:route-attributes
|         |   |   |   |   |   +--rw ipv6-route:metric?    uint32
|         |   |   |   |   |   +--rw ipv6-route:distance?  uint32
|         |   |   |   |   |   +--rw ipv6-route:tag?       uint32
|         |   |   |   +--rw ipv6-route:link-local-static-route-nh* [link-local-static-
route-dest link-local-nexthop link-local-route-oif-type link-local-route-oif-name]
|         |   |   |   |   +--rw ipv6-route:link-local-static-route-dest  inet:ipv6-prefix
|         |   |   |   |   +--rw ipv6-route:link-local-nexthop            inet:ipv6-address
|         |   |   |   |   +--rw ipv6-route:link-local-route-oif-type      enumeration
|         |   |   |   |   +--rw ipv6-route:link-local-route-oif-name      string
|         |   |   |   |   +--rw ipv6-route:route-attributes
|         |   |   |   |   |   +--rw ipv6-route:metric?    uint32
|         |   |   |   |   |   +--rw ipv6-route:distance?  uint32
|         |   |   |   |   |   +--rw ipv6-route:tag?       uint32
|         |   |   |   +--rw ipv6-route:static-route-nh-vrf* [static-route-next-vrf-dest
next-hop-vrf static-route-next-hop]
|         |   |   |   |   +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
|         |   |   |   |   +--rw ipv6-route:next-hop-vrf                  common-def:vrf-name
|         |   |   |   |   +--rw ipv6-route:static-route-next-hop          inet:ipv6-address
|         |   |   |   +--rw ipv6-route:link-local-static-route-nh-vrf* [static-route-next-
vrf-dest next-hop-vrf link-local-next-hop link-local-route-oif-type link-local-route-oif-
name]
|         |   |   |   |   +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
|         |   |   |   |   +--rw ipv6-route:next-hop-vrf                  common-def:vrf-name
|         |   |   |   |   +--rw ipv6-route:link-local-next-hop            inet:ipv6-address
|         |   |   |   |   +--rw ipv6-route:link-local-route-oif-type      enumeration
|         |   |   |   |   +--rw ipv6-route:link-local-route-oif-name      string
|         |   |   |   +--rw ipv6-route:ipv6-static-route-oif-vrf* [static-route-next-vrf-
dest next-hop-vrf static-route-oif-type static-route-oif-name]
|         |   |   |   |   +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
|         |   |   |   |   +--rw ipv6-route:next-hop-vrf                  common-def:vrf-name
|         |   |   |   |   +--rw ipv6-route:static-route-oif-type          enumeration
|         |   |   |   |   +--rw ipv6-route:static-route-oif-name          string
|         |   |   |   +--rw ipv6-route:static
|         |   |   |   |   +--rw ipv6-route:bfd
|         |   |   |   |   +--rw ipv6-route:bfd-ipv6-static-route* [bfd-ipv6-static-route-
dest bfd-ipv6-static-route-src]
|         |   |   |   |   |   +--rw ipv6-route:bfd-ipv6-static-route-dest  inet:ipv6-
address
|         |   |   |   |   |   +--rw ipv6-route:bfd-ipv6-static-route-src  inet:ipv6-

```

```

address
|
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | | +--rw ipv6-route:interval?      uint16
| | | | +--rw ipv6-route:min-rx?        uint16
| | | | +--rw ipv6-route:multiplier?    uint8
| | | | +--rw ipv6-route:bfd-ipv6-link-local-static-route* [bfd-ipv6-
link-local-dest bfd-ipv6-link-local-src bfd-interface-type bfd-interface-name]
| | | | +--rw ipv6-route:bfd-ipv6-link-local-dest      inet:ipv6-
address
| | | | +--rw ipv6-route:bfd-ipv6-link-local-src      inet:ipv6-
address
| | | | +--rw ipv6-route:bfd-interface-type          enumeration
| | | | +--rw ipv6-route:bfd-interface-name          string
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | | +--rw ipv6-route:interval?      uint16
| | | | +--rw ipv6-route:min-rx?        uint16
| | | | +--rw ipv6-route:multiplier?    uint8
| | | | +--rw ipv6-route:ipv6-holdover-interval?      uint8
| | | | +--rw ipv6-route:next-hop-recursion?          empty
| | | +--rw ipv6-route:import
| | | +--rw ipv6-route:routes* [src-vrf route-map]
| | | +--rw ipv6-route:src-vrf      common-def:vrf-name
| | | +--rw ipv6-route:route-map    common-def:name-string63
+--rw ip
+--rw vrf-router-id?  inet:ipv4-address

```

brocade-vrrp

Provides a data model for configuring the Virtual Router Redundancy Protocol (VRRP).

Use this module to enable VRRP globally, and to configure and enable VRRP on specific interfaces to share workload and provide router redundancy.

Top-level Container

```
module: brocade-vrrp
  +---rw protocol-vrrp
    +---rw protocol
```

External augmentations

```
module: brocade-interface
+---rw vrrp:vrrp [vrid version]
  | | | +---rw vrrp:vrid                                vrid-type
  | | | +---rw vrrp:version                             uint8
  | | | +---rw vrrp:use-v2-checksum?                    empty
  | | | +---rw vrrp:virtual-ip [virtual-ipaddr]
  | | | | +---rw vrrp:virtual-ipaddr                    inet:ipv4-address
  | | | +---rw vrrp:track
  | | | | +---rw vrrp:interface [interface-type interface-name]
  | | | | | +---rw vrrp:interface-type                  track-iftype
  | | | | | +---rw vrrp:interface-name                  track-ifname
  | | | | | +---rw vrrp:track-priority?                 uint8
  | | | | +---rw vrrp:advertisement-interval?          uint32
  | | | | +---rw vrrp:enable?                           empty
  | | | | +---rw vrrp:hold-time?                        uint32
  | | | | +---rw vrrp:preempt-mode?                     empty
  | | | | +---rw vrrp:arp
  | | | | | +---rw vrrp:unicast-request
  | | | | | +---rw vrrp:receive?                        empty
  | | | +---rw vrrp:priority?                          uint8
  | | | +---rw vrrp:description?                       string
```

brocade-vrrpv3

Provides a data model for configuring the Virtual Router Redundancy Protocol IPv6 (VRRPv3).

Use this module to enable VRRPv3 globally, and to configure and enable VRRPv3 on specific interfaces to share workload and provide router redundancy.

Top-level container

```
module: brocade-vrrpv3
  +--rw vrrp-global
    +--rw vrrp-acceptmode-disable?  empty
```

External augmentations

```
module: brocade-interface
  +--rw vrrpv3:vrrpv3-group [vrid]
    | | | | +--rw vrrpv3:vrid vrid-type
    | | | | +--rw vrrpv3:use-v2-checksum? empty
    | | | | +--rw vrrpv3:virtual-ip [virtual-ipaddr]
    | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
    | | | | +--rw vrrpv3:track
    | | | | | +--rw vrrpv3:interface [interface-type interface-name]
    | | | | | +--rw vrrpv3:interface-type track-iftype
    | | | | | +--rw vrrpv3:interface-name track-ifname
    | | | | | +--rw vrrpv3:track-priority? uint8
    | | | | +--rw vrrpv3:advertisement-interval? uint32
    | | | | +--rw vrrpv3:enable? empty
    | | | | +--rw vrrpv3:hold-time? uint32
    | | | | +--rw vrrpv3:preempt-mode? empty
    | | | | +--rw vrrpv3:priority? uint8
    | | | | +--rw vrrpv3:description? string
    | | | +--rw vrrpv3:vrrpv3e-group [vrid]
    | | | | +--rw vrrpv3:vrid vrrpe-vrid-type
    | | | | +--rw vrrpv3:virtual-ip [virtual-ipaddr]
    | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
    | | | | +--rw vrrpv3:track
    | | | | | +--rw vrrpv3:interface [interface-type interface-name]
    | | | | | +--rw vrrpv3:interface-type track-iftype
    | | | | | +--rw vrrpv3:interface-name track-ifname
    | | | | | +--rw vrrpv3:track-priority? uint8
    | | | | +--rw vrrpv3:enable? empty
    | | | | +--rw vrrpv3:hold-time? uint32
    | | | | +--rw vrrpv3:preempt-mode? empty
    | | | | +--rw vrrpv3:priority? uint8
    | | | | +--rw vrrpv3:description? string
    | | | | +--rw vrrpv3:advertise-backup? empty
    | | | | +--rw vrrpv3:nd-advertisement-timer? uint32
    | | | | +--rw vrrpv3:advertisement-interval-scale? uint32
    | | | | +--rw vrrpv3:backup-advertisement-interval? uint32
    | | | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32
    | | | | +--rw vrrpv3:short-path-forwarding
    | | | | | +--rw vrrpv3:basic? empty
    | | | | | +--rw vrrpv3:revert-priority? uint8
```

brocade-vxlan-visibility

Manages Virtual Extensible LAN (VXLAN) visibility commands. Use this module to access VXLAN visibility commands.

Top-level container

```

module: brocade-vxlan-visibility
  +--rw overlay
  |   +--rw access-list
  |   |   +--rw type
  |   |   |   +--rw vxlan
  |   |   |   |   +--rw standard* [user-acl-name]
  |   |   |   |   |   +--rw user-acl-name      user-acl-name-type
  |   |   |   |   |   +--rw seq* [seq-num]
  |   |   |   |   |   |   +--rw seq-num          uint32
  |   |   |   |   |   |   +--rw permit-deny?      enumeration
  |   |   |   |   |   |   +--rw (choice-dst-vtep-ip)?
  |   |   |   |   |   |   |   +--:(case-dst-vtep-ip)
  |   |   |   |   |   |   |   |   +--rw dst-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   |   |   +--:(case-dst-vtep-ip-any)
  |   |   |   |   |   |   |   |   |   +--rw dst-vtep-ip-any?  empty
  |   |   |   |   |   |   +--rw (choice-src-vtep-ip)?
  |   |   |   |   |   |   |   +--:(case-src-vtep-ip)
  |   |   |   |   |   |   |   |   +--rw src-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   |   |   +--:(case-src-vtep-ip-any)
  |   |   |   |   |   |   |   |   |   +--rw src-vtep-ip-any?  empty
  |   |   |   |   |   |   +--rw (choice-vni)?
  |   |   |   |   |   |   |   +--:(case-vni)
  |   |   |   |   |   |   |   |   +--rw vni?              uint32
  |   |   |   |   |   |   |   |   +--:(case-vni-any)
  |   |   |   |   |   |   |   |   |   +--rw vni-any?        empty
  |   |   |   |   |   |   +--rw vni-mask?                string
  |   |   |   |   |   |   +--rw count?                    empty
  |   |   |   |   |   |   +--rw redirect?                 interface:interface-type
  |   |   |   |   |   |   +--rw sflow?                    empty
  |   |   +--rw extended* [ext-user-acl-name]
  |   |   |   +--rw ext-user-acl-name      user-acl-name-type
  |   |   |   +--rw ext-seq* [ext-seq-num]
  |   |   |   |   +--rw ext-seq-num          uint32
  |   |   |   |   +--rw ext-permit-deny?      enumeration
  |   |   |   |   +--rw (choice-ext-dst-vtep-ip)?
  |   |   |   |   |   +--:(case-ext-dst-vtep-ip)
  |   |   |   |   |   |   +--rw ext-dst-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   +--:(case-ext-dst-vtep-ip-any)
  |   |   |   |   |   |   |   +--rw ext-dst-vtep-ip-any?  empty
  |   |   |   |   |   +--rw (choice-ext-src-vtep-ip)?
  |   |   |   |   |   |   +--:(case-ext-src-vtep-ip)
  |   |   |   |   |   |   |   +--rw ext-src-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   |   +--:(case-ext-src-vtep-ip-any)
  |   |   |   |   |   |   |   |   +--rw ext-src-vtep-ip-any?  empty
  |   |   |   |   |   +--rw (choice-ext-vni)?
  |   |   |   |   |   |   +--:(case-ext-vni)
  |   |   |   |   |   |   |   +--rw ext-vni?              uint32
  |   |   |   |   |   |   |   +--:(case-ext-vni-any)
  |   |   |   |   |   |   |   |   +--rw ext-vni-any?        empty
  |   |   |   |   |   +--rw ext-vni-mask?          string
  |   |   |   |   |   +--rw ext-count?              empty
  |   |   |   |   |   +--rw ext-mirror?             interface:interface-type
  |   |   |   |   |   +--rw ext-redirect?            interface:interface-type
  |   |   |   |   |   +--rw ext-sflow?              empty
  |   |   |   |   |   +--rw native?                 empty

```

```

|           +--rw tag?                               enumeration
|           +--rw (choice-dst-ip)?
|           |   +--:(case-dst-ip-host)
|           |   |   +--rw dst-ip-host?                inet:ipv4-address
|           |   +--:(case-dst-ip)
|           |   |   +--rw dst-ip?                    union
|           |   +--:(case-dst-ip-any)
|           |   |   +--rw dst-ip-any?                empty
|           +--rw (choice-src-ip)?
|           |   +--:(case-src-ip-host)
|           |   |   +--rw src-ip-host?                inet:ipv4-address
|           |   +--:(case-src-ip)
|           |   |   +--rw src-ip?                    union
|           |   +--:(case-src-ip-any)
|           |   |   +--rw src-ip-any?                empty
|           +--rw (choice-dst-port)?
|           |   +--:(case-dst-port)
|           |   |   +--rw dst-port?                  uint32
|           |   +--:(case-dst-port-any)
|           |   |   +--rw dst-port-any?              empty
|           +--rw (choice-src-port)?
|           |   +--:(case-src-port)
|           |   |   +--rw src-port?                  uint32
|           |   +--:(case-src-port-any)
|           |   |   +--rw src-port-any?              empty
+--rw overlay-transit* [user-transit-name]
+--rw user-transit-name    user-transit-name-type
+--rw transit-overlay* [access-group in-out]
+--rw access-group        string
+--rw in-out              enumeration

```

brocade-xstp-ext

Provides a data model for obtaining operational data about the Spanning Tree Protocol.

RPCs

```

rpcs:
  +---x get-stp-brief-info
  |   +---w input
  |   |   +---w (request-type)?
  |   |   |   +---:(getnext-request)
  |   |   |   +---w last-rcvd-instance
  |   |   |   +---w instance-id?   uint32
  |   +---ro output
  |   |   +---ro spanning-tree-info
  |   |   |   +---ro stp-mode?   stp-type
  |   |   |   +---ro (spanning-tree-mode)?
  |   |   |   |   +---:(stp)
  |   |   |   |   |   +---ro stp
  |   |   |   |   |   |   +---ro root-bridge
  |   |   |   |   |   |   |   +---ro priority?   uint32
  |   |   |   |   |   |   |   +---ro bridge-id?   bridge-id-type
  |   |   |   |   |   |   |   +---ro hello-time?   uint32
  |   |   |   |   |   |   |   +---ro max-age?   uint32
  |   |   |   |   |   |   |   +---ro forward-delay?   uint32
  |   |   |   |   |   +---ro bridge
  |   |   |   |   |   |   +---ro priority?   uint32
  |   |   |   |   |   |   +---ro bridge-id?   bridge-id-type
  |   |   |   |   |   |   +---ro hello-time?   uint32
  |   |   |   |   |   |   +---ro max-age?   uint32
  |   |   |   |   |   |   +---ro forward-delay?   uint32
  |   |   |   |   +---ro port*
  |   |   |   |   |   +---ro interface-type?   enumeration
  |   |   |   |   |   +---ro interface-name?   union
  |   |   |   |   |   +---ro spanningtree-enabled?   boolean
  |   |   |   |   |   +---ro if-index?   uint64
  |   |   |   |   |   +---ro interface-id?   uint64
  |   |   |   |   |   +---ro if-role?   stp-port-role
  |   |   |   |   |   +---ro if-state?   stp-port-state
  |   |   |   |   |   +---ro external-path-cost?   uint32
  |   |   |   |   |   +---ro internal-path-cost?   uint32
  |   |   |   |   |   +---ro configured-path-cost?   uint32
  |   |   |   |   |   +---ro designated-port-id?   uint64
  |   |   |   |   |   +---ro port-priority?   uint32
  |   |   |   |   |   +---ro designated-bridge-id?   bridge-id-type
  |   |   |   |   |   +---ro port-hello-time?   uint32
  |   |   |   |   |   +---ro forward-transitions-count?   uint32
  |   |   |   |   |   +---ro received-stp-type?   stp-type
  |   |   |   |   |   +---ro transmitted-stp-type?   stp-type
  |   |   |   |   |   +---ro edge-port?   on-off-type
  |   |   |   |   |   +---ro auto-edge?   yes-no-type
  |   |   |   |   |   +---ro admin-edge?   yes-no-type
  |   |   |   |   |   +---ro edge-delay?   uint32
  |   |   |   |   |   +---ro configured-root-guard?   on-off-type
  |   |   |   |   |   +---ro oper-root-guard?   on-off-type
  |   |   |   |   |   +---ro boundary-port?   yes-no-type
  |   |   |   |   |   +---ro oper-bpdu-guard?   on-off-type
  |   |   |   |   |   +---ro oper-bpdu-filter?   on-off-type
  |   |   |   |   |   +---ro link-type?   stp-link-type
  |   |   |   |   |   +---ro rx-bpdu-count?   uint64
  |   |   |   |   |   +---ro tx-bpdu-count?   uint64
  |   |   +---:(rstp)

```

```

| | | +--ro rstp
| | | | +--ro root-bridge
| | | | | +--ro priority?      uint32
| | | | | +--ro bridge-id?   bridge-id-type
| | | | | +--ro hello-time?   uint32
| | | | | +--ro max-age?      uint32
| | | | | +--ro forward-delay? uint32
| | | | +--ro bridge
| | | | | +--ro priority?      uint32
| | | | | +--ro bridge-id?   bridge-id-type
| | | | | +--ro hello-time?   uint32
| | | | | +--ro max-age?      uint32
| | | | | +--ro forward-delay? uint32
| | | | +--ro transmit-hold-count? uint32
| | | | +--ro migrate-time?      uint32
| | | | +--ro port*
| | | | | +--ro interface-type? enumeration
| | | | | +--ro interface-name? union
| | | | | +--ro spanningtree-enabled? boolean
| | | | | +--ro if-index?      uint64
| | | | | +--ro interface-id?  uint64
| | | | | +--ro if-role?       stp-port-role
| | | | | +--ro if-state?     stp-port-state
| | | | | +--ro external-path-cost? uint32
| | | | | +--ro internal-path-cost? uint32
| | | | | +--ro configured-path-cost? uint32
| | | | | +--ro designated-port-id? uint64
| | | | | +--ro port-priority?   uint32
| | | | | +--ro designated-bridge-id? bridge-id-type
| | | | | +--ro port-hello-time? uint32
| | | | | +--ro forward-transitions-count? uint32
| | | | | +--ro received-stp-type? stp-type
| | | | | +--ro transmitted-stp-type? stp-type
| | | | | +--ro edge-port?      on-off-type
| | | | | +--ro auto-edge?     yes-no-type
| | | | | +--ro admin-edge?    yes-no-type
| | | | | +--ro edge-delay?    uint32
| | | | | +--ro configured-root-guard? on-off-type
| | | | | +--ro oper-root-guard? on-off-type
| | | | | +--ro boundary-port?  yes-no-type
| | | | | +--ro oper-bpdu-guard? on-off-type
| | | | | +--ro oper-bpdu-filter? on-off-type
| | | | | +--ro link-type?     stp-link-type
| | | | | +--ro rx-bpdu-count?  uint64
| | | | | +--ro tx-bpdu-count?  uint64
| | | +--:(mstp)
| | | | +--ro mstp
| | | | | +--ro root-bridge
| | | | | | +--ro priority?      uint32
| | | | | | +--ro bridge-id?   bridge-id-type
| | | | | | +--ro hello-time?   uint32
| | | | | | +--ro max-age?      uint32
| | | | | | +--ro forward-delay? uint32
| | | | | +--ro bridge
| | | | | | +--ro priority?      uint32
| | | | | | +--ro bridge-id?   bridge-id-type
| | | | | | +--ro hello-time?   uint32
| | | | | | +--ro max-age?      uint32
| | | | | | +--ro forward-delay? uint32
| | | | | +--ro transmit-hold-count? uint32
| | | | | +--ro migrate-time?      uint32
| | | | | +--ro port*
| | | | | | +--ro interface-type? enumeration
| | | | | | +--ro interface-name? union

```

```

| | | +--ro spanningtree-enabled? boolean
| | | +--ro if-index? uint64
| | | +--ro interface-id? uint64
| | | +--ro if-role? stp-port-role
| | | +--ro if-state? stp-port-state
| | | +--ro external-path-cost? uint32
| | | +--ro internal-path-cost? uint32
| | | +--ro configured-path-cost? uint32
| | | +--ro designated-port-id? uint64
| | | +--ro port-priority? uint32
| | | +--ro designated-bridge-id? bridge-id-type
| | | +--ro port-hello-time? uint32
| | | +--ro forward-transitions-count? uint32
| | | +--ro received-stp-type? stp-type
| | | +--ro transmitted-stp-type? stp-type
| | | +--ro edge-port? on-off-type
| | | +--ro auto-edge? yes-no-type
| | | +--ro admin-edge? yes-no-type
| | | +--ro edge-delay? uint32
| | | +--ro configured-root-guard? on-off-type
| | | +--ro oper-root-guard? on-off-type
| | | +--ro boundary-port? yes-no-type
| | | +--ro oper-bpdu-guard? on-off-type
| | | +--ro oper-bpdu-filter? on-off-type
| | | +--ro link-type? stp-link-type
| | | +--ro rx-bpdu-count? uint64
| | | +--ro tx-bpdu-count? uint64
| | +--:(pvstp)
| | | +--ro pvstp* [vlan-id]
| | | | +--ro vlan-id interface:vlan-type
| | | | +--ro root-bridge
| | | | | +--ro priority? uint32
| | | | | +--ro bridge-id? bridge-id-type
| | | | | +--ro hello-time? uint32
| | | | | +--ro max-age? uint32
| | | | | +--ro forward-delay? uint32
| | | | +--ro bridge
| | | | | +--ro priority? uint32
| | | | | +--ro bridge-id? bridge-id-type
| | | | | +--ro hello-time? uint32
| | | | | +--ro max-age? uint32
| | | | | +--ro forward-delay? uint32
| | | | +--ro transmit-hold-count? uint32
| | | | +--ro migrate-time? uint32
| | | +--ro port*
| | | | +--ro interface-type? enumeration
| | | | +--ro interface-name? union
| | | | +--ro spanningtree-enabled? boolean
| | | | +--ro if-index? uint64
| | | | +--ro interface-id? uint64
| | | | +--ro if-role? stp-port-role
| | | | +--ro if-state? stp-port-state
| | | | +--ro external-path-cost? uint32
| | | | +--ro internal-path-cost? uint32
| | | | +--ro configured-path-cost? uint32
| | | | +--ro designated-port-id? uint64
| | | | +--ro port-priority? uint32
| | | | +--ro designated-bridge-id? bridge-id-type
| | | | +--ro port-hello-time? uint32
| | | | +--ro forward-transitions-count? uint32
| | | | +--ro received-stp-type? stp-type
| | | | +--ro transmitted-stp-type? stp-type
| | | | +--ro edge-port? on-off-type
| | | | +--ro auto-edge? yes-no-type

```

```

|         |         |         +---ro admin-edge?           yes-no-type
|         |         |         +---ro edge-delay?           uint32
|         |         |         +---ro configured-root-guard? on-off-type
|         |         |         +---ro oper-root-guard?       on-off-type
|         |         |         +---ro boundary-port?         yes-no-type
|         |         |         +---ro oper-bpdu-guard?       on-off-type
|         |         |         +---ro oper-bpdu-filter?      on-off-type
|         |         |         +---ro link-type?             stp-link-type
|         |         |         +---ro rx-bpdu-count?         uint64
|         |         |         +---ro tx-bpdu-count?         uint64
|         |         +---:(rpvstp)
|         |         +---ro rpvstp* [vlan-id]
|         |         |         +---ro vlan-id                 interface:vlan-type
|         |         |         +---ro root-bridge
|         |         |         |         +---ro priority?      uint32
|         |         |         |         +---ro bridge-id?     bridge-id-type
|         |         |         |         +---ro hello-time?    uint32
|         |         |         |         +---ro max-age?       uint32
|         |         |         |         +---ro forward-delay? uint32
|         |         |         +---ro bridge
|         |         |         |         +---ro priority?      uint32
|         |         |         |         +---ro bridge-id?     bridge-id-type
|         |         |         |         +---ro hello-time?    uint32
|         |         |         |         +---ro max-age?       uint32
|         |         |         |         +---ro forward-delay? uint32
|         |         |         +---ro transmit-hold-count?    uint32
|         |         |         +---ro migrate-time?           uint32
|         |         |         +---ro port*
|         |         |         |         +---ro interface-type? enumeration
|         |         |         |         +---ro interface-name? union
|         |         |         |         +---ro spanningtree-enabled? boolean
|         |         |         |         +---ro if-index?      uint64
|         |         |         |         +---ro interface-id?  uint64
|         |         |         |         +---ro if-role?       stp-port-role
|         |         |         |         +---ro if-state?      stp-port-state
|         |         |         |         +---ro external-path-cost? uint32
|         |         |         |         +---ro internal-path-cost? uint32
|         |         |         |         +---ro configured-path-cost? uint32
|         |         |         |         +---ro designated-port-id? uint64
|         |         |         |         +---ro port-priority?  uint32
|         |         |         |         +---ro designated-bridge-id? bridge-id-type
|         |         |         |         +---ro port-hello-time? uint32
|         |         |         |         +---ro forward-transitions-count? uint32
|         |         |         |         +---ro received-stp-type? stp-type
|         |         |         |         +---ro transmitted-stp-type? stp-type
|         |         |         |         +---ro edge-port?     on-off-type
|         |         |         |         +---ro auto-edge?     yes-no-type
|         |         |         |         +---ro admin-edge?    yes-no-type
|         |         |         |         +---ro edge-delay?    uint32
|         |         |         |         +---ro configured-root-guard? on-off-type
|         |         |         |         +---ro oper-root-guard? on-off-type
|         |         |         |         +---ro boundary-port?  yes-no-type
|         |         |         |         +---ro oper-bpdu-guard? on-off-type
|         |         |         |         +---ro oper-bpdu-filter? on-off-type
|         |         |         |         +---ro link-type?     stp-link-type
|         |         |         |         +---ro rx-bpdu-count?  uint64
|         |         |         |         +---ro tx-bpdu-count?  uint64
|         |         +---ro has-more?      boolean
|         |         +---ro last-instance
|         |         |         +---ro instance-id?  uint32
|         +---x get-stp-mst-detail
|         +---w input
|         |         +---w (request-type)?
|         |         +---:(getnext-request)

```

```

|         +---w last-rcvd-instance
|         +---w instance-id?   uint32
+--ro output
|   +--ro cist
|   |   +--ro cist-root-id?      bridge-id-type
|   |   +--ro cist-bridge-id?    bridge-id-type
|   |   +--ro cist-reg-root-id?  bridge-id-type
|   |   +--ro root-forward-delay? uint32
|   |   +--ro hello-time?        uint32
|   |   +--ro max-age?           uint32
|   |   +--ro max-hops?          uint32
|   |   +--ro migrate-time?      uint32
|   |   +--ro vlans
|   |   |   +--ro vlan-id*      interface:vlan-type
|   |   +--ro port*
|   |   |   +--ro interface-type?      enumeration
|   |   |   +--ro interface-name?      union
|   |   |   +--ro spanningtree-enabled? boolean
|   |   |   +--ro if-index?            uint64
|   |   |   +--ro interface-id?        uint64
|   |   |   +--ro if-role?             stp-port-role
|   |   |   +--ro if-state?            stp-port-state
|   |   |   +--ro external-path-cost?  uint32
|   |   |   +--ro internal-path-cost?  uint32
|   |   |   +--ro configured-path-cost? uint32
|   |   |   +--ro designated-port-id?  uint64
|   |   |   +--ro port-priority?       uint32
|   |   |   +--ro designated-bridge-id? bridge-id-type
|   |   |   +--ro port-hello-time?     uint32
|   |   |   +--ro forward-transitions-count? uint32
|   |   |   +--ro received-stp-type?   stp-type
|   |   |   +--ro transmitted-stp-type? stp-type
|   |   |   +--ro edge-port?           on-off-type
|   |   |   +--ro auto-edge?           yes-no-type
|   |   |   +--ro admin-edge?         yes-no-type
|   |   |   +--ro edge-delay?          uint32
|   |   |   +--ro configured-root-guard? on-off-type
|   |   |   +--ro oper-root-guard?     on-off-type
|   |   |   +--ro boundary-port?       yes-no-type
|   |   |   +--ro oper-bpdu-guard?     on-off-type
|   |   |   +--ro oper-bpdu-filter?    on-off-type
|   |   |   +--ro link-type?           stp-link-type
|   |   |   +--ro rx-bpdu-count?       uint64
|   |   |   +--ro tx-bpdu-count?       uint64
|   +--ro msti* [instance-id]
|   |   +--ro instance-id          uint32
|   |   +--ro msti-root-id?        bridge-id-type
|   |   +--ro msti-bridge-id?      bridge-id-type
|   |   +--ro msti-bridge-priority? uint32
|   |   +--ro vlans
|   |   |   +--ro vlan-id*      interface:vlan-type
|   |   +--ro port*
|   |   |   +--ro interface-type?      enumeration
|   |   |   +--ro interface-name?      union
|   |   |   +--ro spanningtree-enabled? boolean
|   |   |   +--ro if-index?            uint64
|   |   |   +--ro interface-id?        uint64
|   |   |   +--ro if-role?             stp-port-role
|   |   |   +--ro if-state?            stp-port-state
|   |   |   +--ro external-path-cost?  uint32
|   |   |   +--ro internal-path-cost?  uint32
|   |   |   +--ro configured-path-cost? uint32
|   |   |   +--ro designated-port-id?  uint64
|   |   |   +--ro port-priority?       uint32

```

```

|      +--ro designated-bridge-id?      bridge-id-type
|      +--ro port-hello-time?           uint32
|      +--ro forward-transitions-count? uint32
|      +--ro received-stp-type?         stp-type
|      +--ro transmitted-stp-type?      stp-type
|      +--ro edge-port?                 on-off-type
|      +--ro auto-edge?                 yes-no-type
|      +--ro admin-edge?               yes-no-type
|      +--ro edge-delay?               uint32
|      +--ro configured-root-guard?    on-off-type
|      +--ro oper-root-guard?          on-off-type
|      +--ro boundary-port?            yes-no-type
|      +--ro oper-bpdu-guard?          on-off-type
|      +--ro oper-bpdu-filter?         on-off-type
|      +--ro link-type?                stp-link-type
|      +--ro rx-bpdu-count?            uint64
|      +--ro tx-bpdu-count?            uint64
+--ro has-more?          boolean
+--ro last-instance
    +--ro instance-id?   uint32

```

extreme-config-mgmt

Top-level container

```
+--rw config-drift-track
  +---x off
    +--ro output
      +--ro result?  actionResult
```

extreme-gNMI

Top-level container

```
+--rw gNMI
|   +--rw server
|       +--rw secure-port?   gnmi-secure-port
|       +--rw activate?      empty
+--rw operational-state
    +--rw syncup
        +--rw enable
            +--rw channel
                +--rw all?      empty
                +--rw interface? empty
                +--rw platform? empty
                +--rw bgp?      empty
```

extreme-remote-attestation

Top-level container

```
+--rw measured-boot
|   +---x enable
|   +---x disable
+--rw remote-attestation!
    +--rw registrar-server* [registrar-ip use-vrf]
    |   +--rw registrar-ip      inet:ip-address
    |   +--rw use-vrf           common-def:use-vrf
    |   +--rw registrar-port?   uint16
    +--rw agent-port?           uint16
    +--rw agent-enable?         empty
    +--rw agent-uuid?           uuid-type
```

extreme-ssl

Top-level container

```

+--rw pki
  +--rw oosp
    | +--rw use-vrf?          use-vrf-option
    | +--rw disable?         empty
    | +--rw source-interface
    |   +--rw source-intf-type?  source-interface-type
    |   +--rw ethernet
    |     | +--rw source-intf-name?  ethernet-iftyp
    |     +--rw loopback
    |       | +--rw source-intf-name?  loopback-iftyp
    |       +--rw ve
    |         | +--rw source-intf-name?  ve-iftyp
    |         +--rw management
    |           +--rw source-intf-name?  mm-iftyp
  +--rw authorization
    +--rw username
      +--rw (username-options)?
      +--:(certificate-attribute-case)
        +--rw attribute-options
          +--rw attribute?  attribute-option
          +--rw prefix?     string
          +--rw match?      string
          +--rw suffix?     string

```

extreme-tpvm-config

Provides the Third Party Virtual Machine (TPVM) administration commands.

Top-level container

```

module: extreme-tpvm-config
  +--rw tpvm-cfg
    +--rw tpvm* [tpvm-instance-id]
      +--rw tpvm-instance-id    string
      +--rw password?           string
      +--rw auto-boot?           empty
      +--rw ntp* [server]
        | +--rw server          union
      +--rw disk* [disk-name]
        | +--rw disk-name       union
        | +--rw disk-size       tpvm:diskSize
      +--rw ldap
        | +--rw ldap-server
        | | +--rw host?          inet:host
        | | +--rw ldap-server-options
        | |   +--rw port?        uint16
        | |   +--rw secure?      empty
        | |   +--rw basedn?      string
        | |   +--rw rootdn?      string
        | |   +--rw rootdnpw?    string
        | +--rw ca-cert
        |   +--rw import
        |     +--rw protocol?    enumeration
        |     +--rw user?        string
        |     +--rw ldap-password? string
        |     +--rw ldap-host?   inet:host
        |     +--rw directory?   string
        |     +--rw filename?    string
      +--rw dns
        | +--rw dns-params
        |   +--rw primary-server? union
        |   +--rw secondary-server? union
        |   +--rw domain?         string
      +--rw system-attributes
        | +--rw hostname?        string
        | +--rw timezone?        common-def:timezone
      +--rw trusted-peer
        | +--rw pwless
        | | +--rw (trusted-ip-config-choices)?
        | | | +--rw (peer-ip)
        | | | | +--rw peer-ip?          inet:ipv4-address
        | | | | +--rw (peer-ipv6)
        | | | |   +--rw peer-ipv6?      inet:ipv6-address
        | | | +--rw peer-password?      string
        | | +--rw peer-sudoer?          string
      +--rw interface
        | +--rw management
        | | +--rw ip
        | | | +--rw (ip-config-choices)?
        | | | | +--rw (ip-case)
        | | | | | +--rw ip-params
        | | | | |   +--rw ipaddr?      common-def:ipv4-prefix-mask
        | | | | |   +--rw gw?          inet:ipv4-address
        | | | | +--rw (dhcp-case)
        | | | |   +--rw dhcp?          empty
        | | +--rw ipv6
  
```

```

| |      +--rw (ipv6-config-choices)?
| |      +---:(ipv6-case)
| |      | +--rw ipv6-params
| |      | | +--rw ipv6addr?    common-def:ipv6-address-prefix
| |      | | +--rw gwv6?       inet:ipv6-address
| |      +---:(dhcpv6-case)
| |      | +--rw dhcpv6?       empty
| +--rw insight
|   +--rw ip
|     +--rw (insight-ip-config-choices)?
|     +---:(ip-case)
|     | +--rw ip-params
|     | | +--rw insight-ipaddr?  common-def:ipv4-prefix-mask
|     | | +--rw insight-gw?     inet:ipv4-address
|     +---:(dhcp-case)
|     | +--rw insight-dhcp?     empty
+--rw deploy?                  empty
+--rw undeploy-force?          empty

```