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Network OS YANG

Reference Manual

Supporting Network OS 7.0.0

BROCADE 

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Document conventions

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

Text formatting conventions

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

Format	Description
bold text	Identifies command names
	Identifies keywords and operands
	Identifies the names of user-manipulated GUI elements
	Identifies text to enter at the GUI
<i>italic text</i>	Identifies emphasis
	Identifies variables
	Identifies document titles
<code>Courier font</code>	Identifies CLI output
	Identifies command syntax examples

Command syntax conventions

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

Convention	Description
bold text	Identifies command names, keywords, and command options.
<i>italic text</i>	Identifies a variable.
value	In Fibre Channel products, a fixed value provided as input to a command option is printed in plain text, for example, --show WWN.

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

Notes, cautions, and warnings

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

NOTE

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

ATTENTION

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



CAUTION

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



DANGER

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

Brocade resources

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

You can download additional publications supporting your product at www.brocade.com. Select the Brocade Products tab to locate your product, then click the Brocade product name or image to open the individual product page. The user manuals are available in the resources module at the bottom of the page under the Documentation category.

To get up-to-the-minute information on Brocade products and resources, go to [MyBrocade](#). You can register at no cost to obtain a user ID and password.

Release notes are available on [MyBrocade](#) under Product Downloads.

White papers, online demonstrations, and data sheets are available through the [Brocade website](#).

Contacting Brocade Technical Support

As a Brocade customer, you can contact Brocade Technical Support 24x7 online, by telephone, or by e-mail. Brocade OEM customers contact their OEM/Solutions provider.

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For product support information and the latest information on contacting the Technical Assistance Center, go to <http://www.brocade.com/services-support/index.html>.

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

Online	Telephone	E-mail
Preferred method of contact for non-urgent issues:	Required for Sev 1-Critical and Sev 2-High issues:	support@brocade.com
• My Cases through MyBrocade • Software downloads and licensing tools • Knowledge Base	• Continental US: 1-800-752-8061 • Europe, Middle East, Africa, and Asia Pacific: +800-AT FIBREE (+800 28 34 27 33) • For areas unable to access toll free number: +1-408-333-6061 • Toll-free numbers are available in many countries.	Please include: • Problem summary • Serial number • Installation details • Environment description

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If you have purchased Brocade product support from a Brocade OEM/Solution Provider, contact your OEM/Solution Provider for all of your product support needs.

- OEM/Solution Providers are trained and certified by Brocade to support Brocade® products.
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- Brocade Supplemental Support augments your existing OEM support contract, providing direct access to Brocade expertise. For more information, contact Brocade or your OEM.
- For questions regarding service levels and response times, contact your OEM/Solution Provider.

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Quality is our first concern at Brocade and we have made every effort to ensure the accuracy and completeness of this document. However, if you find an error or an omission, or you think that a topic needs further development, we want to hear from you. You can provide feedback in two ways:

- Through the online feedback form in the HTML documents posted on www.brocade.com.
- By sending your feedback to documentation@brocade.com.

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

About This Document

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Supported hardware and software

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

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

The following hardware platforms are supported by this release of Network OS:

- Brocade VDX 2741
- Brocade VDX 2746
- Brocade VDX 6740
 - Brocade VDX 6740-48
 - Brocade VDX 6740-64
- Brocade VDX 6740T
 - Brocade VDX 6740T-48
 - Brocade VDX 6740T-64
 - Brocade VDX 6740T-1G
- Brocade VDX 6940-36Q
- Brocade VDX 6940-144S
- Brocade VDX 8770
 - Brocade VDX 8770-4
 - Brocade VDX 8770-8

To obtain information about a Network OS version other than this release, refer to the documentation specific to that version.

What's new in this document

This document is released in conjunction with Network OS 7.0.0.

New Modules

- brocade-notification-stream

Modified Modules

- brocade-aaa

- Key of list *host* was changed from *hostname* to *hostname use-vrf*.
- Leaf *use-vrf* was added under list *host* within container *radius-server*.
- Leaf *use-vrf* was added under list *host* within container *tacacs-server*.
- Leaf *use-vrf* was added under list *host* within container *ldap-server*.
- brocade-anycast-gateway
 - Type of leaf *rb-add* within *attach* (container) -> *rbridge-id* (container) was changed to *comn:rbridge-id-range*.
 - Type of leaf *rb-remove* within *attach* (container) -> *rbridge-id* (container) was changed to *comn:rbridge-id-range*.
- brocade-arp
 - Leaf *Port-channel* was added within case *Port-channel* under choice *interfacetype*.
 - Leaf *suppress-arp-enable* was added within container *suppress-arp* in augment to /
interface:interface-vlan/interface:interface/interface:vlan.
 - Case *Port-channel* containing leaf *Port-channel* was added under list *arp-entry* in augment to /
rbridge:rbridge-id/vrf:vrf/vrf:address-family/vrf:ip/vrf:unicast.
 - Leaf *conversational* was added within *host-table* (container) -> *aging-mode* (container) in
augment to /rbridge:rbridge-id.
 - Leaf *onversational-timeout* was added within *host-table* (container) -> *aging-time* (container) in
augment to /rbridge:rbridge-id.
- brocade-beacon
 - Leaf *fibrechanel* was added under case *fibrechanel* within container *enable*.
 - Leaf *fibrechanel* was added under case *fibrechanel* within container *disable*.
- brocade-bfd
 - Container *bfd-session-setup-delay* containing leaf *delay* was added in augment to /
rbridge:rbridge-id.
- brocade-bgp
 - Container *esi* was added in augment to /interface:interface/interface:port-channel.
 - Container *auto* containing leaf *auto-value-assignee* and leaf *value* was added within container
esi.
 - Leaf *auto-shutdown-new-neighbors* was added within container *bfd*.
 - Case *ca-port-channel* containing leaf *port-channel* was added within container *update-source*.
 - Leaves *add-path-both*, *send*, and *receive* were added under container *additional-paths* within
grouping *capability-additional-paths*.
 - Cases *ca-best* and *ca-all* were added within *additional-paths* (container) -> *advertise* (container)
under grouping *advertise-additional-paths*.
 - List *evpn-instance* was added in augment to /rbridge:rbridge-id.
 - Type *esi-auto-value* was added to leaf *auto* under container *esi* in augment to /
interface:interface/interface:port-channel
- brocade-dhcp
 - Support for interface port-channel.
- brocade-dhcpv6
 - Support for interface port-channel.
- brocade-event-handler
 - Leaf *description* was added within list *event-handler-list* within grouping *event-handler-group*
under container *event-handler*.
 - Leaf *action-timeout* was added under list *name* within container *activate*.
 - Removed actions from augment /common-def:clear
 - Action *abort* containing leaf *action* within input was added within container event-handler.
- brocade-fcoe

- Leaf *fabric-dport-mode* was added under container *fabric-dport* in augment to the following:
 - /interface:interface/interface:tengigabitethernet.
 - /interface:interface/interface:fortygigabitethernet.
 - /interface:interface/interface:hundredgigabitethernet.
- Leaf *ns-ip-registration* was added within container *fcoeport* in augment to the following:
 - /interface:interface/interface:tengigabitethernet.
 - /interface:interface/interface:fortygigabitethernet.
 - /interface:interface/interface:hundredgigabitethernet.
 - /interface:interface/interface:port-channel.
- brocade-firmware
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *action ftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *action scp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *action sftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *default-config* (container) -> *action ftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *default-config* (container) -> *action scp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *default-config* (container) -> *action sftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *action ftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *action scp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *action sftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *default-config* (container) -> *action ftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *default-config* (container) -> *action scp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *default-config* (container) -> *action sftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *install* (container) -> *action ftp* -> *input*.
 - Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *install* (container) -> *action scp* -> *input*.
- brocade-ha
 - RPC *redundancy* containing leaf *rbridge-id* under *input* and leaves *rd_status* and *rd_mesg* under *output* were added.
- brocade-hardware
 - Action *port-group* was added in augment to /common-def:show -> *hardware* (container).
 - Leaf *rbridge-id* was added within action *port-group*.
 - Leaves *performance*, *portgroup-speed*, *support_performance*, and *support_multispeed* were added under *hardware* (container) -> *port-group* (list).
- brocade-http-config

- Container *http-vrf-cont* was added under *http-group* (grouping) -> *http* (container) -> *server* (container).
- Leaves *use-vrf-name* and *http-vrf-shutdown* were added within container *http-vrf-cont*.
- Container *http-vrf-cont* was added under *http-group* (grouping) -> *http* (container) -> *server* (container) in augment to */rbridge:rbridge-id*.
- Leaves *use-vrf-name* and *http-vrf-shutdown* were added within container *http-vrf-cont* in augment to */rbridge:rbridge-id*.
- brocade-icmp
 - Support for interface port-channel.
- brocade-igmp
 - Leaves *last-member-query-count*, *startup-query-count*, *startup-query-interval*, and *robustness-variable* were added within container *igmp* under grouping *igmp-phy-intf-cfg-cmd* in augment to the following:
 - */interface:interface/interface:gigabitethernet/interface:ip*.
 - */interface:interface/interface:tengigabitethernet/interface:ip*.
 - */interface:interface/interface:fortygigabitethernet/interface:ip*.
 - */interface:interface/interface:hundredgigabitethernet/interface:ip*.
 - Support for interface port-channel.
- brocade-igmp-snooping
 - Container *pim* was added under container *igmp-snooping*.
 - Leaves *last-member-query-count*, *startup-query-count*, *startup-query-interval*, and *robustness-variable* were added within container *igmp* in augment to */interface:interface-vlan/interface:interface/interface:vlan/interface:ip*.
- brocade-interface
 - Container *tunable-optics* containing leaf *channel* within container *sfpp* was added in augment to the following:
 - */interface/gigabitethernet*.
 - */interface/tengigabitethernet*.
 - */interface/fortygigabitethernet*.
 - */interface/hundredgigabitethernet*.
 - */rbridge:rbridge-id/interface/ve*.
 - Container *fec* containing leaf *fec-enable* was added in augment to */interface/hundredgigabitethernet*.
 - Container *vrf* containing leaf *forwarding* was added within list *port-channel*.
 - Leaf *link-snmp-trap-status* was added within *snmp* (container) -> *trap* (container) in augment to */interface/port-channel*.
 - Added section NETCONF notifications.
- brocade-interface-ext
 - Container *qsfp28* was added.
- brocade-ip-config
 - Container *arp* containing leaf *learn-any* was added under container *ip-config* in augment to the following:
 - */interface:interface/interface:gigabitethernet/interface:ip*.
 - */interface:interface/interface:tengigabitethernet/interface:ip*.
 - */interface:interface/interface:fortygigabitethernet/interface:ip*.
 - */interface:interface/interface:hundredgigabitethernet/interface:ip*.

- /interface:interface/interface:port-channel/interface:ip.
- /rbridge:rbridge-id/interface:interface/interface:ve.
- Container *unnumbered* containing leaves *ip-donor-interface-type* and *ip-donor-interface-name* were added in augment to the following:
 - /interface:interface/interface:gigabitethernet/interface:ip
 - /interface:interface/interface:tengigabitethernet/interface:ip
 - /interface:interface/interface:fortygigabitethernet/interface:ip
 - /interface:interface/interface:hundredgigabitethernet/interface:ip
 - /interface:interface/interface:port-channel/interface:ip
- brocade-ip-policy
 - Type of leaf *ext-community-expr* under grouping *extcommunity-list-rules* was changed to *extcommunity-list-expr-t* in augment to /common-def:ip.
 - Support for interface port-channel.
 - Type of leaf-list *port-channel-rmm* under container *interface* was changed from *interface:channel-group-type* to *interface:portchannel-type*.
- brocade-ipv6-config
 - Support for interface port-channel.
- brocade-ipv6-nd-ra
 - Support for interface port-channel.
 - Leaf *suppress-nd-enable* was added under container *suppress-nd* in augment to /interface:interface-vlan/interface:interface/interface:vlan.
- brocade-lacp
 - Container *vlag-commit-mode* containing leaf *disable* was added with brocade-lacp module.
- brocade-license
 - Leaf *license-vendor-info* was added under list *license-details* within *output* under container *enh-show-license-keys*.
- brocade-lldp-ext
 - Leaves *remote-management-address*, *remote-unnum-interface-mac*, and *remote-unnum-ip-address* were added under list *lldp-neighbor-detail* within *output*.
- brocade-maps
 - Leaves *logicalgroupname*, *elementtype*, and *members* were added within list *logicalgroup* under container *maps* in augment to /rbridge:rbridge-id.
 - Leaves *rulename*, *targetgroup*, *monitor*, *timebase*, *op*, and *threshold* were added within list *rule* under container *maps* in augment to /rbridge:rbridge-id.
 - Leaves *polycyname* and list *ruleaction* containing leaves *policyrule* and *policyaction* were added within list *policy* under container *maps* in augment to /rbridge:rbridge-id.
- brocade-maps-ext
 - RPC *maps-get-rules* was changed to RPC *maps-get-default-rules*.
- brocade-mld-snooping
 - Leaf *vlan-pimv6-enable* was added under container *snooping* within container *mldPIM* in augment to /interface:interface-vlan/interface:interface/interface:vlan/interface:ipv6.
 - Container *pim* was added under container *mld-snooping*.
 - Container *snooping* containing leaf *pimv6-enable* was added under container *pim*.
- brocade-ntp
 - Key of list *server* under container *ntp* changed from *ip* to *ip use-vrf*.
 - Leaf *use-vrf* was added under list *server* within container *ntp*.
- brocade-openflow

- Leaf *active-controller-vrf* was added under container *connection-address*.
- Leaf *passive-controller-vrf* was added within *openflow* (container) -> *logical-instance* (list) -> *passive* (container) -> *no-ssl* (container) in augment to */rbridge:rbridge-id*.
- *brocade-ospf*
 - Support for interface port-channel.
- *brocade-ospfv3*
 - Support for interface port-channel.
- *brocade-pim*
 - Support for interface port-channel.
 - Leaves *reset-tracking-bit*, *bsr-msg-interval* and *rp-adv-interval* were added within container *pim*.
- *brocade-ras*
 - Type of leaf *group* changed from *string* to *group-type*.
 - Leaf *use-vrf* was added within the following:
 - *copy* (container) -> *support* (container) -> *ftp* -> *input*.
 - *copy* (container) -> *support* (container) -> *scp* -> *input*.
- *brocade-ras-ext*
 - Leaf *all-partitions* was added under *input* under *action cpu* within container *process*.
- *brocade-rbridge*
 - Leaf *maintenance* was added under container *system-mode* within list *rbridge-id*.
- *brocade-sec-services*
 - Leaves *use-vrf-name* and *telnet-vrf-shutdown* were added within *telnet* (container) -> *server* (container) -> *telnet-vrf-cont* (container) -> *use-vrf* (list).
 - Leaves *use-vrf-name* and *ssh-vrf-shutdown* were added within *ssh* (container) -> *server* (container) -> *ssh-vrf-cont* (container) -> *use-vrf* (list).
 - Leaves *use-vrf-name* and *telnet-vrf-shutdown* were added within *telnet* (container) -> *server* (container) -> *telnet-vrf-cont* (container) in augment to */rbridge:rbridge-id*.
 - Leaves *use-vrf-name* and *ssh-vrf-shutdown* were added within *ssh* (container) -> *server* (container) -> *ssh-vrf-cont* (container) in augment to */rbridge:rbridge-id*.
- *brocade-snmp*
 - Leaf *use-vrf* was removed from list *v3host* in augment to */rbridge:rbridge-id*.
 - Leaves *community* and *context* were added within *snmp-server* (container) -> *mib* (container).
 - Leaf *loopback* was added within case *loopback* under choice *source-interface-type* within *snmp-server* (container) -> *v3host* (container) and *snmp-server* (container) -> *host* (container).
 - Leaf *ve* was added within case *ve* under choice *source-interface-type* within *snmp-server* (container) -> *v3host* (container) and *snmp-server* (container) -> *host* (container).
- *brocade-tunnels*
 - Leaf *protocol* was added within *overlay-gateway* (list) -> *site* (container) -> *mac-learning* (container) .
 - Container *ovsdb-server* containing leaves *name*, *port*, and *activate* was added.
- *brocade-vcs*
 - Added NETCONF notifications section.
- *brocade-vrf*
 - Leaf *vni* was added under list *vrf*.
 - Leaves *action*, *target-community*, and *evpn* were added under *address-family* (container) -> *ip* (container) -> *unicast* (container) -> *route-target* (list).
 - Leaves *action*, *target-community*, and *evpn* were added under *address-family* (container) -> *ipv6* (container) -> *unicast* (container) -> *route-target* (list).
- *brocade-vrrp*

- Leaf *use-v2-checksum* was added under list *vrrp* in augment to */interface:interface/interface:port-channel*.
- Leaves *ip-anycast-gateway-mac* and *ip-anycast-default-mac* were added within *static-ag-ip-config* (container) -> *anycast-gateway-mac* (container) in augment to */rbridge:rbridge-id/rbridge:ip*.
- Leaves *ipv6-anycast-gateway-mac* and *ipv6-anycast-default-mac* were added within *static-ag-ipv6-config* (container) -> *anycast-gateway-mac* (container) in augment to */rbridge:rbridge-id/rbridge:ipv6*.
- Leaf *ip-address* was added within list *ip-anycast-address* in augment to */rbridge:rbridge-id/interface:interface/interface:ve/ip-config:ip*.
- Leaf *ipv6-address* was added within list *ipv6-anycast-address* in augment to */rbridge:rbridge-id/interface:interface/interface:ve/ipv6-config:ipv6*.
- Type of leaf *network-address* under list *network* within container *track* changed from *comn:ipv4-prefix-mask* to *union*.
- Leaf *early-startup* was added with container *vrrp* in augment to */rbridge:rbridge-id*.
- *brocade-vrrpv3*
 - Support for interface *hundredgigabitethernet*.
 - Leaf *use-v2-checksum* was added under list *vrrpv3* in augment to */interface:interface/interface:port-channel/interface:ipv6*.
- *brocade-vswitch*
 - Leaf *vrf-name* was added within container *credentials*.
 - Type of leaf *mac* under choice *op* was changed to *vcenter-mac-address* under *input* within container *vmpolicy*.

What's new in this document

Using YANG

- [YANG overview..... 19](#)
- [Using the Network OS YANG Reference Manual..... 19](#)

YANG overview

YANG is a data modeling language. It is used to model configuration and state data for manipulation by the Network Configuration Protocol (NETCONF) using NETCONF 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 *Network OS YANG Reference Manual*

This manual provides a reference for YANG modules supported by Network OS 7.0.0.

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 need to 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

Field definitions and possible values follow:

status	Status of the node can be one of the following values: + Current - x Deprecated - o Obsolete
flags	The 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)
name	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
options	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

brocade-aaa

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

This module supports authentication performed by a local, RADIUS, TACACS, or LDAP server.

Top-level container

```

module: brocade-aaa
+--rw aaa-config /*drop-node-name*/
|   +--rw aaa
|   |   +--rw authentication
|   |   |   +--rw login
|   |   |   |   +--rw first?    enumeration /*drop-node-name*/
|   |   |   |   +--rw second?   enumeration /*drop-node-name*/
|   |   +--rw accounting
|   |   |   +--rw exec
|   |   |   |   +--rw defaultacc /*alt-name:default*/
|   |   |   |   |   +--rw start-stop
|   |   |   |   |   |   +--rw server-type?    acc_srv_type /*drop-node-name*/
|   |   +--rw commands
|   |   |   +--rw defaultacc /*alt-name:default*/
|   |   |   |   +--rw start-stop
|   |   |   |   |   +--rw server-type?    acc_srv_type /*drop-node-name*/
+--rw username [name]
|   +--rw name                string
|   +--rw user-password       user-passwd /*alt-name:password*/
|   +--rw encryption-level?   enumeration
|   +--rw role                 string
|   +--rw desc?                string
|   +--rw enable?              username-enable
|   +--rw expire?              date
+--rw service
|   +--rw password-encryption? empty
+--rw user /*drop-node-name*/
+--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:vrf-name
|   |   +--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 tacacs-server
|   +--rw host [hostname use-vrf]
|   |   +--rw hostname    string
|   |   |   +--rw use-vrf     common-def:vrf-name
|   |   +--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? srcip_type /*alt-name:source-ip*/
+--rw ldap-server
|   +--rw host [hostname use-vrf]
|   |   +--rw hostname    string
|   |   +--rw use-vrf     common-def:vrf-name
|   |   +--rw port?       ldap-auth-port
|   |   +--rw retries?     uint8
|   |   +--rw timeout?     uint8
|   |   +--rw basedn?      string
+--rw maprole
|   +--rw group [ad-group]
|   |   +--rw ad-group     string
|   |   +--rw switch-role  string /*alt-name:role*/

```

```

+--rw password-attributes
| +--rw min-length?          uint32
| +--rw max-retry?           uint32
| +--rw max-lockout-duration? uint32
| +--rw character-restriction
| | +--rw upper?            uint32
| | +--rw lower?           uint32
| | +--rw numeric?         uint32
| | +--rw special-char?    uint32
| +--rw admin-lockout-enable? empty /*alt-name:admin-lockout*/
+--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 /*drop-node-name*/
| | | +--:(interface-a)
| | | | +--rw interface-int /*drop-node-name*/
| | | | | +--rw interface-cont? /*alt-name:interface*/
| | | +--:(interface-b)
| | | | +--rw interface-fcoe /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw fcoe-cont? /*alt-name:fcoe*/
| | | +--:(interface-c)
| | | | +--rw interface-te /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw tengigabitethernet-cont? /*alt-name:tengigabitethernet*/
| | | +--:(interface-d)
| | | | +--rw interface-fcoe-leaf /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw fcoe-leaf? fcoe:interface-fcoe-type /*alt-name:fcoe */
| | | +--:(interface-e)
| | | | +--rw interface-te-leaf /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw tengigabitethernet-leaf? interface:interface-type /*alt-
name:tengigabitethernet*/
| | | +--:(interface-f)
| | | | +--rw interface-mgmt /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw management-cont? /*alt-name:management*/
| | | +--:(interface-g)
| | | | +--rw interface-ge /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw gigabitethernet-cont? /*alt-name:gigabitethernet*/
| | | +--:(interface-h)
| | | | +--rw interface-ge-leaf /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw gigabitethernet-leaf? interface:interface-type /*alt-
name:gigabitethernet*/
| | | +--:(interface-i)
| | | | +--rw interface-pc /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw port-channel-cont? /*alt-name:port-channel*/
| | | +--:(interface-j)
| | | | +--rw interface-pc-leaf /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw port-channel-leaf? interface:portchannel-type /*alt-
name:port-channel*/
| | | +--:(interface-k)
| | | | +--rw interface-vlan /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw vlan-cont? /*alt-name:vlan*/
| | | +--:(interface-l)
| | | | +--rw interface-vlan-leaf /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw vlan-leaf? interface:vlan-type /*alt-name:vlan*/
| | | +--:(interface-m)
| | | | +--rw interface-management-leaf /*drop-node-name*/
| | | | | +--rw interface
| | | | | +--rw management-leaf? interface:man-interface-type /*alt-
name:management*/

```

```

|         +---:(interface-n)
|         | +--rw interface-loopback /*drop-node-name*/
|         | +--rw interface
|         | +---rw loopback-cont? /*alt-name:loopback*/
|         +---:(interface-o)
|         | +--rw interface-loopback-leaf /*drop-node-name*/
|         | +--rw interface
|         | +---rw loopback-leaf? loopback-intf:intf-loopback-port-type /
*alt-name:loopback*/
|         +---:(interface-p)
|         | +--rw interface-ve /*drop-node-name*/
|         | +--rw interface
|         | +---rw ve-cont? /*alt-name:ve*/
|         +---:(interface-q)
|         | +--rw interface-ve-leaf /*drop-node-name*/
|         | +--rw interface
|         | +---rw ve-leaf? interface:ve-type /*alt-name:ve*/
|         +---:(interface-r)
|         | +--rw interface-fc /*drop-node-name*/
|         | +--rw interface
|         | +---rw fibrechannel-cont? /*alt-name:fibrechannel*/
|         +---:(interface-s)
|         | +--rw interface-fc-leaf /*drop-node-name*/
|         | +--rw interface
|         | +---rw fibrechannel-leaf? interface:interface-type /*alt-
name:fibrechannel*/
|         +---:(interface-t)
|         | +--rw interface-fe /*drop-node-name*/
|         | +--rw interface
|         | +---rw fortygigabitethernet-cont? /*alt-
name:fortygigabitethernet*/
|         +---:(interface-u)
|         | +--rw interface-fe-leaf /*drop-node-name*/
|         | +--rw interface
|         | +---rw fortygigabitethernet-leaf? interface:interface-type /
*alt-name:fortygigabitethernet*/
|         +---:(interface-v)
|         | +--rw interface-he /*drop-node-name*/
|         | +--rw interface
|         | +---rw hundredgigabitethernet-cont? /*alt-
name:hundredgigabitethernet*/
|         +---:(interface-w)
|         | +--rw interface-he-leaf /*drop-node-name*/
|         | +--rw interface
|         | +---rw hundredgigabitethernet-leaf? interface:interface-type /
*alt-name:hundredgigabitethernet*/
|         +---:(copy-a)
|         | +--rw copy-cp /*drop-node-name*/
|         | +---rw copy-cont? /*alt-name:copy*/
|         +---:(copy-b)
|         | +--rw copy-running /*drop-node-name*/
|         | +--rw copy
|         | +---rw running-config-cont? /*alt-name:running-config*/
|         +---:(copy-c)
|         | +--rw copy-support /*drop-node-name*/
|         | +--rw copy
|         | +---rw support-cp? /*alt-name:support*/
|         +---:(clear-a)
|         | +--rw clear-cl /*drop-node-name*/
|         | +---rw clear-cont? /*alt-name:clear*/
|         +---:(clear-b)
|         | +--rw clear-logging /*drop-node-name*/
|         | +--rw clear
|         | +---rw logging-cont? /*alt-name:logging*/
|         +---:(clear-c)
|         | +--rw clear-support /*drop-node-name*/
|         | +--rw clear
|         | +---rw support-cl? /*alt-name:support*/
|         +---:(protocol-a)
|         | +--rw protocol-pr /*drop-node-name*/
|         | +---rw protocol-cont? /*alt-name:protocol*/
|         +---:(protocol-b)
|         | +--rw protocol-spanning /*drop-node-name*/
|         | +--rw protocol
|         | +---rw spanning-tree-cont? /*alt-name:spanning-tree*/
|         +---:(protocol-c)
|         | +--rw protocol-lldp /*drop-node-name*/
|         | +--rw protocol

```

```

|                                     +--rw lldp-cont? /*alt-name:lldp*/
+--rw root-sa /*drop-node-name*/
|   +--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

```

External augmentations

```

module: brocade-common-def
+--rw clear
|   +--rw brcd-aaa:login /*drop-node-name*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw brcd-aaa:root
|   +--rw brcd-aaa:enable?    empty
|   +--rw brcd-aaa:access?    root_access_type

```

Actions

Unlock a user account:

```

module: brocade-aaa
+--rw user
|   +--ro unlock
|   |   +--ro input
|   |   |   +--ro username    string
|   |   |   +--ro rbridge-id? common-def:rbridge-id-all-type
|   |   +--ro output
|   |   +--ro Result?    string

module: brocade-common-def
+--rw clear
|   +--rw brcd-aaa:login
|   |   +--ro brcd-aaa:sessions
|   |   +--ro brcd-aaa:input
|   |   |   +--ro brcd-aaa:rbridge-id?    common-def:rbridge-id-all-type
|   |   +--ro brcd-aaa:output

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Augment to brocade-rbridge with container <i>root</i>, leaves <i>enable</i> and <i>access</i> was added. • Leaf <i>max-lockout-duration</i> was added within container <i>password-attributes</i>. • Type of leaf <i>fcoe-leaf</i> under container <i>interface-fcoe-leaf</i> was changed from <i>string</i> to <i>interface:fcoe-interface-range</i>. • Type of leaf <i>tengigabitethernet-leaf</i> under container <i>interface-te-leaf</i> was changed from <i>string</i> to <i>interface:interface-type</i>. • Type of leaf <i>gigabitethernet-leaf</i> under container <i>interface-ge-leaf</i> was changed from <i>string</i> to <i>interface-type</i>. • Type of leaf <i>port-channel-leaf</i> under container <i>interface-pc-leaf</i> was changed from <i>string</i> to <i>portchannel-type</i>. • Container <i>command</i> under the list <i>rule</i> was modified to add cases <i>interface-l</i> to <i>interface-w</i>.
6.0.1a	This YANG module was modified to include the following: Type of leaf <i>fcoe-leaf</i> under container <i>interface</i> within container <i>interface-fcoe-leaf</i> was changed from <i>interface:fcoe-interface-range</i> to <i>fcoe:interface-fcoe-type</i>
7.0.0	This YANG module was modified to include the following: • Key of list <i>host</i> was changed from <i>hostname</i> to <i>hostname use-vrf</i>. • Leaf <i>use-vrf</i> was added under list <i>host</i> within container <i>radius-server</i>. • Leaf <i>use-vrf</i> was added under list <i>host</i> within container <i>tacacs-server</i>. • Leaf <i>use-vrf</i> was added under list <i>host</i> within container <i>ldap-server</i>.

brocade-aaa-ext

Provides extensions to the brocade-aaa module for returning operational state information.

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw aaa-extensions:aaa-users
```

RPCs

Return user information:

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

Actions

```
module: brocade-common-def
  +--rw show
  |   +--rw aaa-extensions:aaa-users /*drop-node-name*/
  |   |   +--ro aaa-extensions:users
  |   |   +--ro aaa-extensions:input
  |   |   +--ro aaa-extensions:rbridge-id?  common-def:rbridge-id-all-type
```

brocade-ag

Provides a data model for managing Access Gateway.

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw ag:ag
      | +--rw ag:enable?          empty
      | +--rw ag:counter
      | | +--rw ag:reliabilitycountervalue?  uint32 /*alt-name:reliability*/
      | +--rw ag:timeout
      | | +--rw ag:fnmtovalue?  uint32 /*alt-name:fnm*/
      | +--rw ag:nport-menu
      | | +--rw ag:nport-interface /*alt-name:interface*/
      | | | +--rw ag:nport [agNPortNb] /*alt-name:FiberChannel */
      | | | +--rw ag:agNPortNb      nport-interfaces-type
      | | | +--rw ag:map
      | | | | +--rw ag:map-fport /*alt-name:fport*/
      | | | | +--rw ag:map-fport-interface
      | | | | +--rw ag:map-fcoe*    fport-interfaces-type
      | +--rw ag:pg [pgid]
      | | +--rw ag:pgid          pgid-type
      | +--rw ag:nport
      | | +--rw ag:pg-nport-interface
      | | | +--rw ag:nports*      nport-interfaces-type
      | +--rw ag:modes*          pg-policy-types
      +--rw ag:rename?          string
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Augment to brocade-rbridge was modified to include containers <i>counter</i> and <i>timeout</i>. • Leaf <i>enable</i> was added within container <i>ag</i> in augment to brocade-rbridge. • Augment to brocade-rbridge was modified to remove containers <i>counter</i> and <i>timeout</i> from <i>ag</i> (container) -> <i>pg</i> (list).

brocade-anycast-gateway

Provides a data model to describe the data model for anycast gateway (Fabric-Virtual-Gateway).

External augmentations

```

module: brocade-common-def
  +--rw router
    +--rw anycast-gateway:fabric-virtual-gateway?
      +--rw anycast-gateway:address-family
        +--rw anycast-gateway:ipv4?
          +--rw anycast-gateway:enable_global? empty /*alt-
name:"enable"*/
          | +--rw anycast-gateway:gratuitous-arp
          | | +--rw anycast-gateway:timer? uint32
          | | +--rw anycast-gateway:gateway-mac-address? mac-access-
list:mac-address-type
          | +--rw anycast-gateway:accept-unicast-arp-request? empty
          +--rw anycast-gateway:ipv6?
            +--rw anycast-gateway:enable_global? empty
            +--rw anycast-gateway:gratuitous-arp
            | +--rw anycast-gateway:timer? uint32
            +--rw anycast-gateway:gateway-mac-address? mac-access-list:mac-
address-type

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw rbridge-id uint32
    +--ro brocade-interface:interface
      | +--ro brocade-interface:ve [name]
      | | +--ro ip-config:ip
      | | | +--ro anycast-gateway:ip-local-anycast-gateway [local-ip-gw-id] /*alt-
name:"fabric-virtual-gateway"*/
      | | | +--ro anycast-gateway:local-ip-gw-id uint32
      | | | +--ro anycast-gateway:enable_local? empty /*alt-name:"enable"*/
      | | | +--ro anycast-gateway:disable_local? empty /*alt-name:"disable"*/
      | | | +--ro anycast-gateway:load-balancing
      | | | | +--ro anycast-gateway:basic? empty /*drop-node-
name*/
      | | | | +--ro anycast-gateway:threshold-priority? uint32
      | | | | +--ro anycast-gateway:track
      | | | | +--ro anycast-gateway:interface [interface-type interface-name]
      | | | | +--ro anycast-gateway:interface-type vrrp:track-
iftype /*drop-node-name*/
      | | | | +--ro anycast-gateway:interface-name vrrp:track-
ifname /*drop-node-name*/
      | | | | +--ro anycast-gateway:interface-priority uint32 /*alt-
name:priority*/
      | | | | +--ro anycast-gateway:network [network-address]
      | | | | +--ro anycast-gateway:network-address comn:ipv4-prefix-
mask /*drop-node-name*/
      | | | | +--ro anycast-gateway:network-priority uint32 /*alt-
name:priority*/
      | | | | +--ro anycast-gateway:next-hop [next-hop-address]
      | | | | +--ro anycast-gateway:next-hop-address inet:ip-address /
      | | | | +--ro anycast-gateway:next-hop-priority uint32 /*alt-
name:priority*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw rbridge-id uint32
    +--ro brocade-interface:interface
      | +--ro brocade-interface:ve [name]
      | | +--ro ipv6-config:ipv6
      | | | +--ro anycast-gateway:ipv6-local-anycast-gateway [local-ipv6-gw-id] /
      | | | *alt-name:"fabric-virtual-gateway"*/
      | | | +--ro anycast-gateway:local-ipv6-gw-id uint32
      | | | +--ro anycast-gateway:enable_local? empty /*alt-
name:"enable"*/
      | | | +--ro anycast-gateway:disable_local? empty /*alt-

```

```

name:"disable"*/
| | | | | +---ro anycast-gateway:load-balancing
| | | | | | +---ro anycast-gateway:basic? empty
| | | | | | +---ro anycast-gateway:threshold-priority? uint32
| | | | | +---ro anycast-gateway:ipv6-track /*alt-name:track*/
| | | | | +---ro anycast-gateway:ipv6-interface [ipv6-interface-type ipv6-
interface-name] /*alt-name:interface*/
| | | | | | +---ro anycast-gateway:ipv6-interface-type vrrp:track-
iftype /*drop-node-name*/
| | | | | | +---ro anycast-gateway:ipv6-interface-name vrrp:track-
ifname /*drop-node-name*/
| | | | | | +---ro anycast-gateway:ipv6-interface-priority uint32 /
*alt-name:priority*/
| | | | | +---ro anycast-gateway:ipv6-network [ipv6-network-address] /*alt-
name:network*/
| | | | | | +---ro anycast-gateway:ipv6-network-address comn:ipv6-
address-prefix /*drop-node-name*/
| | | | | | +---ro anycast-gateway:ipv6-network-priority uint32 /*alt-
name:priority*/
| | | | | +---ro anycast-gateway:ipv6-next-hop [ipv6-next-hop-address] /
*alt-name:next-hop*/
| | | | | | +---ro anycast-gateway:ipv6-next-hop-address inet:ipv6-
address /*drop-node-name*/
| | | | | | +---ro anycast-gateway:ipv6-next-hop-priority uint32 /*alt-
name:priority*/

module: brocade-interface
+---rw interface-vlan
| +---rw interface
| | +---rw ve [gve-name]
| | | +---rw ip
| | | | +---rw anycast-gateway:ip-anycast-gateway [ip-gw-id] /*alt-
name:"fabric-virtual-gateway"*/
| | | | +---rw anycast-gateway:ip-gw-id uint32
| | | | +---rw anycast-gateway:ipv4-gateway-address? comn:ipv4-prefix-
mask /*alt-name:"gateway-address"*/
| | | | +---rw anycast-gateway:gratuitous-arp
| | | | | +---rw anycast-gateway:gve-timer? uint32 /*alt-name:timer*/
| | | | | +---rw anycast-gateway:hold-time? uint32
| | | | | +---rw anycast-gateway:load-balancing-disable? empty
| | | | | +---rw anycast-gateway:enable? empty
| | | | | +---rw anycast-gateway:description? string

module: brocade-interface
+---rw interface-vlan
| +---rw interface
| | +---rw ve [gve-name]
| | | +---rw ipv6
| | | | +---rw anycast-gateway:ipv6-anycast-gateway [ipv6-gw-id] /*alt-
name:"fabric-virtual-gateway"*/
| | | | +---rw anycast-gateway:ipv6-gw-id uint32
| | | | +---rw anycast-gateway:ipv6-gateway-address [ipv6-gw-addr] /*alt-
name:"gateway-address"*/
| | | | | +---rw anycast-gateway:ipv6-gw-addr comn:ipv6-address-prefix
| | | | | +---rw anycast-gateway:gratuitous-arp
| | | | | | +---rw anycast-gateway:gve-timer? uint32 /*alt-name:timer*/
| | | | | | +---rw anycast-gateway:hold-time? uint32
| | | | | | +---rw anycast-gateway:load-balancing-disable? empty
| | | | | | +---rw anycast-gateway:enable? empty
| | | | | +---rw anycast-gateway:description? string

module: brocade-interface
+---rw interface-vlan
| +---rw interface
| | +---rw ve [gve-name]
| | | +---rw anycast-gateway:attach
| | | | +---rw anycast-gateway:rbridge-id
| | | | +---rw anycast-gateway:rb-add? comn:rbridge-id-range /*alt-
name:"add"*/
| | | | +---rw anycast-gateway:rb-remove? comn:rbridge-id-range /*alt-
name:"remove"*/

```

History

Release version	History
6.0.1	This YANG module was introduced.
7.0.0	This YANG module was modified to include the following: • Type of leaf <i>rb-add</i> within <i>attach</i> (container) -> <i>rbridge-id</i> (container) was changed to <i>comn:rbridge-id-range</i>. • Type of leaf <i>rb-remove</i> within <i>attach</i> (container) -> <i>rbridge-id</i> (container) was changed to <i>comn:rbridge-id-range</i>.

brocade-arp

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

Top-level container

```

module: brocade-arp
  +--rw hide-arp-holder /*drop-node-name*/
    +--rw arp-entry [arp-ip-address] /*alt-name:"arp"*/
      +--rw arp-ip-address      inet:ipv4-address /*drop-node-name*/
      +--rw mac-address-value?   mac-access-list:mac-address-type /*drop-
node-name*/
    +--rw interfacename?         enumeration /*drop-node-name*/
    +--rw (interfacetype)?
      +--:(Port-channel)
        | +--rw Port-channel?      interface:portchannel-type
      +--:(GigabitEthernet)
        | +--rw GigabitEthernet?   interface:interface-type
      +--:(TenGigabitEthernet)
        | +--rw TenGigabitEthernet? interface:interface-type
      +--:(FortyGigabitEthernet)
        | +--rw FortyGigabitEthernet? interface:interface-type
      +--:(HundredGigabitEthernet)
        | +--rw HundredGigabitEthernet? interface:interface-type
      +--:(Ve)
        +--rw Ve?                  interface:vlan-type

```

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw vrf:vrf [vrf-name]
    | +--rw vrf:address-family
    | | +--rw vrf:ip
    | | | +--rw vrf:unicast?
    | | | +--rw vrf:max-route? uint32
    | | | +--rw arp:arp-entry [arp-ip-address] /*alt-name "arp"*/
    | | | | +--rw arp:arp-ip-address      inet:ipv4-address /*drop-
node-name*/
    | | | | +--rw arp:mac-address-value?   mac-access-list:mac-address-
type /*drop-node-name*/
    | | | | +--rw arp:interfacename?       enumeration /*drop-node-
name*/
    | | | | +--rw (interfacetype)?
    | | | | +--:(Port-channel)
    | | | | | +--rw arp:Port-channel?      interface:portchannel-
type
    | | | | +--:(GigabitEthernet)
    | | | | | +--rw arp:GigabitEthernet?   interface:interface-
type
    | | | | +--:(TenGigabitEthernet)
    | | | | | +--rw arp:TenGigabitEthernet? interface:interface-
type
    | | | | +--:(FortyGigabitEthernet)
    | | | | | +--rw arp:FortyGigabitEthernet? interface:interface-
type
    | | | | +--:(HundredGigabitEthernet)
    | | | | | +--rw arp:HundredGigabitEthernet? interface:interface-
type
    | | | | +--:(Ve)
    | | | | | +--rw arp:Ve?                  interface:vlan-type
    | | | +--rw arp:Ve?
    | | +--rw arp:Ve?
    | +--rw arp:Ve?
    +--rw arp:Ve?

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw arp:host-table
    | +--rw arp:aging-mode
    | | +--rw arp:conversational? empty
    | +--rw arp:aging-time
    | | +--rw arp:conversational-timeout? uint32 /*alt-name conversational*/

```

```

module: brocade-interface
  +--rw interface-vlan
  |   +--rw interface
  |   |   +--rw vlan [name]
  |   |   |   +--rw arp:suppress-arp
  |   |   |   |   +--rw arp:suppress-arp-enable?    empty /*alt-name "enable"*/; /*drop-
node-name*/

```

RPCs

Return ARP entries of the managed entity:

```

+---x get-arp
+---ro input
|   +--ro (input-type)?
|   |   +---:(interface)
|   |   |   +--ro interface-type?    enumeration
|   |   |   +--ro interface-name?    union
|   |   |   +---:(dynamic)
|   |   |   |   +--ro dynamic?        empty
|   |   |   +---:(static)
|   |   |   |   +--ro static?         empty
|   |   |   +---:(ip)
|   |   |   |   +--ro 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

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>Port-channel</i> was added within case <i>Port-channel</i> under choice <i>interfacetype</i>. • Leaf <i>suppress-arp-enable</i> was added within container <i>suppress-arp</i> in augment to <i>/interface:interface-vlan/interface:interface/interface:vlan</i> • Case <i>Port-channel</i> containing leaf <i>Port-channel</i> was added under list <i>arp-entry</i> in augment to <i>/rbridge:rbridge-id/vrf:vrf/vrf:address-family/vrf:ip/vrf:unicast</i> • Leaf <i>conversational</i> was added within <i>host-table</i> (container) -> <i>aging-mode</i> (container) in augment to <i>/rbridge:rbridge-id</i> • Leaf <i>onversational-timeout</i> was added within <i>host-table</i> (container) -> <i>aging-time</i> (container) in augment to <i>/rbridge:rbridge-id</i>

brocade-auto-shut-edge-port

Provides a data model for managing the auto-shut for Virtual Cluster Switching.

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw brocade-auto-shut-edge-port:vcs
      | +--rw brocade-auto-shut-edge-port:auto-shut
      |   +--rw brocade-auto-shut-edge-port:lag? 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 disable
```

Actions

Enable the interface beacon:

```
module: brocade-beacon
  +--rw beacon
    +--rw enable
      +--ro interface
        | +--ro input
        | | +--ro (interface-type)?
        | | | +--:(fortygigabitethernet)
        | | | | +--ro fortygigabitethernet string
        | | | +--:(hundredgigabitethernet)
        | | | | +--ro hundredgigabitethernet string
        | | | +--:(gigabitethernet)
        | | | | +--ro gigabitethernet string
        | | | +--:(tengigabitethernet)
        | | | | +--ro tengigabitethernet string
        | | | +--:(fibrenchannel)
        | | | | +--ro fibrenchannel string
        | | +--ro output
```

Disable the interface beacon:

```
module: brocade-beacon
  +--rw beacon
    +--rw disable
      +--ro interface
        | +--ro input
        | | +--ro (interface-type)?
        | | | +--:(fortygigabitethernet)
        | | | | +--ro fortygigabitethernet string
        | | | +--:(hundredgigabitethernet)
        | | | | +--ro hundredgigabitethernet string
        | | | +--:(gigabitethernet)
        | | | | +--ro gigabitethernet string
        | | | +--:(tengigabitethernet)
        | | | | +--ro tengigabitethernet string
        | | | +--:(fibrenchannel)
        | | | | +--ro fibrenchannel string
```

Enable the chassis beacon:

```
module: brocade-beacon
  +--rw beacon
    +--rw enable
      | +--ro chassis
      | +--ro input
      | +--ro output
```

Disable the chassis beacon:

```
module: brocade-beacon
  +--rw beacon
    +--rw disable
      | +--ro chassis
      | +--ro input
      | +--ro output
```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>fibrenchannel</i> was added under case <i>fibrenchannel</i> within container <i>enable</i>. • Leaf <i>fibrenchannel</i> was added under case <i>fibrenchannel</i> within container <i>disable</i>.

External augmentations

History

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brocade-bgp

Provides a data model to manage Border Gateway Protocol (BGP).

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw router
      +--rw bgp:router-bgp? /*alt-name:"bgp"*/
        +--rw bgp:router-bgp-attributes /*drop-node-name*/
          +--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 /*drop-
node-name*/ /*alt-name:"id"*/
              +---:(ca-cluster-id-ipv4-address)
                +--rw bgp:cluster-id-ipv4-address? inet:ipv4-address /*alt-
name:"ipv4-address"*/
          +--rw bgp:default-local-preference? local-preference-number
          +--rw bgp:distance
            +--rw bgp:ext-route-distance? ext-route-distance /*drop-node-
name*/
            +--rw bgp:int-route-distance? int-route-distance /*drop-node-
name*/
            +--rw bgp:lcl-route-distance? lcl-route-distance /*drop-node-
name*/
          +--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 /*drop-node-name*/
          +--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: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:neighbor
            +--rw bgp:peer-grps /*drop-node-name*/
              +--rw bgp:neighbor-peer-grp [router-bgp-neighbor-peer-grp] /
*drop-node-name*/
            +--rw bgp:router-bgp-neighbor-peer-grp bgp-peergroup /
*alt-name:"address"*/
            +--rw bgp:peer-group-name? empty /*alt-
name:"peer-group"*/
            +--rw bgp:remote-as? bgp-remote-as
            +--rw bgp:update-source
              +--rw (ch-update-source)?
                +---:(ca-ipv4)
                  +--rw bgp:sip-ipv4-address? sip-ipv4-address /
*drop-node-name*/
                +---:(ca-eth)
                  +--rw bgp:ethernet-interface /*drop-node-name*/
            +--rw bgp:interface-type? enumeration /*drop-
node-name*/

```

```

ethernet-type /*drop-node-name*/          +--rw bgp:ethernet?      update-source-
|                                           +---:(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 /*drop-node-name*/
|   +--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 /*alt-
name:"always"*/
|       +---:(ca-next-hop-self-status)
|       |   +--rw bgp:next-hop-self-status?    empty /*drop-node-
name*/
+--rw bgp:advertisement-interval
|   +--rw bgp:value?    adv-value /*drop-node-name*/
+--rw bgp:ebgp-btsh?    empty
+--rw bgp:ebgp-multihop
|   +--rw (ch-ebgp-multihop-type)?
|       +---:(ca-ebgp-multihop-flag)
|       |   +--rw bgp:ebgp-multihop-flag?    empty /*drop-node-
name*/
|       +---:(ca-ebgp-multihop-count)
|       |   +--rw bgp:ebgp-multihop-count?    uint32 /*drop-node-
name*/
+--rw bgp:password?    bgp-password
+--rw bgp:enforce-first-as
|   +--rw bgp:nei-enforce-first-as?    empty /*alt-
name:"enable"*/
|   +--rw bgp:nei-enforce-first-as-disable?    empty /*alt-
name:"disable"*/
+--rw bgp:timers
|   +--rw bgp:nei-keep-alive?    nei-keep-alive /*alt-
name:"keep-alive"*/
|   +--rw bgp:nei-hold-time?    nei-hold-time /*alt-name:"hold-
time"*/
+--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 /*drop-node-name*/
|   +--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: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 /*drop-node-name*/
|           +---:(ca-maxas-limit-disable)
|           |   +--rw bgp:maxas-limit-disable?    empty /*alt-
name:"disable"*/
|       +--rw bgp:af-neighbor-capability /*alt-name:"capability"*/
|           +--rw bgp:as4
|               +--rw bgp:neighbor-as4-enable?    empty /*alt-
name:"enable"*/
|               +--rw bgp:neighbor-as4-disable?    empty /*alt-
name:"disable"*/
+--rw bgp:shutdown
|   +--rw bgp:shutdown-status?    empty /*drop-node-name*/
|   +--rw bgp:generate-rib-out?    empty
+--rw bgp:neighbor-ipv6s /*drop-node-name*/
|   +--rw bgp:neighbor-ipv6-addr [router-bgp-neighbor-ipv6-address] /
/*drop-node-name*/
|       +--rw bgp:router-bgp-neighbor-ipv6-address    inet:ipv6-
address /*alt-name:"address"*/

```

				+--rw bgp:remote-as?	bgp-remote-as	
				+--rw bgp:associate-peer-group?	bgp-peergroup	/
alt-name:"peer-group"/				+--rw bgp:update-source		
				+--rw (ch-update-source)?		
				+--:(ca-ipv6)		
				+--rw bgp:sip-ipv6-address?	sip-ipv6-address	/
drop-node-name/				+--:(ca-eth)		
				+--rw bgp:ethernet-interface	/*drop-node-name*/	
				+--rw bgp:interface-type?	enumeration	/*drop-
node-name*/				+--rw bgp:ethernet?	update-source-	
ethernet-type /*drop-node-name*/				+--:(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	
description				+--rw bgp:description?	neighbor-	
				+--rw bgp:local-as		
name*/				+--rw bgp:local-as-value?	local-as-num	/*drop-node-
				+--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	/*alt-
name:"always"*/				+--:(ca-next-hop-self-status)		
				+--rw bgp:next-hop-self-status?	empty	/*drop-node-
name*/				+--rw bgp:advertisement-interval		
				+--rw bgp:value?	adv-value	/*drop-node-name*/
				+--rw bgp:ebgp-btsh?	empty	
				+--rw bgp:ebgp-multihop		
				+--rw (ch-ebgp-multihop-type)?		
				+--:(ca-ebgp-multihop-flag)		
name*/				+--rw bgp:ebgp-multihop-flag?	empty	/*drop-node-
				+--:(ca-ebgp-multihop-count)		
name*/				+--rw bgp:ebgp-multihop-count?	uint32	/*drop-node-
				+--rw bgp:password?	bgp-password	
				+--rw bgp:enforce-first-as		
				+--rw bgp:nei-enforce-first-as?	empty	/*alt-
name:"enable"*/				+--rw bgp:nei-enforce-first-as-disable?	empty	/*alt-
name:"disable"*/				+--rw bgp:timers		
				+--rw bgp:nei-keep-alive?	nei-keep-alive	/*alt-
name:"keep-alive"*/				+--rw bgp:nei-hold-time?	nei-hold-time	/*alt-
name:"hold-time"*/				+--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	/*drop-node-name*/
				+--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:		
				+--rw bgp:in		
				+--rw (chmaxas-limit-maxas-limit)?		
				+--:(ca-maxas-limit-enable)		
path /*drop-node-name*/				+--rw bgp:num-as-in-as-path?	num-as-in-as-	
				+--:(ca-maxas-limit-disable)		
name:"disable"*/				+--rw bgp:maxas-limit-disable?	empty	/*alt-

```

| | | | | +---rw bgp:af-neighbor-capability /*alt-name:"capability"*/
| | | | | | +---rw bgp:as4
| | | | | | +---rw bgp:neighbor-as4-enable? empty /*alt-
name:"enable"*/
| | | | | | +---rw bgp:neighbor-as4-disable? empty /*alt-
name:"disable"*/
| | | | | +---rw bgp:shutdown
| | | | | | +---rw bgp:shutdown-status? empty /*drop-node-name*/
| | | | | | +---rw bgp:generate-rib-out? empty
+---rw bgp:neighbor-ips /*drop-node-name*/
+---rw bgp:neighbor-addr [router-bgp-neighbor-address] /*drop-
node-name*/
+---rw bgp:router-bgp-neighbor-address inet:ipv4-address /
*alt-name:"address"*/
+---rw bgp:remote-as? bgp-remote-as
+---rw bgp:associate-peer-group? bgp-peer-group /*alt-
name:"peer-group"*/
+---rw bgp:update-source
| +---rw (ch-update-source)?
| +---: (ca-ipv4)
| | +---rw bgp:sip-ipv4-address? sip-ipv4-address /
*drop-node-name*/
| | +---: (ca-eth)
| | | +---rw bgp:ethernet-interface /*drop-node-name*/
| | | +---rw bgp:interface-type? enumeration /*drop-
node-name*/
| | | +---rw bgp:ethernet? update-source-
ethernet-type /*drop-node-name*/
| | | +---: (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 /*drop-node-name*/
| +---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 /*alt-
name:"always"*/
| | +---: (ca-next-hop-self-status)
| | +---rw bgp:next-hop-self-status? empty /*drop-node-
name*/
+---rw bgp:advertisement-interval
| +---rw bgp:value? adv-value /*drop-node-name*/
+---rw bgp:ebgp-btsh? empty
+---rw bgp:ebgp-multihop
| +---rw (ch-ebgp-multihop-type)?
| +---: (ca-ebgp-multihop-flag)
| | +---rw bgp:ebgp-multihop-flag? empty /*drop-node-
name*/
| | +---: (ca-ebgp-multihop-count)
| | +---rw bgp:ebgp-multihop-count? uint32 /*drop-node-
name*/
+---rw bgp:password? bgp-password
+---rw bgp:enforce-first-as
| +---rw bgp:nei-enforce-first-as? empty /*alt-
name:"enable"*/
| +---rw bgp:nei-enforce-first-as-disable? empty /*alt-
name:"disable"*/
+---rw bgp:timers
| +---rw bgp:nei-keep-alive? nei-keep-alive /*alt-
name:"keep-alive"*/
| +---rw bgp:nei-hold-time? nei-hold-time /*alt-name:"hold-
time"*/
+---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 /*drop-node-name*/
| +---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-multiplier-type
| | | | | +--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 /*drop-node-name*/
| | | | | +---:(ca-maxas-limit-disable)
| | | | | +--rw bgp:maxas-limit-disable?      empty /*alt-
name:"disable"*/
| | | | | +--rw bgp:af-neighbor-capability /*alt-name:"capability"*/
| | | | | +--rw bgp:as4
| | | | | +--rw bgp:neighbor-as4-enable?      empty /*alt-
name:"enable"*/
| | | | | +--rw bgp:neighbor-as4-disable?      empty /*alt-
name:"disable"*/
| | | | | +--rw bgp:shutdown
| | | | | +--rw bgp:shutdown-status?          empty /*drop-node-name*/
| | | | | +--rw bgp:generate-rib-out?          empty
| | | | | +--rw bgp:address-family
| | | | | +--rw bgp:ipv4
| | | | | +--rw bgp:ipv4-unicast /*alt-name:"unicast"*/
| | | | | +--rw bgp:default-vrf /*drop-node-name*/
| | | | | +--rw bgp:default-vrf-selected?
empty /*drop-node-name*/
| | | | | +--rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder /*drop-
node-name*/
| | | | | +--rw bgp:bgp-redistribute-internal? empty
| | | | | +--rw bgp:redistribute
| | | | | +--rw bgp:bgp
| | | | | +--rw bgp:redistribute-bgp?      empty /*drop-node-
name*/
| | | | | +--rw bgp:bgp-metric?            conn-metric /*alt-
name:"metric"*/
| | | | | +--rw bgp:bgp-route-map?          rmap-type /*alt-
name:"route-map"*/
| | | | | +--rw bgp:connected
| | | | | +--rw bgp:redistribute-connected? empty /*drop-
node-name*/
| | | | | +--rw bgp:unicast-metric?          conn-metric /
*alt-name:"metric"*/
| | | | | +--rw bgp:redistribute-route-map?  rmap-type /*alt-
name:"route-map"*/
| | | | | +--rw bgp:ospf
| | | | | +--rw bgp:redistribute-ospf?      empty /*drop-node-
name*/
| | | | | +--rw bgp:match
| | | | | +--rw bgp:ospf-internal?          empty /*alt-
name:"internal"*/
| | | | | +--rw bgp:ospf-external1?         empty /*alt-
name:"external1"*/
| | | | | +--rw bgp:ospf-external2?         empty /*alt-
name:"external2"*/
| | | | | +--rw bgp:ospf-metric?            conn-metric /*alt-
name:"metric"*/
| | | | | +--rw bgp:ospf-route-map?          rmap-type /*alt-
name:"route-map"*/
| | | | | +--rw bgp:static
| | | | | +--rw bgp:redistribute-static?      empty /*drop-
node-name*/
| | | | | +--rw bgp:unicast-static-metric?    conn-metric /
*alt-name:"metric"*/
| | | | | +--rw bgp:static-route-map?          rmap-type /*alt-
name:"route-map"*/
| | | | | +--rw bgp:static-network [static-network-address]
| | | | | +--rw bgp:static-network-address    inet:ipv4-prefix /
*drop-node-name*/
| | | | | +--rw bgp:static-network-distance?  sdistance /*alt-
name:"distance"*/
| | | | | +--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 /
*alt-name:"weight"*/
+---rw bgp:backdoor?                 empty
+---rw bgp:network-route-map?        rmap-type /*alt-
name:"route-map"*/
+---rw bgp:neighbor
+---rw bgp:af-ipv4-neighbor-peergroup-holder /*drop-node-
name*/
+---rw bgp:af-ipv4-neighbor-peergroup [af-ipv4-neighbor-
peergroup-name] /*drop-node-name*/
+---rw bgp:af-ipv4-neighbor-peergroup-name    bgp-
peergroup /*alt-name:"address"*/
+---rw bgp:send-community
+---rw bgp:send-community-status?    empty
+---rw bgp:both?                     empty
+---rw bgp:extended?                 empty
+---rw bgp:standard?                 empty
+---rw bgp:af-neighbor-capability /*alt-
name:"capability"*/
+---rw bgp:orf
+---rw bgp:prefixlist
+---rw bgp:prefixlist-status?        empty /
*drop-node-name*/
+---rw bgp:prefixlist-send?          empty /*alt-
name:"send"*/
+---rw bgp:prefixlist-receive?       empty /*alt-
name:"receive"*/
+---rw bgp:additional-paths
+---rw bgp:add-path-both?            empty /*drop-node-
name*/
+---rw bgp:send?                     empty
+---rw bgp:receive?                  empty
+---rw bgp:additional-paths
+---rw bgp:advertise
+---rw (ch-additional-paths)?
+---: (ca-best)
+---: (ca-all)
+---: (ca-best)
+---: (ca-all)
+---rw bgp:all?                      empty
+---rw bgp:allowas-in?                uint32
+---rw bgp:activate?                  empty
+---rw bgp:filter-list
+---rw bgp:direction-in /*drop-node-name*/
+---rw bgp:filter-list-direction-in-acl-name?
ip-filter-name /*drop-node-name*/
+---rw bgp:filter-list-name-direction-in?
empty /*alt-name:"in"*/
+---rw bgp:direction-out /*drop-node-name*/
+---rw bgp:filter-list-direction-out-acl-
name? ip-filter-name /*drop-node-name*/
+---rw bgp:filter-list-name-direction-
out? empty /*alt-name:"out"*/
+---rw bgp:maximum-prefix
+---rw bgp:max-prefix-limit?          max-prefix-limit /
*drop-node-name*/
+---rw bgp:threshold-holder /*drop-node-name*/
+---rw bgp:threshold?                max-prefix-threshold /
*drop-node-name*/
+---rw bgp:teardown?                 empty
+---rw bgp:default-originate
+---rw bgp:default-originate-status? empty /
*drop-node-name*/
+---rw bgp:default-originate-route-map? rmap-
type /*alt-name:"route-map"*/
+---rw bgp:prefix-list
+---rw bgp:direction-in /*drop-node-name*/
+---rw bgp:prefix-list-direction-in-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
+---rw bgp:prefix-list-direction-
in? empty /*alt-name:"in"*/
+---rw bgp:direction-out /*drop-node-name*/
+---rw bgp:prefix-list-direction-out-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
+---rw bgp:prefix-list-direction-
out? empty /*alt-name:"out"*/
+---rw bgp:neighbor-route-map /*alt-name:"route-map"*/

```

```

name: "in" */
in? common-def:name-string64 /*drop-node-name*/
name: "out" */
out? common-def:name-string64 /*drop-node-name*/
name */
weight /*alt-name: "weight" */
name */
address /*drop-node-name*/
address /*alt-name: "address" */
node-name */
name: "capability" */
*drop-node-name */
*alt-name: "send" */
*alt-name: "receive" */
name */
name? ip-filter-name /*drop-node-name*/
in? empty /*alt-name: "in" */
name? ip-filter-name /*drop-node-name*/
out? empty /*alt-name: "out" */
*drop-node-name */
*drop-node-name */
type /*alt-name: "route-map" */
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name: "ip-access-number" */

```

+---rw bgp:neighbor-route-map-direction-in /*alt-
 +---rw bgp:neighbor-route-map-name-direction-
 +---rw bgp:neighbor-route-map-direction-out /*alt-
 +---rw bgp:neighbor-route-map-name-direction-
 +---rw bgp:route-reflector-client? empty
 +---rw bgp:unsuppress-map
 +---rw bgp:map-name? rmap-type /*drop-node-
 +---rw bgp:af-nei-weight? nei-
 +---rw bgp:af-ipv4-neighbor-address-holder /*drop-node-
 +---rw bgp:af-ipv4-neighbor-address [af-ipv4-neighbor-
 +---rw bgp:af-ipv4-neighbor-address inet:ipv4-
 +---rw bgp:send-community
 +---rw bgp:send-community-status? empty /*drop-
 +---rw bgp:both? empty
 +---rw bgp:extended? empty
 +---rw bgp:standard? empty
 +---rw bgp:af-neighbor-capability /*alt-
 +---rw bgp:orf
 +---rw bgp:prefixlist
 +---rw bgp:prefixlist-status? empty /
 +---rw bgp:prefixlist-send? empty /
 +---rw bgp:prefixlist-receive? empty /
 +---rw bgp:additional-paths
 +---rw bgp:add-path-both? empty /*drop-node-
 +---rw bgp:send? empty
 +---rw bgp:receive? empty
 +---rw bgp:additional-paths
 +---rw bgp:advertise
 +---rw (ch-additional-paths)?
 +---: (ca-best)
 | +---rw bgp:best? additional-paths-best
 +---: (ca-all)
 +---rw bgp:all? empty
 +---rw bgp:allowas-in? uint32
 +---rw bgp:activate? empty
 +---rw bgp:filter-list
 +---rw bgp:direction-in /*drop-node-name*/
 +---rw bgp:filter-list-direction-in-acl-
 +---rw bgp:direction-out /*drop-node-name*/
 +---rw bgp:filter-list-direction-out-acl-
 +---rw bgp:filter-list-name-direction-
 +---rw bgp:maximum-prefix
 +---rw bgp:max-prefix-limit? max-prefix-limit /
 +---rw bgp:threshold-holder /*drop-node-name*/
 +---rw bgp:threshold? max-prefix-threshold /
 +---rw bgp:teardown? empty
 +---rw bgp:default-originate
 +---rw bgp:default-originate-status? empty /
 +---rw bgp:default-originate-route-map? rmap-
 +---rw bgp:prefix-list
 +---rw bgp:direction-in /*drop-node-name*/
 +---rw bgp:prefix-list-direction-in-prefix-
 +---rw bgp:prefix-list-direction-

```

in?          empty /*alt-name:"in"*/
|           |           |           |           | +--rw bgp:direction-out /*drop-node-name*/
|           |           |           |           | +--rw bgp:prefix-list-direction-out-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
|           |           |           |           | +--rw bgp:prefix-list-direction-
out?          empty /*alt-name:"out"*/
|           |           |           |           | +--rw bgp:neighbor-route-map /*alt-name:"route-map"*/
|           |           |           |           | +--rw bgp:neighbor-route-map-direction-in /*alt-
name:"in"*/
|           |           |           |           | +--rw bgp:neighbor-route-map-name-direction-
in? common-def:name-string64 /*drop-node-name*/
|           |           |           |           | +--rw bgp:neighbor-route-map-direction-out /*alt-
name:"out"*/
|           |           |           |           | +--rw bgp:neighbor-route-map-name-direction-
out? common-def:name-string64 /*drop-node-name*/
|           |           |           |           | +--rw bgp:route-reflector-client? empty
|           |           |           |           | +--rw bgp:unsuppress-map
|           |           |           |           | +--rw bgp:map-name? rmap-type /*drop-node-name*/
|           |           |           |           | +--rw bgp:af-nei-weight? nei-weight /
*alt-name:"weight"*/
|           |           |           |           | +--rw bgp:af-common-cmds-holder /*drop-node-name*/
|           |           |           |           | +--rw bgp:maximum-paths
|           |           |           |           | +--rw bgp:load-sharing-value? uint32 /*drop-node-
name*/
|           |           |           |           | +--rw bgp:ebgp? ebgp-paths
|           |           |           |           | +--rw bgp:ibgp? ibgp-paths
|           |           |           |           | +--rw bgp:use-load-sharing? empty
|           |           |           |           | +--rw bgp:multipath
|           |           |           |           | +--rw bgp:multipath_ebgp? empty /*alt-name:"ebgp"*/
|           |           |           |           | +--rw bgp:multipath_ibgp? empty /*alt-name:"ibgp"*/
|           |           |           |           | +--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 /*drop-
node-name*/
|           |           |           |           | +--: (ca-dampening-specify-values)
|           |           |           |           | +--rw bgp:values /*drop-node-name*/
|           |           |           |           | +--rw bgp:half-time? htime /*drop-
node-name*/
|           |           |           |           | +--rw bgp:reuse-value? damp-reuse-
value /*drop-node-name*/
|           |           |           |           | +--rw bgp:start-suppress-time? damp-start-
suppress-value /*drop-node-name*/
|           |           |           |           | +--rw bgp:max-suppress-time? damp-max-
suppress-value /*drop-node-name*/
|           |           |           |           | +--: (ca-dampening-route-map)
|           |           |           |           | +--rw bgp:dampening-route-map? rmap-type /*alt-
name:"route-map"*/
|           |           |           |           | +--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 /*drop-node-
name*/; /*alt-name:"route-map"*/
|           |           |           |           | +--rw bgp:update-time? update-time-type
|           |           |           |           | +--rw bgp:graceful-restart
|           |           |           |           | +--rw bgp:graceful-restart-status? empty /*drop-node-
name*/
|           |           |           |           | +--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:af-vrf [af-vrf-name] /*alt-name:"vrf"*/
string /*alt-name:"vrf-name"*/
|           |           |           |           | +--rw bgp:af-vrf-name
|           |           |           |           | +--rw bgp:local-as? local-
as-type
|           |           |           |           | +--rw bgp:maxas-limit
|           |           |           |           | +--rw bgp:in
|           |           |           |           | +--rw bgp:num-as-in-path? num-as-in-path /*drop-node-
name*/
|           |           |           |           | +--rw bgp:next-hop-recursion? empty
|           |           |           |           | +--rw bgp:graceful-restart-status? empty /

```

[illegible]

```

ip-filter-name /*drop-node-name*/ | | +--rw bgp:filter-list-direction-in-acl-name?
empty /*alt-name:"in"*/ | | +--rw bgp:filter-list-name-direction-in?
| | +--rw bgp:direction-out /*drop-node-name*/
name? ip-filter-name /*drop-node-name*/ | | +--rw bgp:filter-list-direction-out-acl-
out? empty /*alt-name:"out"*/ | | +--rw bgp:filter-list-name-direction-
| | +--rw bgp:maximum-prefix
| | +--rw bgp:max-prefix-limit? max-prefix-limit /
*drop-node-name*/ | | +--rw bgp:threshold-holder /*drop-node-name*/
*drop-node-name*/ | | +--rw bgp:threshold? max-prefix-threshold /
| | +--rw bgp:teardown? empty
+--rw bgp:default-originate
+--rw bgp:default-originate-status? empty /
*drop-node-name*/ | | +--rw bgp:default-originate-route-map? rmap-
type /*alt-name:"route-map"*/ | | +--rw bgp:prefix-list
| | +--rw bgp:direction-in /*drop-node-name*/
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/ | | +--rw bgp:prefix-list-direction-in-prefix-
in? empty /*alt-name:"in"*/ | | +--rw bgp:prefix-list-direction-
| | +--rw bgp:direction-out /*drop-node-name*/
| | +--rw bgp:prefix-list-direction-out-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/ | | +--rw bgp:prefix-list-direction-
out? empty /*alt-name:"out"*/ | | +--rw bgp:neighbor-route-map /*alt-name:"route-map"*/
| | +--rw bgp:neighbor-route-map-direction-in /*alt-
name:"in"*/
| | +--rw bgp:neighbor-route-map-name-direction-
in? common-def:name-string64 /*drop-node-name*/ | | +--rw bgp:neighbor-route-map-direction-out /*alt-
name:"out"*/
| | +--rw bgp:neighbor-route-map-name-direction-
out? common-def:name-string64 /*drop-node-name*/ | | +--rw bgp:route-reflector-client? empty
+--rw bgp:unsuppress-map
| +--rw bgp:map-name? rmap-type /*drop-node-name*/
+--rw bgp:af-nei-weight? nei-weight /
*alt-name:"weight"*/ | | +--rw bgp:af-vrf-neighbor-capability /*alt-name
"capability"*/
| | +--rw bgp:as4
name "enable"*/ | | +--rw bgp:neighbor-as4-enable? empty /*alt-
name "disable"*/ | | +--rw bgp:neighbor-as4-disable? empty /*alt-
| | +--rw bgp:orf
| | +--rw bgp:prefixlist
| | +--rw bgp:prefixlist-status? empty /
*drop-node-name*/ | | +--rw bgp:prefixlist-send? empty /*alt-
name "send"*/ | | +--rw bgp:prefixlist-receive? empty /*alt-
name "receive"*/ | | +--rw bgp:additional-paths
name*/ | | +--rw bgp:add-path-both? empty /*drop-node-
| | +--rw bgp:send? empty
| | +--rw bgp:receive? empty
description | | +--rw bgp:description? neighbor-
| | +--rw bgp:local-as
node-name*/ | | +--rw bgp:local-as-value? local-as-num /*drop-
| | +--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 /
*alt-name:"always"*/ | | +-- (ca-next-hop-self-status)

```

<pre> *drop-node-name*/ *drop-node-name*/ *drop-node-name*/ *alt-name:"enable"*/ *alt-name:"disable"*/ name:"keep-alive"*/ name:"hold-time"*/ name*/ interval in-as-path /*drop-node-name*/ *alt-name:"disable"*/ address /*drop-node-name*/ name*/ enumeration /*drop-node-name*/ source-ethernet-type /*drop-node-name*/ interface:portchannel-type interface interface:ve-type </pre>	<pre> +---rw bgp:next-hop-self-status? empty / +---rw bgp:advertisement-interval +---rw bgp:value? adv-value /*drop-node-name*/ +---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 /*alt- +---rw bgp:nei-hold-time? nei-hold-time /*alt- +---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 /*drop-node- +---rw bgp:holdover-interval? bfd:bfd-holdover- +---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:maxas-limit +---rw bgp:in +---rw (ch-maxas-limit)? +---:(ca-maxas-limit-enable) +---rw bgp:num-as-in-as-path? num-as- +---:(ca-maxas-limit-disable) +---rw bgp:maxas-limit-disable? empty / +---rw bgp:update-source +---rw (ch-update-source)? +---:(ca-ipv4) +---rw bgp:sip-ipv4-address? sip-ipv4- +---:(ca-eth) +---rw bgp:ethernet-interface /*drop-node- +---rw bgp:interface-type? +---rw bgp:ethernet? update- +---:(ca-port-channel) +---rw bgp:port-channel? +---:(ca-loopback) +---rw bgp:loopback? loopback- +---:(ca-ve) +---rw bgp:ve-interface? +---rw bgp:additional-paths +---rw bgp:advertise +---rw (ch-additional-paths)? +---:(ca-best) +---rw bgp:best? additional-paths-best +---:(ca-all) +---rw bgp:all? empty +---rw bgp:send-community +---rw bgp:send-community-status? empty +---rw bgp:both? empty </pre>
--	--

```

| | | | | +---rw bgp:extended? empty
| | | | | +---rw bgp:standard? empty
| | | | | +---rw bgp:maximum-paths
| | | | | +---rw bgp:load-sharing-value? uint32 /*drop-node-name*/
| | | | | +---rw bgp:ebgp? ebgp-paths
| | | | | +---rw bgp:ibgp? ibgp-paths
| | | | | +---rw bgp:use-load-sharing? empty
| | | | | +---rw bgp:multipath
| | | | | | +---rw bgp:multipath_ebgp? empty /*alt-name:"ebgp"*/
| | | | | | +---rw bgp:multipath_ibgp? empty /*alt-name:"ibgp"*/
| | | | | | +---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 /*drop-node-
name*/
| | | | | | +---: (ca-dampening-specify-values)
| | | | | | | +---rw bgp:values /*drop-node-name*/
| | | | | | | +---rw bgp:half-time? htime /*drop-
node-name*/
| | | | | | +---rw bgp:reuse-value? damp-reuse-
value /*drop-node-name*/
| | | | | | +---rw bgp:start-suppress-time? damp-start-
suppress-value /*drop-node-name*/
| | | | | | +---rw bgp:max-suppress-time? damp-max-
suppress-value /*drop-node-name*/
| | | | | | +---: (ca-dampening-route-map)
| | | | | | +---rw bgp:dampening-route-map? rmap-type /*alt-
name:"route-map"*/
| | | | | +---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 /*drop-node-
name*/; /*alt-name:"route-map"*/
| | | | | +---rw bgp:update-time? update-
time-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 /*drop-
node-name*/
| | | | | | +---rw bgp:bgp-redistribute-internal? empty
| | | | | | +---rw bgp:redistribute
| | | | | | +---rw bgp:bgp
| | | | | | | +---rw bgp:redistribute-bgp? empty /*drop-node-
name*/
| | | | | | +---rw bgp:bgp-metric? conn-metric /*alt-name
"metric"*/
| | | | | | +---rw bgp:bgp-route-map? rmap-type /*alt-name
"route-map"*/
| | | | | | +---rw bgp:connected
| | | | | | | +---rw bgp:redistribute-connected? empty /*drop-
node-name*/
| | | | | | +---rw bgp:unicast-metric? conn-metric /
*alt-name "metric"*/
| | | | | | +---rw bgp:redistribute-route-map? rmap-type /*alt-
name "route-map"*/
| | | | | | +---rw bgp:ospf
| | | | | | +---rw bgp:redistribute-ospf? empty /*drop-node-
name*/
| | | | | | +---rw bgp:match
| | | | | | | +---rw bgp:ospf-internal? empty /*alt-name
"internal"*/
| | | | | | | +---rw bgp:ospf-external1? empty /*alt-name
"external1"*/
| | | | | | | +---rw bgp:ospf-external2? empty /*alt-name
"external2"*/
| | | | | | +---rw bgp:ospf-metric? conn-metric /*alt-
name "metric"*/
| | | | | | +---rw bgp:ospf-route-map? rmap-type /*alt-name
"route-map"*/

```

```

+---rw bgp:static
+---rw bgp:redistribute-static?      empty /*drop-
node-name*/
+---rw bgp:unicast-static-metric?    conn-metric /
*alt-name "metric"*/
+---rw bgp:static-route-map?        rmap-type /*alt-
name "route-map"*/
+---rw bgp:aggregate-ipv6-address [aggregate-ip-prefix] /*alt-
name aggregate-address*/
+---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 /*alt-name "weight"*/
+---rw bgp:backdoor?                empty
+---rw bgp:network-route-map?       rmap-type /*alt-name
"route-map"*/
+---rw bgp:neighbor
+---rw bgp:af-ipv6-neighbor-peergroup-holder /*drop-node-
name*/
+---rw bgp:af-ipv6-neighbor-peergroup [af-ipv6-neighbor-
peergroup-name] /*drop-node-name*/
+---rw bgp:af-ipv6-neighbor-peergroup-name bgp-
peergroup /*alt-name "address"*/
+---rw bgp:send-community
+---rw bgp:send-community-status?   empty /*drop-
node-name*/
+---rw bgp:both?                    empty
+---rw bgp:extended?                empty
+---rw bgp:standard?                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 /
*drop-node-name*/
*alt-name "send"*/
*alt-name "receive"*/
+---rw bgp:additional-paths
+---rw bgp:add-path-both?          empty /*drop-node-
name*/
+---rw bgp:send?                    empty
+---rw bgp:receive?                 empty
+---rw bgp:additional-paths
+---rw bgp:advertise
+---rw (ch-additional-paths)?
+---: (ca-best)
+---rw bgp:best?                    additional-paths-best
+---: (ca-all)
+---rw bgp:all?                     empty
+---rw bgp:allowas-in?              uint32
+---rw bgp:activate?                empty
+---rw bgp:filter-list
+---rw bgp:direction-in /*drop-node-name*/
+---rw bgp:filter-list-direction-in-acl-
name? ip-filter-name /*drop-node-name*/
+---rw bgp:filter-list-name-direction-
in? empty /*alt-name "in"*/
+---rw bgp:direction-out /*drop-node-name*/
+---rw bgp:filter-list-direction-out-acl-
name? ip-filter-name /*drop-node-name*/
+---rw bgp:filter-list-name-direction-
out? empty /*alt-name "out"*/
+---rw bgp:maximum-prefix
+---rw bgp:max-prefix-limit?        max-prefix-limit /
*drop-node-name*/
+---rw bgp:threshold-holder /*drop-node-name*/
+---rw bgp:threshold?              max-prefix-threshold /
*drop-node-name*/
+---rw bgp:teardown?               empty
+---rw bgp:default-originate
+---rw bgp:default-originate-status? empty /

```

```

*drop-node-name*/
type /*alt-name "route-map"*/
    +--rw bgp:default-originate-route-map? rmap-
    +--rw bgp:prefix-list
    +--rw bgp:direction-in /*drop-node-name*/
    +--rw bgp:prefix-list-direction-in-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
    +--rw bgp:prefix-list-direction-
in? empty /*alt-name "in"*/
    +--rw bgp:direction-out /*drop-node-name*/
    +--rw bgp:prefix-list-direction-out-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
    +--rw bgp:prefix-list-direction-
out? empty /*alt-name "out"*/
    +--rw bgp:neighbor-route-map /*alt-name "route-map"*/
    +--rw bgp:neighbor-route-map-direction-in /*alt-
name "in"*/
in? common-def:name-string64 /*drop-node-name*/
    +--rw bgp:neighbor-route-map-direction-out /*alt-
name "out"*/
out? common-def:name-string64 /*drop-node-name*/
    +--rw bgp:neighbor-route-map-name-direction-
    +--rw bgp:neighbor-route-map-direction-out /*alt-
name "out"*/
    +--rw bgp:neighbor-route-map-name-direction-
out? common-def:name-string64 /*drop-node-name*/
    +--rw bgp:route-reflector-client? empty
    +--rw bgp:unsuppress-map
    +--rw bgp:map-name? rmap-type /*drop-node-name*/
weight /*alt-name "weight"*/
    +--rw bgp:af-nei-weight? nei-
    +--rw bgp:af-ipv6-neighbor-address-holder /*drop-node-
name*/
    +--rw bgp:af-ipv6-neighbor-address [af-ipv6-neighbor-
address] /*drop-node-name*/
    +--rw bgp:af-ipv6-neighbor-address inet:ipv6-
address /*alt-name "address"*/
    +--rw bgp:send-community
    +--rw bgp:send-community-status? empty /*drop-
node-name*/
    +--rw bgp:both? empty
    +--rw bgp:extended? empty
    +--rw bgp:standard? empty
    +--rw bgp:af-neighbor-capability
    +--rw bgp:orf
    +--rw bgp:prefixlist
    +--rw bgp:prefixlist-status? empty /
*drop-node-name*/
    +--rw bgp:prefixlist-send? empty /*alt-
name "send"*/
    +--rw bgp:prefixlist-receive? empty /*alt-
name "receive"*/
    +--rw bgp:additional-paths
    +--rw bgp:add-path-both? empty /*drop-node-
name*/
    +--rw bgp:send? empty
    +--rw bgp:receive? empty
    +--rw bgp:additional-paths
    +--rw bgp:advertise
    +--rw (ch-additional-paths)?
    +--:(ca-best)
    | +--rw bgp:best? additional-paths-best
    +--:(ca-all)
    | +--rw bgp:all? empty
    +--rw bgp:allowas-in? uint32
    +--rw bgp:activate? empty
    +--rw bgp:filter-list
    +--rw bgp:direction-in /*drop-node-name*/
ip-filter-name /*drop-node-name*/
    +--rw bgp:filter-list-direction-in-acl-name?
empty /*alt-name "in"*/
    +--rw bgp:direction-out /*drop-node-name*/
    +--rw bgp:filter-list-direction-out-acl-
name? ip-filter-name /*drop-node-name*/
    +--rw bgp:filter-list-name-direction-
out? empty /*alt-name "out"*/
    +--rw bgp:maximum-prefix
    +--rw bgp:max-prefix-limit? max-prefix-limit /
*drop-node-name*/
    +--rw bgp:threshold-holder /*drop-node-name*/

```

[illegible]

```

+--rw bgp:graceful-restart-status? empty /*drop-node-
name*/
+--rw bgp:restart-time? rtime-type
+--rw bgp:purge-time? ptime-type
+--rw bgp:stale-routes-time? st-time-type
+--rw bgp:ipv6-ucast-next-hop-recursion? empty /
*alt-name "next-hop-recursion"*/
+--rw bgp:af-ipv6-vrf [af-ipv6-vrf-name] /*alt-name "vrf"*/
+--rw bgp:af-ipv6-vrf-name
string /*alt-name "vrf-name"*/
+--rw bgp:next-hop-recursion? empty
+--rw bgp:graceful-restart-status? empty /
*alt-name graceful-restart*/
+--rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder /*drop-
node-name*/
+--rw bgp:bgp-redistribute-internal? empty
+--rw bgp:redistribute
+--rw bgp:
+--rw bgp:redistribute-bgp? empty /*drop-node-
name*/
+--rw bgp:metric? conn-metric /*alt-name
"metric"*/
+--rw bgp:metric? conn-metric /
+--rw bgp:route-map? rmap-type /*alt-name
"route-map"*/
+--rw bgp:connected
+--rw bgp:redistribute-connected? empty /*drop-
node-name*/
+--rw bgp:unicast-metric? conn-metric /
*alt-name "metric"*/
+--rw bgp:redistribute-route-map? rmap-type /*alt-
name "route-map"*/
+--rw bgp:ospf
+--rw bgp:redistribute-ospf? empty /*drop-node-
name*/
+--rw bgp:match
+--rw bgp:ospf-internal? empty /*alt-name
"internal"*/
+--rw bgp:ospf-external1? empty /*alt-name
"external1"*/
+--rw bgp:ospf-external2? empty /*alt-name
"external2"*/
+--rw bgp:ospf-metric? conn-metric /*alt-
name "metric"*/
+--rw bgp:ospf-route-map? rmap-type /*alt-name
"route-map"*/
+--rw bgp:static
+--rw bgp:redistribute-static? empty /*drop-node-
name*/
+--rw bgp:unicast-static-metric? conn-metric /*alt-
name "metric"*/
+--rw bgp:static-route-map? rmap-type /*alt-
name "route-map"*/
+--rw bgp:aggregate-ipv6-address [aggregate-ip-prefix] /*alt-
name aggregate-address*/
+--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 /
*alt-name "weight"*/
+--rw bgp:backdoor? empty
+--rw bgp:network-route-map? rmap-type /*alt-name
"route-map"*/
+--rw bgp:neighbor
+--rw bgp:af-ipv6-vrf-neighbor-address-holder /*drop-node-
name*/
+--rw bgp:af-ipv6-neighbor-addr [af-ipv6-neighbor-
address] /*drop-node-name*/
+--rw bgp:af-ipv6-neighbor-address inet:ipv6-
address /*alt-name "address"*/
+--rw bgp:associate-peer-group? bgp-
peergroup /*alt-name "peer-group"*/
+--rw bgp:remote-as? bgp-remote-as
+--rw bgp:shutdown

```

```

name*/
| | | | | +---rw bgp:shutdown-status? empty /*drop-node-
| | | | | +---rw bgp:generate-rib-out? empty
| | | | | +---rw bgp:allowas-in? uint32
| | | | | +---rw bgp:activate? empty
| | | | | +---rw bgp:filter-list
| | | | | +---rw bgp:direction-in /*drop-node-name*/
| | | | | +---rw bgp:filter-list-direction-in-acl-
name? ip-filter-name /*drop-node-name*/
in? empty /*alt-name "in"*/
| | | | | +---rw bgp:direction-out /*drop-node-name*/
| | | | | +---rw bgp:filter-list-direction-out-acl-
name? ip-filter-name /*drop-node-name*/
out? empty /*alt-name "out"*/
| | | | | +---rw bgp:maximum-prefix
| | | | | +---rw bgp:max-prefix-limit? max-prefix-limit /
*drop-node-name*/
| | | | | +---rw bgp:threshold-holder /*drop-node-name*/
| | | | | +---rw bgp:threshold? max-prefix-threshold /
*drop-node-name*/
| | | | | +---rw bgp:teardown? empty
| | | | | +---rw bgp:default-originate
| | | | | +---rw bgp:default-originate-status? empty /
*drop-node-name*/
| | | | | +---rw bgp:default-originate-route-map? rmap-
type /*alt-name "route-map"*/
| | | | | +---rw bgp:prefix-list
| | | | | +---rw bgp:direction-in /*drop-node-name*/
| | | | | +---rw bgp:prefix-list-direction-in-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
in? empty /*alt-name "in"*/
| | | | | +---rw bgp:direction-out
| | | | | +---rw bgp:prefix-list-direction-out-prefix-
name? nei-prefix-list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
out? empty /*alt-name "out"*/
| | | | | +---rw bgp:neighbor-route-map /*alt-name "route-
map"*/
| | | | | +---rw bgp:neighbor-route-map-direction-in /*alt-
name "in"*/
| | | | | +---rw bgp:neighbor-route-map-name-direction-
in? common-def:name-string64 /*drop-node-name*/
| | | | | +---rw bgp:neighbor-route-map-direction-out /*alt-
name "out"*/
| | | | | +---rw bgp:neighbor-route-map-name-direction-
out? common-def:name-string64 /*drop-node-name*/
| | | | | +---rw bgp:route-reflector-client? empty
| | | | | +---rw bgp:unsuppress-map
| | | | | +---rw bgp:map-name? rmap-type /*drop-node-
name*/
| | | | | +---rw bgp:af-nei-weight? nei-weight /
*alt-name "weight"*/
| | | | | +---rw bgp:af-vrf-neighbor-capability /*alt-name
"capability"*/
| | | | | +---rw bgp:as4
| | | | | +---rw bgp:neighbor-as4-enable? empty /*alt-
name "enable"*/
| | | | | +---rw bgp:neighbor-as4-disable? empty /*alt-
name "disable"*/
| | | | | +---rw bgp:orf
| | | | | +---rw bgp:prefixlist
| | | | | +---rw bgp:prefixlist-status? empty /
*drop-node-name*/
| | | | | +---rw bgp:prefixlist-send? empty /
*alt-name "send"*/
| | | | | +---rw bgp:prefixlist-receive? empty /
*alt-name "receive"*/
| | | | | +---rw bgp:additional-paths
| | | | | +---rw bgp:add-path-both? empty /*drop-node-
name*/
| | | | | +---rw bgp:send? empty
| | | | | +---rw bgp:receive? empty
| | | | | +---rw bgp:maxas-limit
| | | | | +---rw bgp:in
| | | | | +---rw (ch-maxas-limit)?

```

```

in-as-path /*drop-node-name*/
*alt-name "disable"*/
description
node-name*/
*alt-name "always"*/
*drop-node-name*/
*drop-node-name*/
*drop-node-name*/
*drop-node-name*/
*alt-name "enable"*/
*alt-name "disable"*/
name "keep-alive"*/
name "hold-time"*/
name*/
interval
address /*drop-node-name*/
name*/
*drop-node-name*/
source-ethernet-type /*drop-node-name*/
interface:portchannel-type

+---:(ca-maxas-limit-enable)
| +--rw bgp:num-as-in-as-path? num-as-
+---:(ca-maxas-limit-disable)
| +--rw bgp:maxas-limit-disable? empty /
+--rw bgp:additional-paths
| +--rw bgp:advertise
| +--rw (ch-additional-paths)?
| +---:(ca-best)
| | +--rw bgp:best? additional-paths-best
| +---:(ca-all)
| | +--rw bgp:all? empty neighbor-
+--rw bgp:description?
+--rw bgp:local-as
| +--rw bgp:local-as-value? local-as-num /*drop-
| +--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 /*drop-node-name*/
+--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 /*alt-
| +--rw bgp:nei-hold-time? nei-hold-time /*alt-
+--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 /*drop-node-
| +--rw bgp:holdover-interval? bfd:bfd-holdover-
| +--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:update-source
| +--rw (ch-update-source)?
| +---:(ca-ipv6)
| | +--rw bgp:sip-ipv6-address? sip-ipv6-
| +---:(ca-eth)
| | +--rw bgp:ethernet-interface /*drop-node-
| +--rw bgp:interface-type? enumeration /
| +--rw bgp:ethernet? update-
+---:(ca-port-channel)
| +--rw bgp:port-channel?

```

```

|--: (ca-loopback)                                loopback-
| +--rw bgp:loopback?
interface
|--: (ca-ve)
| +--rw bgp:ve-interface?
interface:ve-type
+--rw bgp:send-community
+--rw bgp:send-community-status?    empty /*drop-
node-name*/
+--rw bgp:both?                    empty
+--rw bgp:extended?                empty
+--rw bgp:standard?                 empty
+--rw bgp:maximum-paths
| +--rw bgp:load-sharing-value?     uint32 /*drop-node-name*/
| +--rw bgp:ebgp?                   ebgp-paths
| +--rw bgp:ibgp?                   ibgp-paths
| +--rw bgp:use-load-sharing?       empty
+--rw bgp:multipath
| +--rw bgp:multipath_ebgp?         empty /*alt-name "ebgp"*/
| +--rw bgp:multipath_ibgp?        empty /*alt-name "ibgp"*/
| +--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 /*drop-node-
name*/
|   |--: (ca-dampening-specify-values)
|   | +--rw bgp:values /*drop-node-name*/
|   | +--rw bgp:half-time?            htime /*drop-
node-name*/
|   +--rw bgp:reuse-value?           damp-reuse-
value /*drop-node-name*/
|   +--rw bgp:start-suppress-time?    damp-start-
suppress-value /*drop-node-name*/
|   +--rw bgp:max-suppress-time?      damp-max-
suppress-value /*drop-node-name*/
|   |--: (ca-dampening-route-map)
|   | +--rw bgp:dampening-route-map? rmap-type /*alt-
name "route-map"*/
|   +--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 /*drop-node-
name*/; /*alt-name "route-map"*/
| +--rw bgp:update-time?
update-time-type
+--rw bgp:l2vpn
+--rw bgp:evpn?
+--rw bgp:client-to-client-reflection? empty
+--rw bgp:graceful-restart
| +--rw bgp:graceful-restart-status?   empty /*drop-node-name*/
| +--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:neighbor
| +--rw bgp:evpn-peer-group [evpn-neighbor-peergroup-name]
| +--rw bgp:evpn-neighbor-peergroup-name bgp-peergroup
| +--rw bgp:activate?                  empty
| +--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:route-map
| +--rw bgp:direction-in /*alt-name "in"*/
| +--rw bgp:route-map-name-direction-in? common-
def:name-string64 /*drop-node-name*/
| +--rw bgp:direction-out /*alt-name "out"*/
| +--rw bgp:route-map-name-direction-out? common-
```

```

def:name-string64 /*drop-node-name*/
| | | +--rw bgp:send-community
| | | +--rw bgp:send-community-status? empty /*drop-node-
name*/
| | | +--rw bgp:both? empty
| | | +--rw bgp:extended? empty
| | | +--rw bgp:standard? empty
| | | +--rw bgp:evpn-neighbor-ipv4 [evpn-neighbor-ipv4-address] /
*drop-node-name*/
| | | +--rw bgp:evpn-neighbor-ipv4-address inet:ipv4-address
| | | +--rw bgp:activate? empty
| | | +--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:route-map
| | | | +--rw bgp:direction-in /*alt-name "in"*/
| | | | +--rw bgp:route-map-name-direction-in? common-
def:name-string64 /*drop-node-name*/
| | | +--rw bgp:direction-out /*alt-name "out"*/
| | | +--rw bgp:route-map-name-direction-out? common-
def:name-string64 /*drop-node-name*/
| | | +--rw bgp:send-community
| | | +--rw bgp:send-community-status? empty /*drop-node-
name*/
| | | +--rw bgp:both? empty
| | | +--rw bgp:extended? empty
| | | +--rw bgp:standard? empty
| | | +--rw bgp:evpn-neighbor-ipv6 [evpn-neighbor-ipv6-address] /
*drop-node-name*/
| | | +--rw bgp:evpn-neighbor-ipv6-address inet:ipv6-address
| | | +--rw bgp:activate? empty
| | | +--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:route-map
| | | | +--rw bgp:direction-in /*alt-name "in"*/
| | | | +--rw bgp:route-map-name-direction-in? common-
def:name-string64 /*drop-node-name*/
| | | +--rw bgp:direction-out /*alt-name "out"*/
| | | +--rw bgp:route-map-name-direction-out? common-
def:name-string64 /*drop-node-name*/
| | | +--rw bgp:send-community
| | | +--rw bgp:send-community-status? empty /*drop-node-
name*/
| | | +--rw bgp:both? empty
| | | +--rw bgp:extended? empty
| | | +--rw bgp:standard? empty

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw bgp:esi
| | | +--rw bgp:value? esi-value /*drop-node-name*/
| | | +--rw bgp:auto? esi-auto-value

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id
+--rw bgp:evpn-instance [instance-name]
| +--rw bgp:instance-name evpn-type
| +--rw bgp:route-target
| | +--rw bgp:import [target-community]
| | | +--rw bgp:target-community rt-type
| | | +--rw bgp:ignore-as? empty
| | +--rw bgp:export [target-community]
| | | +--rw bgp:target-community rt-type
| | +--rw bgp:both [target-community]
| | | +--rw bgp:target-community rt-type
| | | +--rw bgp:ignore-as? empty
| +--rw bgp:route-distinguisher /*alt-name "rd"*/
| | +--rw (ch-rd-type)?
| | | +--rw (ca-rd-auto)
| | | +--rw bgp:auto? empty
| +--rw bgp:df-delay-timer? delay-timer

```

```

| +--rw bgp:duplicate-mac-timer
| | +--rw bgp:duplicate-mac-timer-value?   dup-mac-timer /*drop-node-name*/
| | +--rw bgp:max-count?                   max-count
| +--rw bgp:vni
| | +--rw bgp:vni-add /*drop-node-name*/
| | | +--rw bgp:add?      evpn-vni-range
| | | +--rw bgp:remove?   evpn-vni-range
| | +--rw bgp:evpn-vni [vni-number] /*drop-node-name*/
| | | +--rw bgp:vni-number      vni-type
| | | +--rw bgp:rd?            rd-type
| | +--rw bgp:route-target
| | | +--rw bgp:import [target-community]
| | | | +--rw bgp:target-community      rd-rt-type
| | | +--rw bgp:export [target-community]
| | | | +--rw bgp:target-community      rd-rt-type
| | | +--rw bgp:both [target-community]
| | | | +--rw bgp:target-community      rd-rt-type

```

History

Release version	History
6.0.1	This YANG Module was modified.
7.0.0	This YANG Module was modified to include the following: • Container <i>esi</i> was added in augment to /interface:interface/interface:port-channel. • Container <i>auto</i> containing leaf <i>auto-value-assignee</i> and leaf <i>value</i> was added within container <i>esi</i>. • Leaf <i>auto-shutdown-new-neighbors</i> was added within container <i>bfd</i>. • Case <i>ca-port-channel</i> containing leaf <i>port-channel</i> was added within container <i>update-source</i>. • Leaves <i>add-path-both</i>, <i>send</i>, and <i>receive</i> were added under container <i>additional-paths</i> within grouping <i>capability-additional-paths</i>. • Cases <i>ca-best</i> and <i>ca-all</i> were added within <i>additional-paths</i> (container) - > <i>advertise</i> (container) under grouping <i>advertise-additional-paths</i>. • List <i>evpn-instance</i> was added in augment to /rbridge:rbridge-id • Type <i>esi-auto-value</i> was added to leaf <i>auto</i> under container <i>esi</i> in augment to /interface:interface/interface:port-channel

brocade-bprate-limit

Provides a data model for configuring the BP rate limit.

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw bprate-limit:bp-rate-limit
  |   +--rw bprate-limit:heavy
  |   +--rw bprate-limit:module
  |       +--rw bprate-limit:add?      ui32-slot-range
  |       +--rw bprate-limit:remove?   ui32-slot-range
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: Leaves <i>add</i> and <i>remove</i> were added in augment to brocade-rbridge -> <i>bp-rate-limit</i> (container) -> <i>heavy</i> (container) -> <i>module</i> (container).

brocade-bum-storm-control

Provides a data model for controlling traffic storms.

A traffic storm occurs when packets flood the LAN, creating excessive traffic and degrading network performance. The BUM storm control feature is meant to prevent disruptions on Layer 2 physical ports caused by excessive ingress broadcast, unknown unicast, and multicast traffic. BUM Storm control allows you to limit the amount of BUM traffic admitted to the system.

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   |   +--rw bum-storm-control:storm-control
  |   |   |   +--rw bum-storm-control:ingress [protocol-type]
  |   |   |   +--rw bum-storm-control:protocol-type enumeration /*drop-node-
  |   |   name*/
  |   |   |   +--rw bum-storm-control:rate-format? enumeration /*drop-node-
  |   |   name*/
  |   |   |   +--rw bum-storm-control:rate-bps? bps-rate-limit /*drop-node-
  |   |   name*/
  |   |   |   +--rw bum-storm-control:rate-percent? percentage-rate-limit /*drop-
  |   |   node-name*/
  |   |   |   +--rw bum-storm-control:bum-action? enumeration /*drop-node-
  |   |   name*/
  |   |   +--rw tengigabitethernet [name]
  |   |   |   +--rw bum-storm-control:storm-control
  |   |   |   |   +--rw bum-storm-control:ingress [protocol-type]
  |   |   |   |   +--rw bum-storm-control:protocol-type enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-format? enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-bps? bps-rate-limit /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-percent? percentage-rate-limit /*drop-
  |   |   |   node-name*/
  |   |   |   |   +--rw bum-storm-control:bum-action? enumeration /*drop-node-
  |   |   |   name*/
  |   |   +--rw fortygigabitethernet [name]
  |   |   |   +--rw bum-storm-control:storm-control
  |   |   |   |   +--rw bum-storm-control:ingress [protocol-type]
  |   |   |   |   +--rw bum-storm-control:protocol-type enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-format? enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-bps? bps-rate-limit /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-percent? percentage-rate-limit /*drop-
  |   |   |   node-name*/
  |   |   |   |   +--rw bum-storm-control:bum-action? enumeration /*drop-node-
  |   |   |   name*/
  |   |   +--rw hundredgigabitethernet [name]
  |   |   |   +--rw bum-storm-control:storm-control
  |   |   |   |   +--rw bum-storm-control:ingress [protocol-type]
  |   |   |   |   +--rw bum-storm-control:protocol-type enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-format? enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-bps? bps-rate-limit /*drop-node-
  |   |   |   name*/
  |   |   |   |   +--rw bum-storm-control:rate-percent? percentage-rate-limit /*drop-
  |   |   |   node-name*/
  |   |   |   |   +--rw bum-storm-control:bum-action? enumeration /*drop-node-
  |   |   |   name*/
  |   name*/

```

brocade-cdp

Provides a data model for enabling or disabling the Cisco Discovery Protocol (CDP).

External augmentations

```
module: brocade-interface
  +--rw protocol
  |   +--rw cdp:cdp?
```

brocade-cee-map

Provides a data model for managing the Converged Enhanced Ethernet (CEE) map.

Top-level container

```
module: brocade-cee-map
  +--rw cee-map [name]
    +--rw name cee-map-name-type /*drop-node-name*/
    +--rw precedence? int32
    +--rw priority-group-table [PGID]
      | +--rw PGID qos-type-PGID /*drop-node-name*/
      | +--rw weight? int32
      | +--rw pfc enumeration
    +--rw priority-table
      | +--rw map-cos0-pgid? string /*drop-node-name*/
      | +--rw map-cos1-pgid? string /*drop-node-name*/
      | +--rw map-cos2-pgid? string /*drop-node-name*/
      | +--rw map-cos3-pgid? string /*drop-node-name*/
      | +--rw map-cos4-pgid? string /*drop-node-name*/
      | +--rw map-cos5-pgid? string /*drop-node-name*/
      | +--rw map-cos6-pgid? string /*drop-node-name*/
      | +--rw map-cos7-pgid? string /*drop-node-name*/
    +--rw remap
      +--rw fabric-priority
      | +--rw fabric-remapped-priority? int32 /*alt-name:priority*/
      +--rw lossless-priority
      | +--rw lossless-remapped-priority? int32 /*alt-name:priority*/
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: Type of leaf <i>name</i> under the list <i>cee-map</i> was changed from <i>common-def:name-string32</i> to <i>cee-map-name-type</i>.

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
    +--rw import
```

External augmentations

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

Actions

Import an LDAP CA certificate:

```
module: brocade-certutil
  +--rw certutil
    +--rw import
      +--ro ldapca
        | +--ro input
        | | +--ro protocol enumeration
        | | +--ro user string
        | | +--ro password? string
        | | +--ro host string
        | | +--ro directory string
        | | +--ro file string
        | | +--ro rbridge-id? common-def:rbridge-id-all-type
```

Import a syslog server CA certificate:

```
module: brocade-certutil
  +--rw certutil
    +--rw import
      +--ro syslogca
        | +--ro input
        | | +--ro protocol enumeration
        | | +--ro user string
        | | +--ro password? string
        | | +--ro host string
        | | +--ro directory string
        | | +--ro file string
        | | +--ro rbridge-id? common-def:rbridge-id-all-type
        | +--ro output
```

Import an SSH public key:

```
module: brocade-certutil
  +--rw certutil
    +--rw import
      +--ro sshkey
        +--ro input
        | +--ro user string
        | +--ro host string
        | +--ro directory string
        | +--ro file string
        | +--ro login string
        | +--ro password? string
```

```

| +--ro rbridge-id?    common-def:rbridge-id-all-type
+--ro output

```

Remove an LDAP CA certificate:

```

module: brocade-common-def
+--rw no
| +--rw certutil:certutil
| | +--ro certutil:ldapca
| | | +--ro certutil:input
| | | | +--ro certutil:rbridge-id?    common-def:rbridge-id-all-type
| | | | +--ro certutil:output

```

Remove a syslog server CA certificate:

```

module: brocade-common-def
+--rw no
| +--rw certutil:certutil
| | +--ro certutil:syslogca
| | | +--ro certutil:input
| | | | +--ro certutil:rbridge-id?    common-def:rbridge-id-all-type
| | | | +--ro certutil:output

```

Remove an SSH public key:

```

module: brocade-common-def
+--rw no
| +--rw certutil:certutil
| | +--ro certutil:sshkey
| | | +--ro certutil:input
| | | | +--ro certutil:user          string
| | | | +--ro certutil:rbridge-id?    common-def:rbridge-id-all-type
| | | | +--ro certutil:output

```

Show the LDAP CA certificate:

```

module: brocade-common-def
+--rw show
| +--rw certutil:cert-util
| | +--ro certutil:ldapcacert
| | | +--ro certutil:input
| | | | +--ro certutil:rbridge-id?    common-def:rbridge-id-all-type
| | | | +--ro certutil:output

```

Show the syslog server CA certificate:

```

module: brocade-common-def
+--rw show
| +--rw certutil:cert-util
| | +--ro certutil:syslogcacert
| | | +--ro certutil:input
| | | | +--ro certutil:rbridge-id?    common-def:rbridge-id-all-type
| | | | +--ro certutil:output

```

Show the SSH public key:

```

module: brocade-common-def
+--rw show
| +--rw certutil:cert-util
| | +--ro certutil:sshkey
| | | +--ro certutil:input
| | | | +--ro certutil:user          string
| | | | +--ro certutil:rbridge-id?    common-def:rbridge-id-all-type
| | | | +--ro certutil:output

```

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 /*alt-name:virtual-ip*/
  |   |   |   +--ro virtual-oper-Vip-address?    common-def:ipv4-address-prefix-type /
  |   |   |   *alt-name:v4*/
  |   |   |   |   +--ro virtual-oper-VipV6-address*    string /*alt-name:v6*/
  |   +--rw chassis
  |   +--rw beacon
  |   +--rw fan
  |   +--rw airflow-direction
```

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  |   +--rw chassis:chassis
  |   |   +--rw chassis:virtual-ip?      common-def:ipv4-prefix-mask
  |   |   +--rw chassis:virtual-ipv6?    common-def:ipv6-address-prefix
  |   |   +--rw chassis:oper-address /*alt-name:virtual-ip*/
  |   |   |   +--ro chassis:virtual-oper-Vip-address?    common-def:ipv4-address-
  |   |   |   prefix-type /*alt-name:v4*/
  |   |   |   |   +--ro chassis:virtual-oper-VipV6-address*    string /*alt-name:v6*/
```

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
  +--rw clock-set-timezone
  +--rw clock-sa /*drop-node-name*/
    +--rw clock
      +--rw timezone?   common-def:timezone
```

External augmentations

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

RPCs

Retrieve local clock information:

```
+---x show-clock
  +--ro input
  | +--ro rbridge-id?   common-def:rbridge-id-all-type
  +--ro output
    +--ro clock-time
      +--ro rbridge-id-out?   common-def:rbridge-id-type
      +--ro current-time?    ietfyang:date-and-time
      +--ro timezone?        string
```

Actions

Set the date and time:

```
module: brocade-clock
  +--rw clock-set-datetime
  | +--ro clock
  | | +--ro input
  | | | +--ro set   ietfyang:date-and-time
  | | | +--ro rbridge-id?   common-def:rbridge-id-all-type
  | | +--ro output
```

Set the time zone:

```
module: brocade-clock
  +--rw clock-set-timezone
  +--ro clock
    +--ro input
    | +--ro timezone   common-def:timezone
    | +--ro rbridge-id?   common-def:rbridge-id-all-type
    +--ro output
```

Retrieving the time zone:

```
module: brocade-common-def
  +--rw no
  | +--rw clock-server:clock
  | | +--ro clock-server:timezone
  | | | +--ro clock-server:input
  | | | | +--ro clock-server:rbridge-id?   common-def:rbridge-id-all-type
  | | | +--ro clock-server:output
```

brocade-common-def

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

Top-level container

```
module: brocade-common-def
  +--rw show
  |   +--rw defaults
  +--rw clear
  +--rw no
  +--rw ip
  +--rw ipv6
  +--rw router
```

brocade-crypto

Configures Crypto services for HTTPS certificate management.

External augmentations

```

+--rw rbridge-id [rbridge-id]
+--rw brcd-crypto:crypto
|   +--rw brcd-crypto:key [label]
|   |   +--rw brcd-crypto:label      string
|   |   +--rw brcd-crypto:type?     key-type /*drop-node-name*/
|   |   +--rw brcd-crypto:modulus?  uint32
|   +--rw brcd-crypto:ca [trustpoint]
|       +--rw brcd-crypto:trustpoint  string
|       +--rw brcd-crypto:keypair?    string

```

brocade-crypto-ext

Configures Crypto services for HTTPS certificate management.

Top-level container

```
module: brocade-crypto-ext
  +--rw crypto
    +--rw ca
```

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw brcd-crypto-ext:crypto
  |   |   +--rw brcd-crypto-ext:key
  |   |   +--rw brcd-crypto-ext:ca

module: brocade-common-def
  +--rw no
  |   +--rw brcd-crypto-ext:nocrypto
  |   |   +--rw brcd-crypto-ext:ca
```

Actions

```
+--rw crypto
  +--rw ca
    +--ro authenticate
    |   +--ro input
    |   |   +--ro authenticate_params /*drop-node-name*/
    |   |   |   +--ro trustpoint      string /*drop-node-name*/
    |   |   |   +--ro protocol        enumeration
    |   |   |   +--ro user            string
    |   |   |   +--ro password?       string
    |   |   |   +--ro host            inet:host
    |   |   |   +--ro directory       string
    |   |   |   +--ro rbridge-id?     common-def:rbridge-id-all-type
    |   |   |   +--ro file            string
    |   +--ro enroll
    |   |   +--ro input
    |   |   |   +--ro authenticate_params /*drop-node-name*/
    |   |   |   |   +--ro trustpoint      string /*drop-node-name*/
    |   |   |   |   +--ro country        string
    |   |   |   |   +--ro state          string
    |   |   |   |   +--ro locality       string
    |   |   |   |   +--ro organization   string
    |   |   |   |   +--ro orgunit        string
    |   |   |   |   +--ro common         inet:host
    |   |   |   |   +--ro protocol       enumeration
    |   |   |   |   +--ro user           string
    |   |   |   |   +--ro password?     string
    |   |   |   |   +--ro host          inet:host
    |   |   |   |   +--ro directory     string
    |   |   |   |   +--ro rbridge-id?   common-def:rbridge-id-all-type
    |   |   +--ro import
    |   |   |   +--ro input
    |   |   |   |   +--ro authenticate_params /*drop-node-name*/
    |   |   |   |   |   +--ro trustpoint      string /*drop-node-name*/
    |   |   |   |   |   +--ro certificate     empty
    |   |   |   |   |   +--ro protocol        enumeration
    |   |   |   |   |   +--ro user            string
    |   |   |   |   |   +--ro password?       string
    |   |   |   |   |   +--ro host            inet:host
    |   |   |   |   |   +--ro directory       string
    |   |   |   |   |   +--ro rbridge-id?     common-def:rbridge-id-all-type
    |   |   |   |   |   +--ro file            string
    +--ro show

module: brocade-common-def
  +--rw show
```

```

|   +--rw brcd-crypto-ext:crypto
|   |   +--rw brcd-crypto-ext:key
|   |   |   +--ro brcd-crypto-ext:mypubkey
|   |   |   +--ro brcd-crypto-ext:input
|   |   |   +--ro brcd-crypto-ext:rbridge-id?    common-def:rbridge-id-all-type
|   |   +--rw brcd-crypto-ext:ca
|   |   |   +--ro brcd-crypto-ext:trustpoint
|   |   |   |   +--ro brcd-crypto-ext:input
|   |   |   |   +--ro brcd-crypto-ext:rbridge-id?    common-def:rbridge-id-all-type
|   |   |   +--ro brcd-crypto-ext:certificates
|   |   |   +--ro brcd-crypto-ext:input
|   |   |   +--ro brcd-crypto-ext:rbridge-id?    common-def:rbridge-id-all-type
|
module: brocade-common-def
+--rw no
|   +--rw brcd-crypto-ext:nocrypto /*alt-name:crypto*/
|   |   +--rw brcd-crypto-ext:ca
|   |   |   +--ro brcd-crypto-ext:authenticate
|   |   |   |   +--ro brcd-crypto-ext:input
|   |   |   |   +--ro brcd-crypto-ext:authenticate_params /*drop-node-name*/
|   |   |   |   +--ro brcd-crypto-ext:trustpoint    string /*drop-node-name*/
|   |   |   +--ro brcd-crypto-ext:rbridge-id?    common-def:rbridge-id-all-
type
|   |   +--ro brcd-crypto-ext:import
|   |   |   +--ro brcd-crypto-ext:input
|   |   |   +--ro brcd-crypto-ext:authenticate_params
|   |   |   +--ro brcd-crypto-ext:trustpoint    string
|   |   |   +--ro brcd-crypto-ext:certificate    empty
|   |   |   +--ro brcd-crypto-ext:rbridge-id?    common-def:rbridge-id-all-
type

```

brocade-dai

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

Top-level container

```
module: brocade-dai
  +--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] /*alt-name:"ip"*/
          +--rw ip-type      enumeration
          +--rw host-ip      inet:ipv4-address
          +--rw mac-type     enumeration /*alt-name:mac*/
          +--rw host-mac     string
          +--rw log?         empty
```

External augmentations

```
module: brocade-interface
  +--rw interface
    | +--rw gigabitethernet [name]
    | | +--rw ip
    | | | +--rw dai:arp-node-config /*drop-node-name*/
    | | | | +--rw dai:arp
    | | | | +--rw dai:inspection
    | | | | +--rw dai:trust?      empty
```

```
module: brocade-interface
  +--rw interface
    | +--rw tengigabitethernet [name]
    | | +--rw ip
    | | | +--rw dai:arp-node-config /*drop-node-name*/
    | | | | +--rw dai:arp
    | | | | +--rw dai:inspection
    | | | | +--rw dai:trust?      empty
```

```
module: brocade-interface
  +--rw interface
    +--rw fortygigabitethernet [name]
    | | +--rw ip
    | | | +--rw dai:arp-node-config /*drop-node-name*/
    | | | | +--rw dai:arp
    | | | | +--rw dai:inspection
    | | | | +--rw dai:trust?      empty
```

```
module: brocade-interface
  +--rw interface
    +--rw hundredgigabitethernet [name] /*drop-node-name*/
    | | +--rw ip
    | | | +--rw dai:arp-node-config
    | | | | +--rw dai:arp
    | | | | +--rw dai:inspection
    | | | | +--rw dai:trust?      empty
```

```
module: brocade-interface
  +--rw interface
    | +--rw port-channel [name]
    | | +--rw ip
    | | | +--rw dai:arp
    | | | | +--rw dai:inspection
    | | | | +--rw dai:trust?      empty
```

```
module: brocade-interface
  +--rw interface-vlan
```

```

|   +--rw interface
|   |   +--rw vlan [name]
|   |   |   +--rw ip
|   |   |   |   +--rw dai:arp
|   |   |   |   |   +--rw dai:inspection
|   |   |   |   |   |   +--rw dai:trust?      empty /*drop-node-name*/
|   |   |   |   |   |   +--rw dai:filter
|   |   |   |   |   |   |   +--rw dai:acl-name?  dai-acl-policy-name /*drop-node-name*/
|   |   |   |   |   |   +--rw dai:logging
|   |   |   |   |   |   |   +--rw dai:acl-match?  enumeration

```

History

Release version	History
6.0.1	This YANG module was introduced.

brocade-default-config

Enables default configuration commands.

External augmentations

```
+++rw rbridge-id [rbridge-id]
+++rw brocade-default-config:default-config
|   +++rw brocade-default-config:enable?    empty
```

brocade-dhcp

Provides a data model to manage DHCP functionality.

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw ip
  |   +--rw dhcp:dhcp
  |   |   +--rw dhcp:relay
  |   |   +--rw dhcp:information
  |   |   +--rw dhcp:option? empty

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id                               uint32
  +--ro brocade-interface:interface
  |   +--ro brocade-interface:ve [name]
  |   |   +--ro ip-config:ip
  |   |   |   +--ro dhcp:interface-ve-dhcp-conf /*drop-node-name*/
  |   |   |   +--ro dhcp:dhcp
  |   |   |   +--ro dhcp:relay
  |   |   |   +--ro dhcp:servers [relay-ip-addr server-vrf-name] /*drop-
node-name*/
  |   |   |   |   +--ro dhcp:relay-ip-addr      dhcp-ipv4-address /*alt-
name:"address"*/
  |   |   |   |   +--ro dhcp:server-vrf-name    common-def:vrf-name /*alt-
name:"use-vrf"*/
  |   |   |   +--ro dhcp:gateway?      dhcp-ipv4-address

module: brocade-interface
  +--rw interface
  |   +--rw hundredgigabitethernet [name]
  |   |   +--rw ip
  |   |   |   +--rw dhcp:interface-hu-dhcp-conf /*drop-node-name*/
  |   |   |   +--rw dhcp:dhcp
  |   |   |   +--rw dhcp:relay
  |   |   |   +--rw dhcp:servers [relay-ip-addr server-vrf-name]
  |   |   |   |   +--rw dhcp:relay-ip-addr      dhcp-ipv4-address /*alt-
name:"address"*/
  |   |   |   |   +--rw dhcp:server-vrf-name    common-def:vrf-name /*alt-
name:"use-vrf"*/
  |   |   |   +--rw dhcp:gateway?      dhcp-ipv4-address

module: brocade-interface
  +--rw interface
  |   +--rw fortygigabitethernet [name]
  |   |   +--rw ip
  |   |   |   +--rw dhcp:interface-fo-dhcp-conf /*drop-node-name*/
  |   |   |   +--rw dhcp:dhcp
  |   |   |   +--rw dhcp:relay
  |   |   |   +--rw dhcp:servers [relay-ip-addr server-vrf-name]
  |   |   |   |   +--rw dhcp:relay-ip-addr      dhcp-ipv4-address /*alt-
name:"address"*/
  |   |   |   |   +--rw dhcp:server-vrf-name    common-def:vrf-name /*alt-
name:"use-vrf"*/
  |   |   |   +--rw dhcp:gateway?      dhcp-ipv4-address

module: brocade-interface
  +--rw interface
  |   +--rw tengigabitethernet [name]
  |   |   +--rw ip
  |   |   |   +--rw dhcp:interface-te-dhcp-conf /*drop-node-name*/
  |   |   |   +--rw dhcp:dhcp
  |   |   |   +--rw dhcp:relay
  |   |   |   +--rw dhcp:servers [relay-ip-addr server-vrf-name]
  |   |   |   |   +--rw dhcp:relay-ip-addr      dhcp-ipv4-address /*alt-
name:"address"*/

```

```

    +-rw dhcp:server-vrf-name      common-def:vrf-name /*alt-  
name:"use-vrf"*/  
| | | | +-rw dhcp:gateway?     dhcp-ipv4-address  
  
module: brocade-interface  
+-rw interface  
| +-rw gigabitethernet [name]  
| | +-rw ip  
| | | +-rw dhcp:interface-gi-dhcp-conf /*drop-node-name*/  
| | | +-rw dhcp:dhcp  
| | | +-rw dhcp:relay  
| | | +-rw dhcp:servers [relay-ip-addr server-vrf-name]  
| | | +-rw dhcp:relay-ip-addr       dhcp-ipv4-address /*alt-  
name:"address"*/  
| | | +-rw dhcp:server-vrf-name      common-def:vrf-name /*alt-  
name:"use-vrf"*/  
| | | +-rw dhcp:gateway?           dhcp-ipv4-address  
  
module: brocade-interface  
+-rw interface  
| +-rw port-channel [name]  
| | +-rw ip  
| | | +-rw dhcp:interface-po-dhcp-conf /*drop-node-name*/  
| | | +-rw dhcp:dhcp  
| | | +-rw dhcp:relay  
| | | +-rw dhcp:servers [relay-ip-addr server-vrf-name]  
| | | +-rw dhcp:relay-ip-addr       dhcp-ipv4-address /*alt-  
name:"address"*/  
| | | +-rw dhcp:server-vrf-name      common-def:vrf-name /*alt-  
name:"use-vrf"*/  
| | | +-rw dhcp:gateway?           dhcp-ipv4-address
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>option</i> was added in augment to brocade-rbridge within <i>dhcp</i> (container) -> <i>relay</i> (container) -> <i>information</i> (container). • Leaf <i>gateway</i> was added in augment to /rbridge:bridge-id/interface:interface/interface:ve/ip-config:ip within <i>interface-ve-dhcp</i> (container) -> <i>dhcp</i> (container) -> <i>relay</i> (container). • Leaf <i>gateway</i> was added within <i>interface-fo-dhcp-conf</i> (container) -> <i>dhcp</i> (container) -> <i>relay</i> (container) in augment to /interface:interface/interface:fortygigabitethernet/interface:ip. • Leaf <i>gateway</i> was added within <i>interface-hu-dhcp</i> (container) -> <i>dhcp</i> (container) -> <i>relay</i> (container) in augment to /interface:interface/interface:hundredgigabitethernet/interface:ip. • Leaf <i>gateway</i> was added within <i>interface-te-dhcp</i> (container) -> <i>dhcp</i> (container) -> <i>relay</i> (container) in augment to /interface:interface/interface:tengigabitethernet/interface:ip. • Leaf <i>gateway</i> was added within <i>interface-gi-dhcp</i> (container) -> <i>dhcp</i> (container) -> <i>relay</i> (container) in augment to /interface:interface/interface:gigabitethernet/interface:ip.
7.0.0	This YANG module was modified to include the following: • Support for interface port-channel.

brocade-dhcpv6

Provides a data model to manage DHCPv6 functionality.

External augmentations

```

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id uint32
+--ro brocade-interface:interface
| +--ro brocade-interface:ve [name]
| | +--ro ipv6-config:ipv6
| | | +--ro dhcpv6:interface-ve-dhcp-conf /*drop-node-name*/
| | | +--ro dhcpv6:dhcp
| | | | +--ro dhcpv6:relay
| | | | +--ro dhcpv6:servers [relay-ip-addr] /*drop-node-name*/
| | | | +--ro dhcpv6:relay-ip-addr dhcp-ipv6-address /*alt-
name:"address"*/
| | | | +--ro dhcpv6:server-vrf-name? common-def:vrf-name /*alt-
name:"use-vrf"*/
| | | | +--ro dhcpv6:interface
| | | | | +--ro dhcpv6:interface-type? dhcpv6-ifttype /*drop-
node-name*/
| | | | | +--ro dhcpv6:interface-name? dhcpv6-ifname /*drop-
node-name*/

module: brocade-interface
+--rw interface
| +--rw gigabitethernet [name]
| | +--rw ipv6
| | | +--rw dhcpv6:interface-phy-dhcp-conf /*drop-node-name*/
| | | +--rw dhcpv6:dhcp
| | | | +--rw dhcpv6:relay
| | | | +--rw dhcpv6:servers [relay-ip-addr] /*drop-node-name*/
| | | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address /*alt-
name:"address"*/
| | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name /*alt-
name:"use-vrf"*/
| | | | +--rw dhcpv6:interface
| | | | | +--rw dhcpv6:interface-type? dhcpv6-ifttype /*drop-node-
name*/; /*alt-name:"interface"*/
| | | | +--rw dhcpv6:interface-name? dhcpv6-ifname /*drop-node-
name*/

module: brocade-interface
+--rw interface
| +--rw tengigabitethernet [name]
| | +--rw ipv6
| | | +--rw dhcpv6:interface-phy-dhcp-conf /*drop-node-name*/
| | | +--rw dhcpv6:dhcp
| | | | +--rw dhcpv6:relay
| | | | +--rw dhcpv6:servers [relay-ip-addr] /*drop-node-name*/
| | | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address /*alt-
name:"address"*/
| | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name /*alt-
name:"use-vrf"*/
| | | | +--rw dhcpv6:interface
| | | | | +--rw dhcpv6:interface-type? dhcpv6-ifttype /*drop-node-
name*/; /*alt-name:"interface"*/
| | | | +--rw dhcpv6:interface-name? dhcpv6-ifname /*drop-node-
name*/

module: brocade-interface
+--rw interface
| +--rw fortygigabitethernet [name]
| | +--rw ipv6
| | | +--rw dhcpv6:interface-phy-dhcp-conf /*drop-node-name*/
| | | +--rw dhcpv6:dhcp
| | | | +--rw dhcpv6:relay
| | | | +--rw dhcpv6:servers [relay-ip-addr] /*drop-node-name*/
| | | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address /*alt-

```

```

name:"address"*/
| | | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name /*alt-
name:"use-vrf"*/
| | | | | +--rw dhcpv6:interface
| | | | | +--rw dhcpv6:interface-type? dhcpv6-ifttype /*drop-node-
name*/; /*alt-name:"interface"*/
| | | | | +--rw dhcpv6:interface-name? dhcpv6-ifname /*drop-node-
name*/

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw ipv6
| | | +--rw dhcpv6:interface-phy-dhcp-conf /*drop-node-name*/
| | | +--rw dhcpv6:dhcp
| | | +--rw dhcpv6:relay
| | | +--rw dhcpv6:servers [relay-ip-addr] /*drop-node-name*/
| | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address /*alt-
name:"address"*/
| | | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name
| | | | | +--rw dhcpv6:interface
| | | | | +--rw dhcpv6:interface-type? dhcpv6-ifttype /*drop-node-
name*/; /*alt-name:"interface"*/
| | | | | +--rw dhcpv6:interface-name? dhcpv6-ifname /*drop-node-
name*/

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw ipv6
| | | +--rw dhcpv6:interface-po-dhcp-conf /*drop-node-name*/
| | | +--rw dhcpv6:dhcp
| | | +--rw dhcpv6:relay
| | | +--rw dhcpv6:servers [relay-ip-addr] /*drop-node-name*/
| | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address /*alt-
name:"address"*/
| | | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name
| | | | | +--rw dhcpv6:interface
| | | | | +--rw dhcpv6:interface-type? dhcpv6-ifttype /*drop-node-
name*/; /*alt-name:"interface"*/
| | | | | +--rw dhcpv6:interface-name? dhcpv6-ifname /*drop-node-
name*/

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: Support for interface port-channel.

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 1](#).

TABLE 1 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
  |   +--rw post
  +--rw fos
```

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw diagnostics:diag
  |   |   +--rw diagnostics:post
```

Actions

Run the turbo RAM test:

```
module: brocade-diagnostics
  +--rw diag
  |   +--ro turboramtest
  |   |   +--ro input
  |   |   |   +--ro slot          slotidtype
  |   |   |   +--ro passcnt?     uint32
  |   |   +--ro output
  |   |   +--ro result?         string
```

Run the port loopback test:

```
module: brocade-diagnostics
+--rw diag
| +--ro portloopbacktest
| | +--ro input
| | | +--ro (interfaces)?
| | | | +--:(slot)
| | | | | +--ro slot slotidtype
| | | | | +--:(ethernet)
| | | | | +--ro ethernet? interfaces:interface-type
| | | | | +--:(fibrenchannel)
| | | | | +--ro fibrenchannel? interfaces:interface-type
| | | +--ro nframes? uint32
| | | +--ro lbmode? uint32
| | | +--ro spdmode? enumeration
| | +--ro output
| | | +--ro result? string
```

Run the port LED test:

```
module: brocade-diagnostics
+--rw diag
| +--ro portledtest
| | +--ro input
| | | +--ro (interfaces)?
| | | | +--:(slot)
| | | | | +--ro slot slotidtype
| | | | | +--:(ethernet)
| | | | | +--ro ethernet? interfaces:interface-type
| | | | | +--:(fibrenchannel)
| | | | | +--ro fibrenchannel? interfaces:interface-type
| | | +--ro action? enumeration
| | | +--ro npass? uint32
| | +--ro output
| | | +--ro result? string
```

Run the system verification test:

```
module: brocade-diagnostics
+--rw diag
| +--ro systemverification
| | +--ro input
| | | +--ro (sysv)?
| | | | +--:(short)
| | | | | +--ro short? empty
| | | | | +--:(stop)
| | | | | +--ro stop? empty
| | +--ro output
| | | +--ro result? string
```

Run the pseudo-random binary-sequence test:

```
module: brocade-diagnostics
+--rw diag
| +--ro prbstest
| | +--ro input
| | | +--ro slot slotidtype
| | | +--ro pattern? enumeration
| | +--ro output
| | | +--ro result? string
```

Clear the diagnostic failure status:

```
module: brocade-diagnostics
+--rw diag
| +--ro clearerror
| | +--ro output
| | | +--ro result? string
```

Clear the errors that are stored in the nonvolatile storage during the burn-in process:

```
module: brocade-diagnostics
+--rw diag
| +--ro burninerrclear
| | +--ro output
| | | +--ro result? string
```

Configure all the parameters required for the system verification test:

```
module: brocade-diagnostics
  +--rw diag
  |   +--ro setcycle
  |   |   +--ro input
  |   |   |   +--ro tbr_passes?    uint32
  |   |   |   +--ro num_of_runs?   uint32
  |   |   |   +--ro min_lb_mode?   uint32
  |   |   |   +--ro plb_nframes?   uint32
  |   |   +--ro output
  |   |   +--ro result?    string
```

Run post verification test:

```
module: brocade-diagnostics
  +--rw diag
  |   +--rw post
  |   |   +--rw rbridge-id [rbridge-id]
  |   |   |   +--rw enable?    empty
  |   |   |   +--rw rbridge-id common-def:rbridge-id-type
  |   |   +--rw enable?    empty
```

Display results of Diagpost:

```
module: brocade-common-def
  +--rw show
  |   +--rw diagnostics:diag
  |   |   +--rw diagnostics:post
  |   |   |   +--ro diagnostics:results
  |   |   |   |   +--ro diagnostics:input
  |   |   |   |   |   +--ro (localremote)?
  |   |   |   |   |   |   +--:(local)
  |   |   |   |   |   |   |   +--ro diagnostics:slot    slotidtype
  |   |   |   |   |   |   |   +--:(remote)
  |   |   |   |   |   |   |   |   +--ro diagnostics:rbridge-id? common-def:rbridge-id-type
  |   |   |   |   |   |   |   |   +--ro (postresult)?
  |   |   |   |   |   |   |   |   +--:(brief)
  |   |   |   |   |   |   |   |   |   +--ro diagnostics:brief?    empty
  |   |   |   |   |   |   |   |   |   +--:(detailed)
  |   |   |   |   |   |   |   |   |   |   +--ro diagnostics:detailed?    empty
  |   |   |   |   |   +--ro diagnostics:output
  |   |   |   +--ro diagnostics:result?    string
```

Display currently running diagnostic tests:

```
module: brocade-common-def
  +--rw show
  |   +--ro diagnostics:status
  |   |   +--ro diagnostics:input
  |   |   |   +--ro (localremote)?
  |   |   |   |   +--:(local)
  |   |   |   |   |   +--ro diagnostics:slot    slotidtype
  |   |   |   |   |   +--:(remote)
  |   |   |   |   |   |   +--ro diagnostics:rbridge-id? common-def:rbridge-id-type
  |   |   |   +--ro diagnostics:output
  |   |   +--ro diagnostics:result?    string
```

Check the status of last-run system verification test:

```
module: brocade-common-def
  +--rw show
  |   +--ro diagnostics:burninstatus
  |   |   +--ro diagnostics:input
  |   |   |   +--ro diagnostics:rbridge-id?    common-def:rbridge-id-type
  |   |   +--ro diagnostics:output
  |   |   +--ro diagnostics:result?    string
```

Check error log:

```
module: brocade-common-def
  +--rw show
  |   +--ro diagnostics:burninerrshow
  |   |   +--ro diagnostics:input
  |   |   |   +--ro diagnostics:rbridge-id?    common-def:rbridge-id-type
  |   |   +--ro diagnostics:output
  |   |   +--ro diagnostics:result?    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 interface
    | +--rw gigabitethernet
    | | +--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:reauthentication?   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
```

```
module: brocade-interface
  +--rw interface
    | +--rw tengigabitethernet
    | | +--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:reauthentication?   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
```

```
module: brocade-interface
  +--rw interface
    | +--rw fortygigabitethernet
    | | +--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:reauthentication? 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
module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet
| | +--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:reauthentication? 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-eld

Provides a data model for configuring global parameters for Edge-Loop-Detection.

External augmentations

```
module: brocade-interface
  +--rw protocol
  |   +--rw eld:edge-loop-detection
  |   |   +--rw eld:pdu-rx-limit?          uint32
  |   |   +--rw eld:hello-interval?        uint32
  |   |   +--rw eld:shutdown-time?         uint32
  |   |   +--rw eld:mac-refresh-time-config /*alt-name:"mac-refresh"*/
  |   |       +--rw eld:mac-refresh-time?  uint32 /*drop-node-name*/
  |   |       +--rw eld:mac-refresh-type?  enumeration /*drop-node-name*/
```

brocade-enclosure-show

Provides an interface to get enclosure-related information on embedded platforms.

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw Enclosure-show:enclosure
  |   |   +--ro Enclosure-show:slotid
  |   |   |   +--ro Enclosure-show:input
  |   |   +--ro Enclosure-show:modelname
  |   |   +--ro Enclosure-show:input
```

brocade-entity

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

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] /*drop-node-name*/
      | +--rw name          common-def:name-string32
      | +--rw description?  string
      | +--rw trigger [trigger-id]
      | | +--rw trigger-id  uint32
      | | +--rw (trigger-choice)?
      | | | +--:(vcs)
      | | | | +--rw vcs?          enumeration
      | | | +--:(raslog)
      | | | +--rw raslog?        common-def:name-string32
      | +--rw action
      | | +--rw (action-choice)?
      | | +--:(python-script)
      | | | +--rw python-script?  common-def:name-string32
    +--ro abort
    +--ro input
    +--ro action      common-def:name-string32
```

External augmentations

```
module: brocade-common-def
  +--rw show
  | +--rw event-handler:event-handler

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw event-handler:event-handler
  | +--rw event-handler:activate
  | | +--rw event-handler:name [name] /*drop-node-name*/
  | | +--rw event-handler:name                                     common-def:name-
string32
  | | +--rw event-handler:delay?                                   uint32
  | | +--rw event-handler:iterations?                             uint32
  | | +--rw event-handler:interval?                               uint32
  | | +--rw event-handler:run-mode?                               enumeration
  | | +--rw event-handler:trigger-mode?                           enumeration
  | +--rw event-handler:trigger-function-container /*drop-node-name*/
  | | +--rw event-handler:trigger-function? enumeration
  | | +--rw event-handler:time-window          uint32
  | +--rw event-handler:action-timeout?        uint32
```

Actions

```
module: brocade-common-def
  +--rw show
  | +--rw event-handler:event-handler
  | | +--ro event-handler:activations
  | | +--ro event-handler:input
  | | +--ro event-handler:rbridge-id?  common-def:rbridge-id-all-range-type
```

History

Release version	History
6.0.1	This YANG module was introduced.

Release version	History
6.0.1a	This YANG module was modified to include the following: • Leaf <i>event-handler-name</i> within <i>input</i> within container <i>event-handler-container</i> was renamed to <i>action</i>.
7.0.0	This YANG module was modified to include the following: • Leaf <i>description</i> was added within list <i>event-handler-list</i> within grouping <i>event-handler-group</i> under container <i>event-handler</i>. • Leaf <i>action-timeout</i> was added under list <i>name</i> within container <i>activate</i>. • Removed actions from augment <i>/common-def:clear</i> • Action <i>abort</i> containing leaf <i>action</i> within input was added within container <i>event-handler</i>.

brocade-fabric-service

Provides a data model for managing VCS fabric-related information.

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 present themselves as one unified and transparent Ethernet switching service to the external network.

The interconnecting network that contains the individual switches is referred to as the fabric. The group of physical Ethernet switches in the fabric is referred to as the cluster.

Top-level container

```
module: brocade-fabric-service
  +--rw fabric
    x--rw route
      +--rw mcast
        +--rw rbridge-id [rbridge-id]
          +--rw rbridge-id      common-def:rbridge-id-type
          +--rw priority?      common-def:mcast-priority-type
```

External augmentations

```
module: brocade-common-def
  +--rw show
    | +--rw fabric-service:fabric
    | | +--rw fabric-service:route

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw fabric-service:fabric
    | +--rw fabric-service:ecmp
    | | +--rw fabric-service:ecmp-load-balance?      enumeration /*alt-
name:load-balance*/
    | | +--rw fabric-service:load-balance-hash-swap? hashswap-type
    | | +--rw fabric-service:route
    | | +--rw fabric-service:mcast
    | | +--rw fabric-service:priority?      common-def:mcast-priority-type
    | +--rw fabric-service:port-channel [po-id]
    | | +--rw fabric-service:po-id          interface:portchannel-type
    | | +--rw fabric-service:vlag-load-balance? enumeration /*alt-name:load-
balance*/
```

RPCs

```
----x show-linkinfo
| +--ro input
| | +--ro all?      empty
| +--ro output
| | +--ro show-link-info [linkinfo-rbridgeid]
| | +--ro linkinfo-rbridgeid      common-def:rbridge-id-type
| | +--ro linkinfo-domain-reachable? linkinfo-domain-reachable-type
| | +--ro linkinfo-wwn?          common-def:wwn-type
| | +--ro linkinfo-version?      uint32
| | +--ro linkinfo-isl [linkinfo-isl-linknumber]
| | | +--ro linkinfo-isl-linknumber      uint32
| | | +--ro linkinfo-isl-link-destdomain? common-def:rbridge-id-type
| | | +--ro linkinfo-isl-link-srcport?    uint16
| | | +--ro linkinfo-isl-link-srcport-type? interfacetype-type
| | | +--ro linkinfo-isl-link-srcport-interface? interface:interface-type
| | | +--ro linkinfo-isl-link-destport?    uint16
| | | +--ro linkinfo-isl-link-destport-type? interfacetype-type
| | | +--ro linkinfo-isl-link-destport-interface? interface:interface-type
| | | +--ro linkinfo-isl-linkcost?        uint32
| | | +--ro linkinfo-isl-link-costcount?   uint32
| | | +--ro linkinfo-isl-link-type?        uint32
```

```

|          +---ro linkinfo-trunked?          linkinfo-trunked-type
+---x show-portindex-interface-info
|   +---ro input
|   |   +---ro all?    empty
|   +---ro output
|   |   +---ro show-portindex-interface [portsgroup-rbridgeid]
|   |   |   +---ro portsgroup-rbridgeid    common-def:rbridge-id-type
|   |   |   +---ro show-portindex [port-index]
|   |   |   |   +---ro port-index          uint32
|   |   |   |   +---ro port-type?         ethernet-port-type
|   |   |   |   +---ro port-interface?    interface:interface-type
+---x show-fibrechannel-interface-info
|   +---ro input
|   |   +---ro all?    empty
|   +---ro output
|   |   +---ro show-fibrechannel-interface [portsgroup-rbridgeid]
|   |   |   +---ro portsgroup-rbridgeid    common-def:rbridge-id-type
|   |   |   +---ro show-fibrechannel-info [port-index]
|   |   |   |   +---ro port-interface?    interface:interface-type
|   |   |   |   +---ro port-index          uint32
|   |   |   |   +---ro port-type?         porttype-type
|   |   |   |   +---ro port-wwn?          common-def:wwn-type
|   |   |   |   +---ro remote-port-wwn?   common-def:wwn-type
|   |   |   |   +---ro remote-node-wwn?   common-def:wwn-type
|   |   |   |   +---ro port-state?        string
|   |   |   |   +---ro port-status?       string
|   |   |   |   +---ro port-status-message? string
|   |   |   |   +---ro port-health?       string
|   |   |   |   +---ro port-trunked?      boolean
|   |   |   |   +---ro port-trunk-master? uint32
|   |   |   |   +---ro port-actual-distance? uint32
|   |   |   |   +---ro port-desired-credit? uint32
|   |   |   |   +---ro port-buffer-allocated? uint32
|   |   |   |   +---ro port-licensed?     boolean
|   |   |   |   +---ro port-address?      fabric-portid-type
|   |   |   |   +---ro port-fec?          string
|   |   |   |   +---ro port-configured-speed? string
|   |   |   |   +---ro port-actual-speed? string
+---x show-fabric-trunk-info
|   +---ro input
|   |   +---ro (rbridge-id-or-all)?
|   |   |   +---:(rbridge-id)
|   |   |   |   +---ro rbridge-id?    common-def:rbridge-id-type
|   |   |   +---:(all)
|   |   |   +---ro all?    empty
|   +---ro output
|   |   +---ro show-trunk-list
|   |   |   +---ro trunk-list-groups
|   |   |   |   +---ro trunk-list-group?    uint32
|   |   |   |   +---ro trunk-list-member
|   |   |   |   |   +---ro trunk-list-src-port?    uint32
|   |   |   |   |   +---ro trunk-list-interface-type? interfacetype-type
|   |   |   |   |   +---ro trunk-list-src-interface? interface:interface-type
|   |   |   |   |   +---ro trunk-list-nbr-rbridge-id? uint32
|   |   |   |   |   +---ro trunk-list-nbr-port?    uint32
|   |   |   |   |   +---ro trunk-list-nbr-interface-type? interfacetype-type
|   |   |   |   |   +---ro trunk-list-nbr-interface? interface:interface-type
|   |   |   |   |   +---ro trunk-list-nbr-wwn?    common-def:wwn-type
|   |   |   |   +---ro trunk-list-is-primary?    trunk-list-is-primary-type

```

Actions

Obtain all VCS fabric membership information:

```

module: brocade-common-def
+---rw show
|   +---rw fabric-service:fabric
|   |   +---ro fabric-service:all
|   |   |   +---ro fabric-service:input
|   |   |   +---ro fabric-service:output
|   |   |   +---ro fabric-service:fabric-showall-cluster [fabric-showall-rbridge-
id]
|   |   |   |   +---ro fabric-service:fabric-showall-rbridge-id    common-
def:rbridge-id-type
|   |   |   |   +---ro fabric-service:fabric-showall-wwn?    common-def:wwn-
type

```

```

| | | +--ro fabric-service:fabric-showall-ipaddress? inet:ipv4-address
| | | +--ro fabric-service:fabric-showall-name? string
| | | +--ro fabric-service:fabric-showall-version? string
| | | +--ro fabric-service:fabric-showall-swbd-number? int32
| | | +--ro fabric-service:fabric-is-principalswitch? boolean
| | | +--ro fabric-service:fabric-showall-ipv6address? inet:ipv6-address

```

Obtain ISL information:

```

module: brocade-common-def
+--rw show
| +--rw fabric-service:fabric
| | +--ro fabric-service:isl
| | | +--ro fabric-service:input
| | | | +--ro (rbridge-id-or-all)?
| | | | +--: (rbridge-id)
| | | | +--ro fabric-service:rbridge-id? common-def:rbridge-id-type
| | | | +--: (all)
| | | +--ro fabric-service:all? empty

```

Obtain detailed information about all ISL ports:

```

module: brocade-common-def
+--rw show
| +--rw fabric-service:fabric
| | +--ro fabric-service:islports
| | | +--ro fabric-service:input
| | | | +--ro (rbridge-id-or-all)?
| | | | +--: (rbridge-id)
| | | | +--ro fabric-service:rbridge-id? common-def:rbridge-id-type
| | | | +--: (all)
| | | +--ro fabric-service:all? empty

```

Obtain ISL trunk information:

```

module: brocade-common-def
+--rw show
| +--rw fabric-service:fabric
| | +--ro fabric-service:trunk
| | | +--ro fabric-service:input
| | | | +--ro (rbridge-id-or-all)?
| | | | +--: (rbridge-id)
| | | | +--ro fabric-service:rbridge-id? common-def:rbridge-id-type
| | | | +--: (all)
| | | | +--ro fabric-service:all? empty
| | | +--ro fabric-service:output
| | | | +--ro fabric-service:show-trunk-list
| | | | | +--ro fabric-service:trunk-list-groups
| | | | | +--ro fabric-service:trunk-list-group? uint32
| | | | | +--ro fabric-service:trunk-list-member
| | | | | | +--ro fabric-service:trunk-list-src-port? uint32
| | | | | | +--ro fabric-service:trunk-list-interface-type?
| | | | | | | +--ro fabric-service:trunk-list-src-interface?
| | | | | | | +--ro fabric-service:trunk-list-nbr-rbridge-id? uint32
| | | | | | | +--ro fabric-service:trunk-list-nbr-port? uint32
| | | | | | | +--ro fabric-service:trunk-list-nbr-interface-type?
| | | | | | | | +--ro fabric-service:trunk-list-nbr-interface?
| | | | | | | | +--ro fabric-service:trunk-list-nbr-wwn? common-
| | | | | | | | +--ro fabric-service:trunk-list-is-primary? trunk-
| | | | | | | | list-is-primary-type

```

Obtain multicast routing information:

```

module: brocade-common-def
+--rw show
| +--rw fabric-service:fabric
| | +--rw fabric-service:route
| | | +--ro fabric-service:multicast
| | | | +--ro fabric-service:input
| | | | | +--ro (rbridge-id-or-all)?
| | | | | +--: (rbridge-id)
| | | | | +--ro fabric-service:rbridge-id? common-def:rbridge-id-type
| | | | | +--: (all)
| | | | +--ro fabric-service:all? empty

```

Obtain fabric topology information from the perspective of a VCS fabric node:

```
module: brocade-common-def
  +--rw show
  |   +--rw fabric-service:fabric
  |   |   +--rw fabric-service:route
  |   |   |   +--ro fabric-service:topology
  |   |   |   |   +--ro fabric-service:input
  |   |   |   |   +--ro fabric-service:dest-rbridge-id?   common-def:rbridge-id-type
  |   |   |   |   +--ro fabric-service:src-rbridge-id?   common-def:rbridge-id-type
```

Obtain routing information and states along a path that includes multiple switches:

```
module: brocade-common-def
  +--rw show
  |   +--rw fabric-service:fabric
  |   |   +--rw fabric-service:route
  |   |   |   +--ro fabric-service:pathinfo
  |   |   |   |   +--ro fabric-service:input
```

Obtain link information for all the links in the fabric:

```
module: brocade-common-def
  +--rw show
  |   +--rw fabric-service:fabric
  |   |   +--rw fabric-service:route
  |   |   |   +--ro fabric-service:linkinfo
  |   |   |   |   +--ro fabric-service:input
  |   |   |   |   +--ro fabric-service:output
  |   |   |   |   +--ro fabric-service:show-link-info [linkinfo-rbridgeid]
  |   |   |   |   +--ro fabric-service:linkinfo-rbridgeid   common-
def:rbridge-id-type
  |   |   |   |   +--ro fabric-service:linkinfo-domain-reachable?   linkinfo-
domain-reachable-type
  |   |   |   |   +--ro fabric-service:linkinfo-wwn?   common-
def:wwn-type
  |   |   |   |   +--ro fabric-service:linkinfo-version?   uint32
  |   |   |   |   +--ro fabric-service:linkinfo-isl [linkinfo-isl-linknumber]
  |   |   |   |   +--ro fabric-service:linkinfo-isl-linknumber
uint32
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-destdomain?
common-def:rbridge-id-type
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-srcport?
uint16
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-srcport-type?
interfacetype-type
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-srcport-interface?
interface:interface-type
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-destport?
uint16
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-destport-type?
interfacetype-type
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-destport-interface?
interface:interface-type
  |   |   |   |   +--ro fabric-service:linkinfo-isl-linkcost?
uint32
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-costcount?
uint32
  |   |   |   |   +--ro fabric-service:linkinfo-isllink-type?
uint32
  |   |   |   |   +--ro fabric-service:linkinfo-trunked?
linkinfo-trunked-type
```

Obtain the Fabric Shortest Path First (FSPF) link state information for a VCS fabric node:

```
module: brocade-common-def
  +--rw show
  |   +--rw fabric-service:fabric
  |   |   +--rw fabric-service:route
  |   |   |   +--ro fabric-service:neighbor-state
  |   |   |   |   +--ro fabric-service:input
  |   |   |   |   +--ro (rbridge-id-or-all)?
  |   |   |   |   |   +--:(rbridge-id)
  |   |   |   |   |   |   +--ro fabric-service:rbridge-id?   common-def:rbridge-id-type
  |   |   |   |   |   |   +--:(all)
  |   |   |   |   |   +--ro fabric-service:all?   empty
```

History

Release version	History
6.0.1a	This YANG module was modified to include the following: • Leaves <i>trunk-list-nbr-interface-type</i> and <i>trunk-list-nbr-interface</i> were added within leaf <i>trunk-list-member</i> within list <i>show-trunk-list</i>. • Leaves <i>trunk-list-nbr-interface-type</i> and <i>trunk-list-nbr-interface</i> were added within leaf <i>output</i> within RPC <i>show-fabric-trunk-info</i>.

brocade-fc-auth

Provides a data model for configuring Fibre Channel authentication through Fibre Channel Security Protocol (FCSP) and Switch Connection Control (SCC) security policy parameters.

Top-level container

```
module: brocade-fc-auth
  +--rw fcsp
  |   +--rw auth-secret
  +--rw fcsp-sa /*drop-node-name*/
  |   +--rw fcsp
  |   |   +--rw auth
  |   |   |   +--rw proto
  |   |   |   |   +--rw auth-type?    fcsp-authtype
  |   |   |   |   +--rw group?       string
  |   |   |   |   +--rw hash?        fcsp-hashtype
  |   |   |   +--rw policy
  |   |   |   |   +--rw switch?    fcsp-switch-policy-state
  +--rw secpolicy
  |   +--rw action /*drop-node-name*/
  +--rw secpolicy-sa /*drop-node-name*/
  |   +--rw secpolicy
  |   |   +--rw defined-policy
  |   |   |   +--rw policies [policy] /*drop-node-name*/
  |   |   |   |   +--rw policy          secpolicy-type /*drop-node-name*/
  |   |   |   |   +--rw member-entry [member]
  |   |   |   |   +--rw member        string
  |   |   +--rw active-policy
  |   |   |   +--rw policies [policy] /*drop-node-name*/
  |   |   |   |   +--rw policy          secpolicy-type /*drop-node-name*/
  |   |   |   |   +--rw member-entry [member]
  |   |   |   |   +--rw member        string
```

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw brcd-fc-auth:fcsp
  |   +--rw brcd-fc-auth:authsecret

module: brocade-common-def
  +--rw no
  |   +--rw brcd-fc-auth:fcsp
  |   +--rw brcd-fc-auth:auth-secret

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw brcd-fc-auth:fcsp
  |   +--rw brcd-fc-auth:auth
  |   |   +--rw brcd-fc-auth:proto /*drop-node-name*/
  |   |   |   +--rw brcd-fc-auth:auth-type?    fcsp-authtype
  |   |   |   |   +--rw brcd-fc-auth:group?    string
  |   |   |   |   +--rw brcd-fc-auth:hash?     fcsp-hashtype
  |   |   +--rw brcd-fc-auth:policy
  |   |   |   +--rw brcd-fc-auth:switch?    fcsp-switch-policy-state

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw brcd-fc-auth:secpolicy
  |   +--rw brcd-fc-auth:defined-policy
  |   |   +--rw brcd-fc-auth:policies [policy]
  |   |   |   +--rw brcd-fc-auth:policy          secpolicy-type
  |   |   |   |   +--rw brcd-fc-auth:member-entry [member]
  |   |   |   |   +--rw brcd-fc-auth:member        string
  |   +--rw brcd-fc-auth:active-policy
  |   |   +--rw brcd-fc-auth:policies [policy]
  |   |   |   +--rw brcd-fc-auth:policy          secpolicy-type
  |   |   |   |   +--rw brcd-fc-auth:member-entry [member]
  |   |   |   |   +--rw brcd-fc-auth:member        string
```

Actions

Configure the authorization secret for DH-CHAP:

```
module: brocade-fc-auth
  +--rw fcsp
  |   +--rw auth-secret
  |   |   +--ro dhchap
  |   |   |   +--ro input
  |   |   |   |   +--ro node      string
  |   |   |   |   +--ro peer-secret? string
  |   |   |   |   +--ro local-secret? string
  |   |   |   +--ro output
  |   |   +--ro result? string
```

Return the device WWN for which a shared secret is configured:

```
module: brocade-common-def
  +--rw show
  |   +--rw brcd-fc-auth:fcsp
  |   |   +--rw brcd-fc-auth:authsecret
  |   |   |   +--ro brcd-fc-auth:dhchap
  |   |   |   |   +--ro brcd-fc-auth:input
  |   |   |   |   +--ro brcd-fc-auth:output
  |   |   |   |   +--ro brcd-fc-auth:auth-show-secret [nodeid]
  |   |   |   +--ro brcd-fc-auth:nodeid string
```

Delete the authorization secret for DH-CHAP:

```
module: brocade-common-def
  +--rw no
  |   +--rw brcd-fc-auth:fcsp
  |   |   +--rw brcd-fc-auth:auth-secret
  |   |   |   +--ro brcd-fc-auth:dhchap
  |   |   |   |   +--ro brcd-fc-auth:input
  |   |   |   |   |   +--ro (op)?
  |   |   |   |   |   |   +--:(node)
  |   |   |   |   |   |   |   +--ro brcd-fc-auth:node common-def:wwn-type
  |   |   |   |   |   |   |   +--:(all)
  |   |   |   +--ro brcd-fc-auth:all empty
```

Activate all the defined FC authorization policies:

```
module: brocade-fc-auth
  +--rw secpolicy
  |   +--rw action
  |   |   +--ro activate
  |   |   |   +--ro input
  |   |   |   |   +--ro rbridge-id? common-def:rbridge-id-all-type
  |   |   +--ro output
```

brocade-fcoe

Provides a data model for managing the Fibre Channel over Ethernet (FCoE) feature.

Top-level container

```

module: brocade-fcoe
  +--rw fcoe-fsb /*alt-name:fsb*/
  |   +---rw fcoe-fsb-enable? empty /*alt-name:enable*/
  +---rw fcoe
    +---rw fcoe-fabric-map [fcoe-fabric-map-name] /*alt-name:fabric-map*/
    |   +---rw fcoe-fabric-map-name fcoe-fabric-map-name-type /*drop-
node-name*/
    |   +---rw fcoe-fabric-map-vlan? fcoe-vlan-type /*alt-name:vlan*/
    |   +---rw fcoe-fabric-mode? fcoe-fabric-mode-type /*alt-
name:san-mode*/
    |   +---rw fcoe-fabric-map-priority? fcoe-priority-type /*alt-
name:priority*/
    |   +---rw fcoe-fabric-map-virtual-fabric? fcoe-vfid-type /*alt-name:virtual-
fabric*/
    |   +---rw fcoe-fabric-map-fcmap? fcoe-fcmap-type /*alt-name:fcmap*/
    |   +---rw fcoe-fip-advertisement /*alt-name:advertisement*/
    |   |   +---rw fcoe-fip-advertisement-interval? int32 /*alt-name:interval*/
    |   +---rw fcoe-fip-keep-alive /*alt-name:keep-alive*/
    |   |   +---rw fcoe-fip-keep-alive-timeout? empty /*alt-name:timeout*/
    |   +---rw fcoe-fcf-map [fcf-map-name] /*alt-name:fcf-group*/
    |   |   +---rw fcf-map-name fcf-map-name-type /*drop-node-name*/
    |   |   +---rw fcf-map-fcf-rbid? uint32 /*alt-name:fcf-rbid*/
    |   |   +---rw fcf-map-fif-rbid /*alt-name:fif-rbid*/
    |   |   +---rw fcf-map-fif-rbid-add? ui32-rbridge-id-range /*alt-
name:add*/
    |   |   +---rw fcf-map-fif-rbid-remove? ui32-rbridge-id-range /*alt-
name:remove*/
    |   +---rw fcoe-fcport-group-config /*alt-name:fcport-group*/
    |   |   +---rw fcport-group-rbid /*alt-name:fcport-group-rbid*/
    |   |   +---rw fcport-group-rbid-add? ui32-rbridge-id-range /*alt-
name:add*/
    |   |   +---rw fcport-group-rbid-remove? ui32-rbridge-id-range /*alt-
name:remove*/
    |   +---rw fcoe-map [fcoe-map-name] /*alt-name:fcoe-map*/
    |   |   +---rw fcoe-map-name common-def:name-string32 /*drop-node-name*/
    |   +---rw fcoe-map-fabric-map /*alt-name:fabric-map*/
    |   |   +---rw fcoe-map-fabric-map-name* common-def:name-string32 /*drop-node-
name*/
    +---rw fcoe-map-cee-map /*alt-name:cee-map*/
    |   +---rw fcoe-map-cee-map-leaf? fcoe-cee-map-name-type /*drop-node-name*/

```

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +---rw tengigabitethernet [name]
  |   |   +---rw fcoe:fabric
  |   |   |   +---rw fcoe:fabric-isl
  |   |   |   |   +---rw fcoe:fabric-isl-enable? empty /*alt-name:enable*/
  |   |   |   +---rw fcoe:fabric-trunk
  |   |   |   |   +---rw fcoe:fabric-trunk-enable? empty /*alt-name:enable*/
  |   |   |   +---rw fcoe:neighbor-discovery
  |   |   |   |   +---rw fcoe:disable? empty
  |   |   |   +---rw fcoe:fabric-dport /*alt-name:dport*/
  |   |   |   +---rw fcoe:fabric-dport-mode? enumeration /*alt-name mode*/
  |   |   +---rw fcoe:fcoeport
  |   |   |   +---rw fcoe:fcoeport-map? fcoe-map-name-type /*alt-name:map*/; /
  |   +---rw fcoe:ns-ip-registration? empty

module: brocade-interface
  +--rw interface
  |   +---rw fortygigabitethernet [name]
  |   |   +---rw fcoe:fabric

```

```

| | | +--rw fcoe:fabric-isl
| | | | +--rw fcoe:fabric-isl-enable? empty /*alt-name:enable*/
| | | +--rw fcoe:fabric-trunk
| | | | +--rw fcoe:fabric-trunk-enable? empty /*alt-name:enable*/
| | | +--rw fcoe:neighbor-discovery
| | | | +--rw fcoe:disable? empty
| | | +--rw fcoe:fabric-dport /*alt-name:dport*/
| | | | +--rw fcoe:fabric-dport-mode? enumeration /*alt-name mode*/
| | | +--rw fcoe:fcoeport
| | | | +--rw fcoe:fcoeport-map? fcoe-map-name-type /*alt-name:map*/; /
*drop-node-name*/
| | | +--rw fcoe:ns-ip-registration? empty

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw fcoe:fabric
| | | +--rw fcoe:fabric-isl
| | | | +--rw fcoe:fabric-isl-enable? empty /*alt-name:enable*/
| | | +--rw fcoe:fabric-trunk
| | | | +--rw fcoe:fabric-trunk-enable? empty /*alt-name:enable*/
| | | +--rw fcoe:neighbor-discovery
| | | | +--rw fcoe:disable? empty
| | | +--rw fcoe:fabric-dport /*alt-name:dport*/
| | | | +--rw fcoe:fabric-dport-mode? enumeration /*alt-name mode*/
| | | +--rw fcoe:fcoeport
| | | | +--rw fcoe:fcoeport-map? fcoe-map-name-type /*alt-name:map*/; /
*drop-node-name*/
| | | +--rw fcoe:ns-ip-registration? empty

module: brocade-interface
+--rw interface
| +--rw gigabitethernet [name]
| | +--rw fcoe:fabric
| | | +--rw fcoe:neighbor-discovery
| | | | +--rw fcoe:disable? empty

module: brocade-interface
+--rw interface
| +--rw fcoe:fcoe [fcoe-interface-name] /*alt-name:Fcoe*/
| | +--rw fcoe:fcoe-interface-name interface-fcoe-type /*drop-node-name*/
| | +--rw fcoe:fcoe-interface-shutdown? empty /*alt-name:shutdown*/
| | +--rw fcoe:fcoe-interface-bind /*alt-name:bind*/
| | | +--rw (fcoe-interface-bind-type)?
| | | | +--:(fcoe-interface-bind-te)
| | | | | +--rw fcoe:fcoe-interface-bind-te? empty /*alt-
name:TenGigabitEthernet*/
| | | | +--:(fcoe-interface-bind-fo)
| | | | | +--rw fcoe:fcoe-interface-bind-fo? empty /*alt-
name:FortyGigabitEthernet*/
| | | | +--:(fcoe-interface-bind-po)
| | | | | +--rw fcoe:fcoe-interface-bind-po? empty /*alt-name:Port-
channel*/
| | | | +--:(fcoe-interface-bind-mac)
| | | | | +--rw fcoe:fcoe-interface-bind-mac? empty /*alt-name:mac-
address*/
| | | | +--:(fcoe-interface-bind-hu)
| | | | | +--rw fcoe:fcoe-interface-bind-hu? empty /*alt-
name:HundredGigabitEthernet*/
| | | +--rw fcoe:fcoe-interface-bind-name? string /*drop-node-name*/

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw fcoe:fcoeport
| | | +--rw fcoe:fcoeport-map? fcoe-map-name-type /*alt-name:map*/; /
*drop-node-name*/
| | | +--rw fcoe:ns-ip-registration? empty

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw fcoe:fcoe-config /*alt-name:fcoe*/
| +--rw fcoe:fcoe-max-enode? fcoe-max-enodes-per-rbridge-type /
*alt-name:fcoe-enodes*/

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Type of leaf <i>fcoe-fabric-map-name</i> under container <i>fcoe</i> was changed from <i>common-def:name-string32</i> to <i>fcoe-fabric-map-name-type</i>. - Container <i>fcport-group-rbid</i> containing leaves <i>fcport-group-rbid-add</i> and <i>fcport-group-rbid-remove</i> was added within container <i>fcoe-fcport-group-config</i>.
6.0.1a	This YANG module was modified to include the following: Leaf <i>disable</i> was added under container <i>neighbor-discovery</i> within container <i>fabric</i> in augment to <i>/interface:interface/interface:gigabitethernet</i>.
7.0.0	This YANG module was modified to include the following: - Leaf <i>fabric-dport-mode</i> was added under container <i>fabric-dport</i> in augment to the following: <i>/interface:interface/interface:tengigabitethernet</i>. <i>/interface:interface/interface:fortygigabitethernet</i>. <i>/interface:interface/interface:hundredgigabitethernet</i>. - Leaf <i>ns-ip-registration</i> was added within container <i>fcoeport</i> in augment to the following: <i>/interface:interface/interface:tengigabitethernet</i>. <i>/interface:interface/interface:fortygigabitethernet</i>. <i>/interface:interface/interface:hundredgigabitethernet</i>. <i>/interface:interface/interface:port-channel</i>.

brocade-fcoe-ext

Provides extensions to the brocade-fcoe module, including custom RPCs for returning operational information about FCoE ports and logins.

RPCs

```

+---x fcoe-get-interface
| +--ro input
| | +--ro fcoe-intf-name?          fcoe:interface-fcoe-type
| | +--ro fcoe-intf-rbridge-id?    common-def:rbridge-id-all-type
| | +--ro fcoe-intf-include-stats? boolean
| +--ro output
| | +--ro fcoe-intf-list [fcoe-intf-fcoe-port-id]
| | | +--ro fcoe-intf-fcoe-port-id      fcoe:interface-fcoe-type
| | | +--ro fcoe-intf-port-type?        fcoe-port-mode-type
| | | +--ro fcoe-intf-config-port-type?  fcoe-port-mode-type
| | | +--ro fcoe-intf-port-state?        fcoe-port-state-type
| | | +--ro fcoe-intf-fabric-map-name?    fcoe-map-name
| | | +--ro fcoe-intf-eth-port-id?        interface:interface-type
| | | +--ro interface-type?              enumeration
| | | +--ro interface-name?              union
| | | +--ro fcoe-intf-admin-status?       boolean
| | | +--ro fcoe-intf-peer-fcf-mac?       yang:mac-address
| | | +--ro fcoe-intf-device-count?       yang:zero-based-counter32
| | | +--ro fcoe-intf-ifindex?            uint32
| | | +--ro fcoe-intf-wwn?                common-def:wwn-type
| | | +--ro fcoe-intf-enode-bind-type?    fcoe-binding-type
| | | +--ro fcoe-intf-port-bind-type?     fcoe-binding-type
| | | +--ro fcoe-intf-enode-mac-address?   yang:mac-address
| | | +--ro fcoe-intf-rx-vlan-disc-req?    yang:zero-based-counter32
| | | +--ro fcoe-intf-rx-disc-solicitations? yang:zero-based-counter32
| | | +--ro fcoe-intf-rx-flogi?            yang:zero-based-counter32
| | | +--ro fcoe-intf-rx-fdiscs?           yang:zero-based-counter32
| | | +--ro fcoe-intf-rx-logo?             yang:zero-based-counter32
| | | +--ro fcoe-intf-rx-errors?           yang:zero-based-counter32
| | | +--ro fcoe-intf-tx-vlan-disc-resp?    yang:zero-based-counter32
| | | +--ro fcoe-intf-tx-disc-sol-adv?      yang:zero-based-counter32
| | | +--ro fcoe-intf-tx-disc-unsol-adv?    yang:zero-based-counter32
| | | +--ro fcoe-intf-rx-enode-ka?          yang:zero-based-counter32
| | | +--ro fcoe-intf-rx-vnport-ka?        yang:zero-based-counter32
| | | +--ro fcoe-intf-tx-accepts?          yang:zero-based-counter32
| | | +--ro fcoe-intf-tx-ls-rjt?           yang:zero-based-counter32
| | | +--ro fcoe-intf-time-since-last-change? fcoe-counters-date-and-time-type
| | | +--ro fcoe-intf-last-counters-cleared? fcoe-counters-date-and-time-type
| | | +--ro fcoe-intf-tx-cvls?             yang:zero-based-counter32
| | +--ro fcoe-intf-total-interfaces?      yang:zero-based-counter32
+---x fcoe-get-login
| +--ro input
| | +--ro fcoe-login-interface?    fcoe:interface-fcoe-type
| | +--ro fcoe-login-vfid?          fcoe:fcoe-vfid-type
| | +--ro fcoe-login-vlan?          fcoe:fcoe-vlan-type
| | +--ro fcoe-login-rbridge-id?    common-def:rbridge-id-all-type
| +--ro output
| | +--ro fcoe-login-list [fcoe-login-session-mac]
| | | +--ro fcoe-login-session-mac      yang:mac-address
| | | +--ro fcoe-login-fcoe-interface-name? fcoe:interface-fcoe-type
| | | +--ro fcoe-login-interface-name?    union
| | | +--ro interface-type?              enumeration
| | | +--ro interface-name?              union
| | | +--ro fcoe-login-device-wwn?        common-def:wwn-type
| | | +--ro fcoe-login-device-mac?        yang:mac-address
| | | +--ro fcoe-login-direct-attached?    boolean
| | | +--ro fcoe-login-connected-peer-type? enumeration
| | +--ro fcoe-login-total-logins?      yang:zero-based-counter32

```

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 [Table 2](#).

TABLE 2 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
  |   |   +--rw default-config
  |   |   |   +--rw logical-chassis
  |   |   |   |   +--rw default-config
  |   |   +--rw install
  |   +--rw auto-sync
  |   +--rw autoupgrade /*alt-name:auto-upgrade*/
  |   +--rw autoupgrade-params /*alt-name:auto-upgrade-params*/
  +--rw write
  +--rw reboot /*drop-node-name*/
  +--rw dhcp
      +--rw auto-deployment

```

External augmentations

```

module: brocade-common-def
  +--rw show
  |   +--rw firmware:dhcp-auto-deployment /*drop-node-name*/

```

RPCs

```

+---x fwdl-status
|   +--ro input
|   |   +--ro 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 input
| | +---ro rbridge-id?   rbridge-ids-all-type
+---ro output
| +---ro overall-status?   int32
| +---ro overall-error-msg? string
| +---ro activate-entries
| | +---ro rbridge-id?   common-def:rbridge-id-type
| | +---ro status?      int32
+---x firmware-download
| +---ro input
| | +---ro (protocol-type)?
| | | +---:(scp-protocol)
| | | | +---ro scp
| | | | | +---ro user          string
| | | | | +---ro password?    string
| | | | | +---ro host         string
| | | | | +---ro directory    string
| | | | | +---ro file?        string
| | | +---:(ftp-protocol)
| | | | +---ro ftp
| | | | | +---ro user          string
| | | | | +---ro password?    string
| | | | | +---ro host         string
| | | | | +---ro directory    string
| | | | | +---ro file?        string
| | | +---:(sftp-protocol)
| | | | +---ro sftp
| | | | | +---ro user          string
| | | | | +---ro password?    string
| | | | | +---ro host         string
| | | | | +---ro directory    string
| | | | | +---ro file?        string
| | | | | +---ro port?        int32
| | | | | +---ro host-key-check? empty
| | | +---:(usb-protocol)
| | | | +---ro usb
| | | | | +---ro directory    string
| | +---ro rbridge-id   rbridge-ids-all-type
| +---ro (reboot-options)?
| | +---:(auto-activate)
| | | +---ro auto-activate? empty
| | +---:(coldboot)
| | | +---ro coldboot?    empty
+---ro output
| +---ro fwdl-cmd-status?   int32
| +---ro fwdl-cmd-msg?     string
| +---ro cluster-output
| | +---ro rbridge-id?     uint32
| | +---ro fwdl-status?    int32
| | +---ro fwdl-msg?       string
+---x logical-chassis-fwdl-sanity
| +---ro input
| | +---ro user          string
| | +---ro password?    string
| | +---ro host         string
| | +---ro directory    string
| | +---ro file?        string
| | +---ro rbridge-id   rbridge-ids-all-type
| | +---ro (cluster-options)?
| | | +---:(auto-activate)
| | | | +---ro auto-activate? empty
| | | +---:(coldboot)
| | | | +---ro coldboot?    empty
| | +---ro protocol     enumeration
+---ro output
| +---ro fwdl-cmd-status?   int32
| +---ro fwdl-cmd-msg?     string
| +---ro cluster-output
| | +---ro rbridge-id?     uint32
| | +---ro fwdl-status?    int32
| | +---ro fwdl-msg?       string
+---x logical-chassis-fwdl-status
| +---ro input

```

```

| | +--ro rbridge-id?   rbridge-ids-all-type
+--ro output
|   +--ro overall-status?      int32
|   +--ro cluster-fwdl-entries
|   |   +--ro rbridge-id?      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 dad-status
|   +--ro output
|   |   +--ro dad-last-state?      enumeration
|   |   +--ro dad-status-entries
|   |   |   +--ro index?          uint32
|   |   |   +--ro date-and-time-info? string
|   |   |   +--ro message?       string

```

Actions

Download firmware from an FTP server:

```

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

```

Download firmware from an SCP server:

```

module: brocade-firmware
+--rw firmware
|   +--rw download
|   |   +--ro scp
|   |   |   +--ro input
|   |   |   |   +--ro user          string
|   |   |   |   +--ro password?     string
|   |   |   |   +--ro host          string
|   |   |   |   +--ro directory     string
|   |   |   |   +--ro file?         string
|   |   |   |   +--ro (options)?
|   |   |   |   |   +--:(manual)
|   |   |   |   |   |   +--ro manual?      empty
|   |   |   |   |   |   +--ro noreboot?    empty
|   |   |   |   |   |   +--ro nocommit?    empty
|   |   |   |   |   |   +--:(noactivate)
|   |   |   |   |   |   |   +--ro noactivate? empty
|   |   |   |   |   |   +--:(coldboot)
|   |   |   |   |   |   |   +--ro coldboot? empty
|   |   |   +--ro use-vrf?          common-def:vrf-name
|   |   +--ro output

```

```

| | | +---ro fwdl-tid?      int32
| | | +---ro fwdl-status?   int32
| | | +---ro fwdl-msg?      string

```

Download firmware from an SFTP server:

```

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

```

Download firmware from a TFTP server:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +---ro tftp
| | +---ro input
| | | +---ro host          string
| | | +---ro directory     string
| | | +---ro file?         string
| | | +---ro (options)?
| | | | +---:(manual)
| | | | | +---ro manual?      empty
| | | | | +---ro noreboot?    empty
| | | | | +---ro nocommit?    empty
| | | | | +---:(noactivate)
| | | | | | +---ro noactivate?  empty
| | | | | +---:(coldboot)
| | | | | | +---ro coldboot?    empty
| | | +---ro output
| | | | +---ro fwdl-tid?      int32
| | | | +---ro fwdl-status?   int32
| | | | +---ro fwdl-msg?      string

```

Download firmware from a USB device:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +---ro usb
| | | +---ro input
| | | | +---ro directory     string
| | | | +---ro (options)?
| | | | | +---:(manual)
| | | | | | +---ro manual?      empty
| | | | | | +---ro noreboot?    empty
| | | | | | +---ro nocommit?    empty
| | | | | +---:(noactivate)
| | | | | | +---ro noactivate?  empty
| | | | | +---:(coldboot)
| | | | | | +---ro coldboot?    empty
| | | +---ro output
| | | | +---ro fwdl-tid?      int32
| | | | +---ro fwdl-status?   int32
| | | | +---ro fwdl-msg?      string

```

Download firmware interactively:

```

module: brocade-firmware
  +--rw firmware
  |   +--rw download
  |   |   +--ro interactive
  |   |   |   +--ro input
  |   |   |   +--ro output
  |   |   |   +--ro result?   string

```

Default configuration on the FTP server:

```

module: brocade-firmware
  +--rw firmware
  |   +--rw download
  |   |   +--rw default-config
  |   |   |   +--ro ftp
  |   |   |   |   +--ro input
  |   |   |   |   |   +--ro user          string
  |   |   |   |   |   +--ro password?     string
  |   |   |   |   |   +--ro host          string
  |   |   |   |   |   +--ro directory     string
  |   |   |   |   |   +--ro file?         string
  |   |   |   |   |   +--ro manual?       empty
  |   |   |   |   |   +--ro noreboot?     empty
  |   |   |   |   |   +--ro rbridgeid?    common-def:rbridge-id-type
  |   |   |   |   |   +--ro vcs-id?       uint32
  |   |   |   |   |   +--ro vcs-mode?     uint32
  |   |   |   |   |   +--ro use-vrf?      common-def:vrf-name
  |   |   |   |   +--ro output
  |   |   |   |   |   +--ro fwdl-tid?      int32
  |   |   |   |   |   +--ro fwdl-status?   int32
  |   |   |   |   |   +--ro fwdl-msg?     string

```

Default configuration on the SCP server:

```

module: brocade-firmware
  +--rw firmware
  |   +--rw download
  |   |   +--rw default-config
  |   |   |   +--ro scp
  |   |   |   |   +--ro input
  |   |   |   |   |   +--ro user          string
  |   |   |   |   |   +--ro password?     string
  |   |   |   |   |   +--ro host          string
  |   |   |   |   |   +--ro directory     string
  |   |   |   |   |   +--ro file?         string
  |   |   |   |   |   +--ro manual?       empty
  |   |   |   |   |   +--ro noreboot?     empty
  |   |   |   |   |   +--ro rbridgeid?    common-def:rbridge-id-type
  |   |   |   |   |   +--ro vcs-id?       uint32
  |   |   |   |   |   +--ro vcs-mode?     uint32
  |   |   |   |   |   +--ro use-vrf?      common-def:vrf-name
  |   |   |   |   +--ro output
  |   |   |   |   |   +--ro fwdl-tid?      int32
  |   |   |   |   |   +--ro fwdl-status?   int32
  |   |   |   |   |   +--ro fwdl-msg?     string

```

Default configuration on the SFTP server:

```

module: brocade-firmware
  +--rw firmware
  |   +--rw download
  |   |   +--rw default-config
  |   |   |   +--ro sftp
  |   |   |   |   +--ro input
  |   |   |   |   |   +--ro user          string
  |   |   |   |   |   +--ro password?     string
  |   |   |   |   |   +--ro host          string
  |   |   |   |   |   +--ro directory     string
  |   |   |   |   |   +--ro file?         string
  |   |   |   |   |   +--ro manual?       empty
  |   |   |   |   |   +--ro noreboot?     empty
  |   |   |   |   |   +--ro rbridgeid?    common-def:rbridge-id-type
  |   |   |   |   |   +--ro vcs-id?       uint32
  |   |   |   |   |   +--ro vcs-mode?     uint32
  |   |   |   |   |   +--ro use-vrf?      common-def:vrf-name
  |   |   |   |   +--ro output
  |   |   |   |   |   +--ro fwdl-tid?      int32

```

```

| | | | +---ro fwdl-status? int32
| | | | +---ro fwdl-msg? string

```

Default configuration on the TFTP server:

```

module: brocade-firmware
+---rw firmware
| +---rw download
| | +---rw default-config
| | | +---ro tftp
| | | | +---ro input
| | | | | +---ro host string
| | | | | +---ro directory string
| | | | | +---ro file? string
| | | | | +---ro manual? empty
| | | | | +---ro noreboot? empty
| | | | | +---ro rbridgeid? common-def:rbridge-id-type
| | | | | +---ro vcs-id? uint32
| | | | | +---ro vcs-mode? uint32
| | | | +---ro output
| | | | | +---ro fwdl-tid? int32
| | | | | +---ro fwdl-status? int32
| | | | | +---ro fwdl-msg? string

```

Default configuration on a USB device:

```

module: brocade-firmware
+---rw firmware
| +---rw download
| | +---rw default-config
| | | +---ro usb
| | | | +---ro input
| | | | | +---ro directory string
| | | | | +---ro manual? empty
| | | | | +---ro noreboot? empty
| | | | | +---ro rbridgeid? common-def:rbridge-id-type
| | | | | +---ro vcs-id? uint32
| | | | | +---ro vcs-mode? uint32
| | | | +---ro output
| | | | | +---ro fwdl-tid? int32
| | | | | +---ro fwdl-status? int32
| | | | | +---ro fwdl-msg? string

```

Logical chassis configuration on an FTP server:

```

module: brocade-firmware
+---rw firmware
| +---rw download
| | +---rw logical-chassis
| | | +---ro ftp
| | | | +---ro input
| | | | | +---ro user string
| | | | | +---ro password? string
| | | | | +---ro host string
| | | | | +---ro directory string
| | | | | +---ro file? string
| | | | | +---ro rbridge-id rbridge-ids-all-type
| | | | | +---ro (cluster-options)?
| | | | | | +---:(auto-activate)
| | | | | | | +---ro auto-activate? empty
| | | | | | +---:(coldboot)
| | | | | | | +---ro coldboot? empty
| | | | | +---ro use-vrf? common-def:vrf-name
| | | | +---ro output
| | | | | +---ro fwdl-cmd-status? int32
| | | | | +---ro fwdl-cmd-msg? string
| | | | | +---ro cluster-output
| | | | | | +---ro rbridge-id? uint32
| | | | | | +---ro fwdl-status? int32
| | | | | | +---ro fwdl-msg? string

```

Logical chassis configuration on an SCP server:

```

module: brocade-firmware
+---rw firmware
| +---rw download
| | +---rw logical-chassis
| | | +---ro scp
| | | | +---ro input

```

```

| | | | | +--ro user          string
| | | | | +--ro password?    string
| | | | | +--ro host          string
| | | | | +--ro directory     string
| | | | | +--ro file?         string
| | | | | +--ro rbridge-id     rbridge-ids-all-type
| | | | | +--ro (cluster-options)?
| | | | | | +--:(auto-activate)
| | | | | | | +--ro auto-activate? empty
| | | | | | +--:(coldboot)
| | | | | | +--ro coldboot?    empty
| | | | | +--ro use-vrf?      common-def:vrf-name
| | | | | +--ro output
| | | | | +--ro fwdl-cmd-status? int32
| | | | | +--ro fwdl-cmd-msg?   string
| | | | | +--ro cluster-output
| | | | | | +--ro rbridge-id?   uint32
| | | | | | +--ro fwdl-status?  int32
| | | | | | +--ro fwdl-msg?    string

```

Logical chassis configuration on an SFTP server:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw logical-chassis
| | | +--ro sftp
| | | | +--ro input
| | | | | +--ro user          string
| | | | | +--ro password?    string
| | | | | +--ro host          string
| | | | | +--ro directory     string
| | | | | +--ro file?         string
| | | | | +--ro rbridge-id     rbridge-ids-all-type
| | | | | +--ro (cluster-options)?
| | | | | | +--:(auto-activate)
| | | | | | | +--ro auto-activate? empty
| | | | | | +--:(coldboot)
| | | | | | +--ro coldboot?    empty
| | | | | +--ro use-vrf?      common-def:vrf-name
| | | | | +--ro output
| | | | | +--ro fwdl-cmd-status? int32
| | | | | +--ro fwdl-cmd-msg?   string
| | | | | +--ro cluster-output
| | | | | | +--ro rbridge-id?   uint32
| | | | | | +--ro fwdl-status?  int32
| | | | | | +--ro fwdl-msg?    string

```

Logical chassis configuration on an TFTP server:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw logical-chassis
| | | +--ro tftp
| | | | +--ro input
| | | | | +--ro host          string
| | | | | +--ro directory     string
| | | | | +--ro file?         string
| | | | | +--ro rbridge-id     rbridge-ids-all-type
| | | | | +--ro (cluster-options)?
| | | | | | +--:(auto-activate)
| | | | | | | +--ro auto-activate? empty
| | | | | | +--:(coldboot)
| | | | | | +--ro coldboot?    empty
| | | | | +--ro output
| | | | | +--ro fwdl-cmd-status? int32
| | | | | +--ro fwdl-cmd-msg?   string
| | | | | +--ro cluster-output
| | | | | | +--ro rbridge-id?   uint32
| | | | | | +--ro fwdl-status?  int32
| | | | | | +--ro fwdl-msg?    string

```

Logical chassis default configuration on an FTP server:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw logical-chassis

```

```

| | | +--rw default-config
| | | | +--ro ftp
| | | | | +--ro input
| | | | | | +--ro user          string
| | | | | | +--ro password?    string
| | | | | | +--ro host         string
| | | | | | +--ro directory    string
| | | | | | +--ro file?        string
| | | | | | +--ro use-vrf?     common-def:vrf-name
| | | | | | +--ro rbridge-id   rbridge-ids-all-type
| | | | | +--ro output
| | | | | | +--ro fwdl-cmd-status? int32
| | | | | | +--ro fwdl-cmd-msg?   string
| | | | | | +--ro cluster-output
| | | | | | | +--ro rbridge-id?   uint32
| | | | | | | +--ro fwdl-status?  int32
| | | | | | | +--ro fwdl-msg?    string

```

Logical chassis default configuration on an SCP server:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw logical-chassis
| | | +--rw default-config
| | | | +--ro scp
| | | | | +--ro input
| | | | | | +--ro user          string
| | | | | | +--ro password?    string
| | | | | | +--ro host         string
| | | | | | +--ro directory    string
| | | | | | +--ro file?        string
| | | | | | +--ro use-vrf?     common-def:vrf-name
| | | | | | +--ro rbridge-id   rbridge-ids-all-type
| | | | | +--ro output
| | | | | | +--ro fwdl-cmd-status? int32
| | | | | | +--ro fwdl-cmd-msg?   string
| | | | | | +--ro cluster-output
| | | | | | | +--ro rbridge-id?   uint32
| | | | | | | +--ro fwdl-status?  int32
| | | | | | | +--ro fwdl-msg?    string

```

Logical chassis default configuration on an SFTP server:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw logical-chassis
| | | +--rw default-config
| | | | +--ro sftp
| | | | | +--ro input
| | | | | | +--ro user          string
| | | | | | +--ro password?    string
| | | | | | +--ro host         string
| | | | | | +--ro directory    string
| | | | | | +--ro file?        string
| | | | | | +--ro use-vrf?     common-def:vrf-name
| | | | | | +--ro rbridge-id   rbridge-ids-all-type
| | | | | +--ro output
| | | | | | +--ro fwdl-cmd-status? int32
| | | | | | +--ro fwdl-cmd-msg?   string
| | | | | | +--ro cluster-output
| | | | | | | +--ro rbridge-id?   uint32
| | | | | | | +--ro fwdl-status?  int32
| | | | | | | +--ro fwdl-msg?    string

```

Logical chassis default configuration on an TFTP server:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw logical-chassis
| | | +--rw default-config
| | | | +--ro tftp
| | | | | +--ro input
| | | | | | +--ro host         string
| | | | | | +--ro directory    string
| | | | | | +--ro file?        string
| | | | | | +--ro rbridge-id   rbridge-ids-all-type

```

```

| | | +---ro output
| | |   +---ro fwdl-cmd-status?  int32
| | |   +---ro fwdl-cmd-msg?    string
| | |   +---ro cluster-output
| | |     +---ro rbridge-id?    uint32
| | |     +---ro fwdl-status?   int32
| | |     +---ro fwdl-msg?     string

```

Commit a firmware version:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--ro commit
| | | +--ro input
| | | +--ro output
| | | +--ro result?  string

```

Install a firmware version using FTP:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw install
| | | +--ro ftp
| | | | +--ro input
| | | | | +--ro user          string
| | | | | +--ro password?    string
| | | | | +--ro host         string
| | | | | +--ro directory    string
| | | | | +--ro file?        string
| | | | | +--ro manual?      empty
| | | | | +--ro rbridgeid?   common-def:rbridge-id-type
| | | | | +--ro vcs-id?      uint32
| | | | | +--ro vcs-mode?    uint32
| | | | | +--ro use-vrf?     common-def:vrf-name
| | | | +--ro output
| | | | | +--ro fwdl-tid?    int32
| | | | | +--ro fwdl-status? int32
| | | | | +--ro fwdl-msg?   string

```

Install a firmware version using SCP:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--rw install
| | | +--ro scp
| | | | +--ro input
| | | | | +--ro user          string
| | | | | +--ro password?    string
| | | | | +--ro host         string
| | | | | +--ro directory    string
| | | | | +--ro file?        string
| | | | | +--ro manual?      empty
| | | | | +--ro rbridgeid?   common-def:rbridge-id-type
| | | | | +--ro vcs-id?      uint32
| | | | | +--ro vcs-mode?    uint32
| | | | | +--ro use-vrf?     common-def:vrf-name
| | | | +--ro output
| | | | | +--ro fwdl-tid?    int32
| | | | | +--ro fwdl-status? int32
| | | | | +--ro fwdl-msg?   string

```

Restore a firmware version:

```

module: brocade-firmware
+--rw firmware
| +--rw download
| | +--ro restore
| | | +--ro input
| | | +--ro output
| | | +--ro result?  string

```

Synchronize firmware to peer processor:

```

module: brocade-firmware
+--rw firmware
| +--rw download

```

```

|   +--ro sync
|   |   +--ro input
|   |   +--ro output
|   |   +--ro result?   string

```

Activate the firmware:

```

module: brocade-firmware
+--rw firmware
|   +--rw download
|   +--ro activate
|   |   +--ro input
|   |   |   +--ro rbridge-id?   rbridge-ids-all-type
|   |   +--ro output
|   |   |   +--ro overall-status?   int32
|   |   |   +--ro overall-error-msg?   string
|   |   |   +--ro activate-output [rbridge-id]
|   |   |   +--ro rbridge-id   common-def:rbridge-id-type
|   |   +--ro status?   int32

```

Recover firmware:

```

module: brocade-firmware
+--rw firmware
|   +--rw download
|   +--ro recover
|   |   +--ro input
|   |   |   +--ro rbridge-id?   rbridge-ids-all-type
|   |   +--ro output
|   |   +--ro result?   string

```

Firmware clean-install using FTP:

```

module: brocade-firmware
+--rw firmware
|   +--rw install
|   |   +--ro ftp
|   |   |   +--ro input
|   |   |   |   +--ro user   string
|   |   |   |   +--ro password?   string
|   |   |   |   +--ro host   string
|   |   |   |   +--ro directory   string
|   |   |   |   +--ro file?   string
|   |   |   |   +--ro manual?   empty
|   |   |   |   +--ro rbridgeid?   common-def:rbridge-id-type
|   |   |   |   +--ro vcs-id?   uint32
|   |   |   |   +--ro vcs-mode?   uint32
|   |   |   |   +--ro keep-baseconfig?   empty
|   |   |   +--ro output
|   |   |   |   +--ro fwdl-tid?   int32
|   |   |   |   +--ro fwdl-status?   int32
|   |   |   |   +--ro fwdl-msg?   string

```

Firmware clean-install using SCP:

```

module: brocade-firmware
+--rw firmware
|   +--rw install
|   |   +--ro scp
|   |   |   +--ro input
|   |   |   |   +--ro user   string
|   |   |   |   +--ro password?   string
|   |   |   |   +--ro host   string
|   |   |   |   +--ro directory   string
|   |   |   |   +--ro file?   string
|   |   |   |   +--ro manual?   empty
|   |   |   |   +--ro rbridgeid?   common-def:rbridge-id-type
|   |   |   |   +--ro vcs-id?   uint32
|   |   |   |   +--ro vcs-mode?   uint32
|   |   |   |   +--ro keep-baseconfig?   empty
|   |   |   +--ro output
|   |   |   |   +--ro fwdl-tid?   int32
|   |   |   |   +--ro fwdl-status?   int32
|   |   |   |   +--ro fwdl-msg?   string

```

Reload the system without running POST:

```

module: brocade-firmware
+--rw reboot

```

```

|   +--ro fastboot
|   +--ro input

```

Enable the deployment of firmware download:

```

module: brocade-firmware
  +--rw dhcp
    +--rw auto-deployment
      +--ro enable
        +--ro input
        +--ro output
        +--ro dad-cmd-msg?  string

```

Delete a firmware version:

```

module: brocade-firmware
  +--rw write
    |   +--ro erase
    |   |   +--ro input
    |   |   |   +--ro rbridgeid?  common-def:rbridge-id-type
    |   |   |   +--ro vcs-id?      uint32
    |   |   |   +--ro vcs-mode?    uint32
    |   |   +--ro output
    |   |       +--ro fwdl-tid?      int32
    |   |       +--ro fwdl-status?  int32
    |   |       +--ro fwdl-msg?     string

```

Retrieve the current status of firmware download:

```

module: brocade-common-def
  +--rw show
    |   +--rw firmware:dhcp-auto-deployment
    |   |   +--ro firmware:dadstatus
    |   |   |   +--ro firmware:input
    |   |   |   +--ro firmware:output
    |   |   |   +--ro firmware:result?  string

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Action <i>tftp</i> was added within <i>firmware</i> (container) -> <i>download</i> (container). - Action <i>tftp</i> was added within <i>firmware</i> (container) > <i>download</i> (container) -> <i>default-config</i> (container). - Action <i>tftp</i> was added within <i>firmware</i> (container) -> <i>logical-chassis</i> (container). - Action <i>tftp</i> was added within <i>firmware</i> (container) -> <i>logical-chassis</i> (container) -> <i>default-config</i> (container).
6.0.1a	This YANG module was modified to include the following: - Leaf <i>auto-activate</i> was added within case <i>auto-activate</i> under choice <i>reboot-options</i> under <i>input</i> within RPC <i>firmware-download</i>. - Leaf <i>coldboot</i> was added within case <i>coldboot</i> under choice <i>reboot-options</i> under <i>input</i> within RPC <i>firmware-download</i>.

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>action ftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>action scp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>action sftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>default-config</i> (container) -> <i>action ftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>default-config</i> (container) -> <i>action scp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>default-config</i> (container) -> <i>action sftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>logical-chassis</i> (container) -> <i>action ftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>logical-chassis</i> (container) -> <i>action scp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>logical-chassis</i> (container) -> <i>action sftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>logical-chassis</i> (container) -> <i>default-config</i> (container) -> <i>action ftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>logical-chassis</i> (container) -> <i>default-config</i> (container) -> <i>action scp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>logical-chassis</i> (container) -> <i>default-config</i> (container) -> <i>action sftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>install</i> (container) -> <i>action ftp</i> -> <i>input</i>. • Leaf <i>use-vrf</i> was added within grouping <i>fwdl-inband-options</i> under <i>firmware</i> (container) -> <i>download</i> (container) -> <i>install</i> (container) -> <i>action scp</i> -> <i>input</i>.

brocade-firmware-ext

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

External augmentations

```
+--rw show
|   +--rw firmware-extensions:firmware /*drop-node-name*/
```

RPCs

Return firmware version information:

```
+---x show-firmware-version
+--ro input
|   +--ro switchid?    ras-extensions:switchid-type
+--ro output
+--ro show-firmware-version
+--ro switchid?        ras-extensions:switchid-type
+--ro os-name?         string
+--ro os-version?      string
+--ro copy-right-info? string
+--ro build-time?      string
+--ro firmware-full-version? string
+--ro control-processor-vendor? string
+--ro control-processor-chipset? string
+--ro control-processor-memory? 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
```

Actions

Return the firmware download status:

```
module: brocade-common-def
+--rw show
|   +--rw firmware-extensions:firmware
|   |   +--ro firmware-extensions:firmwaredownloadstatus
|   |   |   +--ro firmware-extensions:input
|   |   |   |   +--ro firmware-extensions:rbridge-id?    ras-extensions:switchid-
type
|   |   |   |   +--ro firmware-extensions:brief?         empty
|   |   |   |   +--ro firmware-extensions:summary?       empty
|   |   |   |   +--ro firmware-extensions:logical-chassis? empty
|   |   |   +--ro firmware-extensions:output
|   |   |   +--ro firmware-extensions:result?    string
```

Return the firmware download history:

```
module: brocade-common-def
+--rw show
|   +--rw firmware-extensions:firmware
|   |   +--ro firmware-extensions:firmwaredownloadhistory
|   |   |   +--ro firmware-extensions:input
|   |   |   |   +--ro firmware-extensions:rbridge-id?    string
|   |   |   +--ro firmware-extensions:output
|   |   |   +--ro firmware-extensions:result?    string
```

Check firmware:

```

module: brocade-common-def
  +--rw show
  |   +--rw firmware-extensions:firmware
  |   |   +--ro firmware-extensions:firmware
  |   |   |   +--ro firmware-extensions:input
  |   |   |   |   +--ro firmware-extensions:output
  |   |   |   |   |   +--ro firmware-extensions:result?   string

```

Return the firmware version string:

```

module: brocade-common-def
  +--rw show
  |   +--rw firmware-extensions:firmware
  |   |   +--ro firmware-extensions:version
  |   |   |   +--ro firmware-extensions:input
  |   |   |   |   +--ro firmware-extensions:rbridge-id?   ras-extensions:switchid-
type
  |   |   |   |   |   +--ro firmware-extensions:brief?   empty
  |   |   |   |   |   +--ro firmware-extensions:all-partitions?   empty
  |   |   |   |   |   +--ro firmware-extensions:output
  |   |   |   |   |   +--ro firmware-extensions:result?   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 sync
  +--rw system
```

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw ha:ha /*drop-node-name*/

module: brocade-common-def
  +--rw show
  |   +--rw ha:redundancy /*drop-node-name*/
```

RPCs

```
+---x redundancy
|   +--ro input
|   |   +--ro rbridge-id?   ras-extensions:switchid-type
|   +--ro output
|   |   +--ro rd_status?    int32
|   |   +--ro rd_mesg?     string
+---x reload
      +--ro input
      |   +--ro rbridge-id?   ras-extensions:switchid-type
      |   +--ro system?      empty
      +--ro standby?        empty
```

Actions

Enable HA:

```
module: brocade-ha
  +--rw ha
  |   +--ro enable
  |   |   +--ro input
```

Disable HA:

```
module: brocade-ha
  +--rw ha
  |   +--ro disable
  |   |   +--ro input
```

Reboot HA:

```
module: brocade-ha
  +--rw ha
  |   +--ro chassisreboot
  |   |   +--ro input
```

Check HA failover:

```
module: brocade-ha
  +--rw ha
  |   +--ro failover
  |   |   +--ro input
```

Start HA synchronization:

```
module: brocade-ha
  +--rw ha
  |   +--rw sync
  |   |   +--ro start
  |   |   |   +--ro input
  |   |   |   +--ro output
  |   |   +--ro result?   string
```

Stop HA synchronanization:

```
module: brocade-ha
  +--rw ha
  |   +--rw sync
  |   |   +--ro stop
  |   |   |   +--ro input
  |   |   |   +--ro output
  |   |   +--ro result?   string
```

Reboot the system:

```
module: brocade-ha
  +--rw system /*drop-node-name*/
  |   +--ro reload
  |   |   +--ro input
  |   |   |   +--ro rbridge-id?   ras-extensions:switchid-type
  |   |   |   +--ro system?       empty
  |   |   |   +--ro standby?      empty
  |   |   +--ro output
```

Check HA status:

```
module: brocade-common-def
  +--rw show
  |   +--rw ha:ha
  |   |   +--ro ha:ha
  |   |   |   +--ro ha:input
  |   |   |   |   +--ro ha:rbridge-id?   ras-extensions:switchid-type
  |   |   |   |   +--ro ha:all-partitions? empty
```

Display the current HA redundancy state:

```
module: brocade-common-def
  +--rw show
  |   +--rw ha:redundancy
  |   |   +--ro ha:redundancy
  |   |   |   +--ro ha:input
  |   |   |   |   +--ro ha:rbridge-id?   ras-extensions:switchid-type
```

History

Release version	History
7.0.0	This YANG module was modified to include the following: RPC <i>redundancy</i> containing leaf <i>rbridge-id</i> under <i>input</i> and leaves <i>rd_status</i> and <i>rd_mesg</i> under <i>output</i> were added.

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 sfp
      |   +--rw breakout?  empty
    +--rw port-group [name]
      | +--rw name      interface:port-group-type
      | +--rw mode
      |   +--rw performance?      empty
      |   +--rw portgroup-speed?   portgroup-speed-type /*drop-node-name*/
      |   +--ro support_performance?  boolean
      |   +--ro support_multispeed?   boolean
    +--rw connector-group [id]
      | +--rw id      connector-group-type
      | +--rw speed?   connector-speed-type
    +--rw flexport [id] /*alt-name:flexport*/
      | +--rw id      interface:interface-type
      | +--rw flexport_type /*drop-node-name*/
      |   +--rw type?      port-type
      |   +--rw instance?   int32
      |   +--rw skip_deconfig?  empty
    +--rw custom-profile
      +--rw kap-custom-profile [name] /*alt-name:kap*/
        +--rw name      string
        +--rw lacp
          | +--rw lacp_hello_interval?  lacp-kap-intervaltype /*alt-name:hello-
interval*/
          | +--rw lacp_num_entry?      uint32 /*alt-name:num-entry*/
        +--rw xstp
          | +--rw xstp_hello_interval?  uint32 /*alt-name:hello-interval*/
          | +--rw xstp_num_entry?      uint32 /*alt-name:num-entry*/
        +--rw rpvt
          | +--rw rpvt_hello_interval?  uint32 /*alt-name:hello-interval*/
          | +--rw rpvt_num_entry?      uint32 /*alt-name:num-entry*/
        +--rw udld
          | +--rw udld_hello_interval?  uint32 /*alt-name:hello-interval*/
          | +--rw udld_num_entry?      uint32 /*alt-name:num-entry*/
        +--rw bfd-vxlan
          | +--rw bfd_vxlan_hello_interval?  uint32 /*alt-name:hello-interval*/
          | +--rw bfd_vxlan_num_entry?      uint32 /*alt-name:num-entry*/
        +--rw bfd-l3
          | +--rw bfd_l3_hello_interval?  uint32 /*alt-name:hello-interval*/
          | +--rw bfd_l3_num_entry?      uint32 /*alt-name:num-entry*/
        +--rw fcoe
          +--rw fcoe_hello_interval?  uint32 /*alt-name:hello-interval*/
          +--rw fcoe_num_entry?      uint32 /*alt-name:num-entry*/

```

External augmentations

```

module: brocade-common-def
  +--rw show
    | +--rw hardware:hardware
    | +--rw hardware:hardware-profile /*drop-node-name*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw hardware:hardware-profile /*drop-node-name*/
    | +--rw hardware:tcam
    | | +--rw hardware:predefined /*drop-node-name*/
    | | +--rw hardware:tcam_profiletype?  tcam-profile-subtype /*drop-node-
name*/
    | +--rw hardware:route-table
    | | +--rw hardware:predefined /*drop-node-name*/

```

```

| | | +--rw hardware:routing_profiletype? routing-profile-subtype /*drop-
node-name*/
| | | +--rw hardware:routing_parameter /*drop-node-name*/
| | | | +--rw hardware:maximum_paths? ecmp-subtype
| | | | +--rw hardware:openflow_enable? openflow-subtype /*alt-
name:openflow*/
| | | +--rw hardware:vlan-classification
| | | | +--rw hardware:predefined /*drop-node-name*/
| | | | +--rw hardware:vlan_profiletype? vlan-classification-subtype /*drop-
node-name*/
| | | +--rw hardware:kap
| | | | +--rw hardware:predefined /*drop-node-name*/
| | | | | +--rw hardware:kap_profiletype? kap-profile-subtype /*drop-node-
name*/
| | | | +--rw hardware:customized /*alt-name:custom-profile*/
| | | | +--rw hardware:kap_filename? string /*alt-name:name*/

```

RPCs

```

+---x get-flexports
+--ro output
+--ro flexport-list
+--ro port-id? string

```

Actions

Check hardware:

```

module: brocade-common-def
+--rw show
| +--rw hardware:hardware
| | +--ro hardware:connector-group
| | | +--ro hardware:input
| | | +--ro hardware:output
| | +--ro hardware:port-group
| | | +--ro hardware:input
| | | +--ro hardware:rbridge-id? common-def:rbridge-id-type

```

Check hardware profile:

```

module: brocade-common-def
+--rw show
| +--rw hardware:hardware-profile /*drop-node-name*/
| | +--ro hardware:hardware-profile
| | | +--ro hardware:input
| | | | +--ro (profile-type)?
| | | | | +--:(tcam)
| | | | | | +--ro hardware:tcam tcam-profile-subtype
| | | | | +--:(route-table)
| | | | | | +--ro hardware:routing /*drop-node-name*/
| | | | | | | +--ro hardware:route-table routing-profile-subtype
| | | | | | | +--ro hardware:openflow-flag? empty /*alt-name:openflow*/
| | | | +--:(vlan)
| | | | | +--ro hardware:vlan vlan-classification-subtype
| | | | | +--:(kap)
| | | | | | +--ro hardware:kap kap-profile-subtype
| | | | | +--:(current)
| | | | | | +--ro hardware:current empty
| | | +--ro hardware:rbridge-id? common-def:rbridge-id-all-type
| +--ro hardware:output

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Container <i>custom-profile</i> was added within container <i>hardware</i> with the following attributes: - List <i>kap-custom-profile</i> containing leaf <i>name</i>. - Container <i>lcp</i> with leaves <i>lcp_hello_interval</i> and <i>lcp_num_entry</i>. - Container <i>xstp</i> with leaves <i>xstp_hello_interval</i> and <i>xstp_num_entry</i>. - Container <i>rpvst</i> with leaves <i>rpvst_hello_interval</i> and <i>rpvst_num_entry</i>. - Container <i>udld</i> with leaves <i>udld_hello_interval</i> and <i>udld_num_entry</i>. - Container <i>bfd-vxlan</i> with leaves <i>bfd_vxlan_hello_interval</i> and <i>bfd_vxlan_num_entry</i>. - Container <i>bfd-l3</i> with leaves <i>bfd_l3_hello_interval</i> and <i>bfd_l3_num_entry</i>. - Container <i>fcoe</i> with leaves <i>fcoe_hello_interval</i> and <i>fcoe_num_entry</i>. - Container <i>kap</i> was added in augment to brocade-rbridge -> <i>hardware-profile</i> (container) with the following attributes: - Container <i>predefined</i> with leaf <i>kap_profiletype</i>. - Container <i>customized</i> with leaf <i>kap_profilename</i>.
7.0.0	This YANG module was modified to include the following: - Action <i>port-group</i> was added in augment to /common-def:show -> <i>hardware</i> (container). - Leaf <i>rbridge-id</i> was added within action <i>port-group</i>. - Leaves <i>performance</i>, <i>portgroup-speed</i>, <i>support_performance</i> and <i>support_multispeed</i> were added under <i>hardware</i> (container) -> <i>port-group</i> (list).

brocade-http-config

Provides a data model for configuring the HTTP server.

Top-level container

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

External augmentations

```
module: brocade-common-def
  +--rw show
  | +--rw http-config:http
  | | +--rw http-config:server
  | | | +--rw http-config:shutdown? empty
  | | | +--rw http-config:http-vrf-cont /*drop-node-name*/
  | | |   +--rw http-config:use-vrf [use-vrf-name]
  | | |   +--rw http-config:use-vrf-name string
  | | |   +--rw http-config:http-vrf-shutdown? empty

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw http-config:http
  | +--rw http-config:server
  | | +--rw http-config:shutdown? empty
  | | +--rw http-config:http-vrf-cont /*drop-node-name*/
  | |   +--rw http-config:use-vrf [use-vrf-name]
  | |   +--rw http-config:use-vrf-name string
  | |   +--rw http-config:http-vrf-shutdown? empty
```

Actions

```
module: brocade-common-def
  +--rw show
  | +--rw http-config:http
  | | +--rw http-config:server
  | | | +--ro http-config:status
  | | | +--ro http-config:input
  | | | | +--ro http-config:rbridge-id? common-def:rbridge-id-all-type
  | | | +--ro http-config:output
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: Action <i>status</i> was added in augment to common-def:show -> <i>http</i> (container) -> <i>server</i> (container).

Release version	History
7.0.0	This YANG module was modified to include the following: • Container <i>http-vrf-cont</i> was added under <i>http-group</i> (grouping) -> <i>http</i> (container) -> <i>server</i> (container). • Leaves <i>use-vrf-name</i> and <i>http-vrf-shutdown</i> were added within container <i>http-vrf-cont</i>. • Container <i>http-vrf-cont</i> was added under <i>http-group</i> (grouping) -> <i>http</i> (container) -> <i>server</i> (container) in augment to <i>/rbridge:rbridge-id</i>. • Leaves <i>use-vrf-name</i> and <i>http-vrf-shutdown</i> were added within container <i>http-vrf-cont</i> in augment to <i>/rbridge:rbridge-id</i>.

brocade-http-redirect

Provides a data model to redirect the HTTP server.

RPCs

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

brocade-icmp

Provides a data model for configuring Internet Control Message Protocol (ICMP) parameters such as echo reply, rate limiting and unreachable destination, which are used in controlling ICMP frames.

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id                                     uint32
  +--ro brocade-interface:interface
  | +--ro brocade-interface:ve [name]
  | | +--ro ip-config:ip
  | | | +--ro icmp:icmp
  | | | | +--ro icmp:echo-reply?          empty
  | | | | +--ro icmp:rate-limiting?       uint32
  | | | | +--ro icmp:unreachable?         empty
  | | | | +--ro icmp:redirect?            empty
  | | | | +--ro icmp:address-mask?        empty
  | | +--ro ipv6-config:ipv6
  | | | +--ro icmp:icmpv6
  | | | | +--ro icmp:echo-reply?          empty
  | | | | +--ro icmp:rate-limiting?       uint32
  | | | | +--ro icmp:unreachable?         empty
  | | | | +--ro icmp:redirect?            empty

```

```

module: brocade-interface
  +--rw interface
  | +--rw fortygigabitethernet [name]
  | | +--rw ip
  | | | +--rw icmp:icmp
  | | | | +--rw icmp:echo-reply?          empty
  | | | | +--rw icmp:rate-limiting?       uint32
  | | | | +--rw icmp:unreachable?         empty
  | | | | +--rw icmp:redirect?            empty
  | | | | +--rw icmp:address-mask?        empty
  | | +--rw ipv6
  | | | +--rw icmp:icmpv6
  | | | | +--rw icmp:echo-reply?          empty
  | | | | +--rw icmp:rate-limiting?       uint32
  | | | | +--rw icmp:unreachable?         empty
  | | | | +--rw icmp:redirect?            empty

```

```

module: brocade-interface
  +--rw interface
  | +--rw hundredgigabitethernet [name]
  | | +--rw ip
  | | | +--rw icmp:icmp
  | | | | +--rw icmp:echo-reply?          empty
  | | | | +--rw icmp:rate-limiting?       uint32
  | | | | +--rw icmp:unreachable?         empty
  | | | | +--rw icmp:redirect?            empty
  | | | | +--rw icmp:address-mask?        empty
  | | +--rw ipv6
  | | | +--rw icmp:icmpv6
  | | | | +--rw icmp:echo-reply?          empty
  | | | | +--rw icmp:rate-limiting?       uint32
  | | | | +--rw icmp:unreachable?         empty
  | | | | +--rw icmp:redirect?            empty

```

```

module: brocade-interface
  +--rw interface
  | +--rw tengigabitethernet [name]
  | | +--rw ip
  | | | +--rw icmp:icmp
  | | | | +--rw icmp:echo-reply?          empty
  | | | | +--rw icmp:rate-limiting?       uint32
  | | | | +--rw icmp:unreachable?         empty
  | | | | +--rw icmp:redirect?            empty
  | | | | +--rw icmp:address-mask?        empty

```

```

| | +--rw ipv6
| | | +--rw icmp:icmpv6
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:unreachable? empty
| | | | +--rw icmp:redirect? empty
|
module: brocade-interface
+--rw interface
| +--rw gigabitethernet [name]
| | +--rw ip
| | | +--rw icmp:icmp
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:unreachable? empty
| | | | +--rw icmp:redirect? empty
| | | | +--rw icmp:address-mask? empty
| | +--rw ipv6
| | | +--rw icmp:icmpv6
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:unreachable? empty
| | | | +--rw icmp:redirect? empty
|
module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw ip
| | | +--rw icmp:icmp
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:unreachable? empty
| | | | +--rw icmp:redirect? empty
| | | | +--rw icmp:address-mask? empty
| | +--rw ipv6
| | | +--rw icmp:icmpv6
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:unreachable? empty
| | | | +--rw icmp:redirect? empty

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: Support for interface port-channel.

brocade-igmp

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

External augmentations

```

module: brocade-interface
+--rw interface
|   +--rw hundredgigabitethernet[name]
|       |   +--rw ip
|           |   +--rw igmp:igmp-phy-intf-cfg /*drop-node-name*/
|               |   +--rw igmp:igmp
|                   |   +--rw igmp:last-member-query-interval?    igmp-snooping:lmqt-type
|                       |   +--rw igmp:query-interval?             igmp-snooping:qi-type
|                           |   +--rw igmp:query-max-response-time? igmp-snooping:qmrt-type
|                               |   +--rw igmp:last-member-query-count? igmp-snooping:lmqc-type
|                                   |   +--rw igmp:startup-query-count? igmp-snooping:sqc-type
|                                       |   +--rw igmp:startup-query-interval? igmp-snooping:sqi-type
|                                           |   +--rw igmp:robustness-variable?    igmp-snooping:rob-type
|                                               |   +--rw igmp:immediate-leave?      empty
|                                                   |   +--rw igmp:static-group [sg-addr]
|                                                       +--rw igmp:sg-addr    inet:ipv4-address

module: brocade-interface
+--rw interface
|   +--rw fortygigabitethernet [name]
|       |   +--rw ip
|           |   +--rw igmp:igmp-phy-intf-cfg /*drop-node-name*/
|               |   +--rw igmp:igmp
|                   |   +--rw igmp:last-member-query-interval?    igmp-snooping:lmqt-type
|                       |   +--rw igmp:query-interval?             igmp-snooping:qi-type
|                           |   +--rw igmp:query-max-response-time? igmp-snooping:qmrt-type
|                               |   +--rw igmp:last-member-query-count? igmp-snooping:lmqc-type
|                                   |   +--rw igmp:startup-query-count? igmp-snooping:sqc-type
|                                       |   +--rw igmp:startup-query-interval? igmp-snooping:sqi-type
|                                           |   +--rw igmp:robustness-variable?    igmp-snooping:rob-type
|                                               |   +--rw igmp:immediate-leave?      empty
|                                                   |   +--rw igmp:static-group [sg-addr]
|                                                       +--rw igmp:sg-addr    inet:ipv4-address

module: brocade-interface
+--rw interface
|   +--rw tengigabitethernet [name]
|       |   +--rw ip
|           |   +--rw igmp:igmp-phy-intf-cfg /*drop-node-name*/
|               |   +--rw igmp:igmp
|                   |   +--rw igmp:last-member-query-interval?    igmp-snooping:lmqt-type
|                       |   +--rw igmp:query-interval?             igmp-snooping:qi-type
|                           |   +--rw igmp:query-max-response-time? igmp-snooping:qmrt-type
|                               |   +--rw igmp:last-member-query-count? igmp-snooping:lmqc-type
|                                   |   +--rw igmp:startup-query-count? igmp-snooping:sqc-type
|                                       |   +--rw igmp:startup-query-interval? igmp-snooping:sqi-type
|                                           |   +--rw igmp:robustness-variable?    igmp-snooping:rob-type
|                                               |   +--rw igmp:immediate-leave?      empty
|                                                   |   +--rw igmp:static-group [sg-addr]
|                                                       +--rw igmp:sg-addr    inet:ipv4-address

module: brocade-interface
+--rw interface
|   +--rw gigabitethernet [name]
|       |   +--rw ip
|           |   +--rw igmp:igmp-phy-intf-cfg /*drop-node-name*/
|               |   +--rw igmp:igmp
|                   |   +--rw igmp:last-member-query-interval?    igmp-snooping:lmqt-type
|                       |   +--rw igmp:query-interval?             igmp-snooping:qi-type
|                           |   +--rw igmp:query-max-response-time? igmp-snooping:qmrt-type
|                               |   +--rw igmp:last-member-query-count? igmp-snooping:lmqc-type
|                                   |   +--rw igmp:startup-query-count? igmp-snooping:sqc-type
|                                       |   +--rw igmp:startup-query-interval? igmp-snooping:sqi-type
|                                           |   +--rw igmp:robustness-variable?    igmp-snooping:rob-type

```

```

| | | | +--rw igmp:immediate-leave? empty
| | | | +--rw igmp:static-group [sg-addr]
| | | | +--rw igmp:sg-addr inet:ipv4-address

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw ip
| | | +--rw igmp:igmp-po-intf-cfg /*drop-node-name*/
| | | +--rw igmp:igmp
| | | | +--rw igmp:last-member-query-interval? igmp-snooping:lmqt-type
| | | | +--rw igmp:query-interval? igmp-snooping:qi-type
| | | | +--rw igmp:query-max-response-time? igmp-snooping:qmrt-type
| | | | +--rw igmp:immediate-leave? empty
| | | | +--rw igmp:last-member-query-count? igmp-snooping:lmqc-type
| | | | +--rw igmp:startup-query-count? igmp-snooping:sgc-type
| | | | +--rw igmp:startup-query-interval? igmp-snooping:sqi-type
| | | | +--rw igmp:robustness-variable? igmp-snooping:rob-type
| | | +--rw igmp:static-group [sg-addr]
| | | +--rw igmp:sg-addr inet:ipv4-address

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: - Leaves <i>last-member-query-count</i>, <i>startup-query-count</i>, <i>startup-query-interval</i>, and <i>robustness-variable</i> were added within container <i>igmp</i> under grouping <i>igmp-phy-intf-cfg-cmd</i> in augment to the following: /interface:interface/interface:gigabitethernet/interface:ip /interface:interface/interface:tengigabitethernet/interface:ip /interface:interface/interface:fortygigabitethernet/interface:ip /interface:interface/interface:hundredgigabitethernet/interface:ip - Support for interface port-channel.

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 /*drop-node-name*/
    +--rw ip
      +--rw igmp
        +--rw snooping
          +--rw enable? empty
```

External augmentations

```
module: brocade-interface
+--rw interface-vlan
|   +--rw interface
|   |   +--rw vlan [name]
|   |   |   +--rw ip
|   |   |   |   +--rw igmp-snooping:igmp
|   |   |   |   |   +--rw igmp-snooping:last-member-query-interval? lmqi-type
|   |   |   |   |   +--rw igmp-snooping:query-interval? qi-type
|   |   |   |   |   +--rw igmp-snooping:query-max-response-time? qmrt-type
|   |   |   |   |   +--rw igmp-snooping:last-member-query-count? lmqc-type
|   |   |   |   |   +--rw igmp-snooping:startup-query-count? sqc-type
|   |   |   |   |   +--rw igmp-snooping:startup-query-interval? sqi-type
|   |   |   |   |   +--rw igmp-snooping:robustness-variable? rob-type
|   |   |   |   +--rw igmp-snooping:snooping
|   |   |   |   |   +--rw igmp-snooping:enable? empty
|   |   |   |   |   +--rw igmp-snooping:fast-leave? empty
|   |   |   |   |   +--rw igmp-snooping:mrouter-timeout? mrti-type
|   |   |   |   |   +--rw igmp-snooping:restrict-unknown-multicast? empty
|   |   |   |   |   +--rw igmp-snooping:querier
|   |   |   |   |   |   +--rw igmp-snooping:qenable? empty /*alt-name:enable*/
|   |   |   |   +--rw igmp-snooping:mrouter
|   |   |   |   |   +--rw igmp-snooping:interface [if-type value]
|   |   |   |   |   |   +--rw igmp-snooping:if-type enumeration
|   |   |   |   |   |   +--rw igmp-snooping:value string-type
|   |   |   |   +--rw igmp-snooping:static-group [mcast-address interface if-type
value]
|   |   |   |   |   +--rw igmp-snooping:mcast-address inet:ipv4-address
|   |   |   |   |   +--rw igmp-snooping:interface enumeration
|   |   |   |   |   +--rw igmp-snooping:if-type enumeration
|   |   |   |   |   +--rw igmp-snooping:value string-type
```

History

Release version	History
7.0.0	This YANG module was modified to include the following: - Container <i>pim</i> was added under container <i>igmp-snooping</i>. - Leaves <i>last-member-query-count</i>, <i>startup-query-count</i>, <i>startup-query-interval</i>, and <i>robustness-variable</i> were added within container <i>igmp</i> in augment to <i>/interface:interface-vlan/interface:interface/interface:vlan/interface:ip</i>.

brocade-interface

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

[Table 3](#) lists the Ethernet interfaces and other entities modeled by high-level nodes in this management module.

TABLE 3 Entities managed through brocade-interface module

High-level node name	Description
interface/fc-port	Models Fibre Channel interfaces
interface/ fortygigabitethernet	Models 40-GbE physical Ethernet interfaces
interface/gigabitethernet	Models 1-GbE physical Ethernet interfaces
interface/management	Models the management port or management interfaces
interface/port-channel	Models port-channel or LAG interfaces
interface/ tengigabitethernet	Models 10-GbE physical Ethernet interfaces
interface/ hundredgigabitethernet	Models 100-GbE physical Ethernet interfaces
interface-vlan	Models Layer 2 VLAN interfaces
protocol	Models protocol configuration and status
reserved-vlan	Models the reserved VLAN configuration

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

High level nodes:

```
module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   +--rw tengigabitethernet [name]
  |   +--rw fortygigabitethernet [name]
  |   +--rw hundredgigabitethernet [name]
  |   +--rw port-channel [name]
  |   +--rw management [name]
  |   +--rw fc-port [name]
  +--rw interface-vlan
  |   +--rw interface
  +--rw protocol
  +--rw reserved-vlan
```

interface/fc-port:

```
module: brocade-interface
  +--rw interface
```

```

|   +---rw fc-port [name] /*alt-name:FibreChannel*/
|   |   +---rw name          interface-type
|   |   +---rw fc-speed-cfg?  fc-speed-cfg-type /*alt-name:speed*/
|   |   +---rw fill-word?     fc-fillword-cfg-type
|   |   +---rw long-distance?  fc-long-distance-cfg-type
|   |   +---rw vc-link-init?   fc-vc-link-init-cfg-type
|   |   +---rw desire-distance? desire-distance-type
|   |   +---rw isl-r_rdy-mode?  empty /*alt-name:isl-r_rdy*/
|   |   +---rw trunk-enable?   empty /*alt-name:enable*/
|   |   +---rw shutdown?      empty
|   |   +---rw config-mode?    interface-fc-config-mode-type
|   |   +---rw fec-enable?     empty
|   |   +---rw description?    string

```

interface/gigabitethernet:

```

module: brocade-interface
+---rw interface
|   +---rw gigabitethernet [name] /*alt-name:GigabitEthernet*/
|   |   +---rw name          interface-type
|   |   +---ro ifindex?      uint64
|   |   +---rw description?   string
|   |   +---rw shutdown?     empty
|   |   +---rw channel-group
|   |   |   +---rw port-int?   portchannel-type /*drop-node-name*/
|   |   |   |   +---rw mode?    po-mode
|   |   |   |   +---rw type?    po-type
|   |   +---rw mtu?          mtu-type
|   |   +---rw switchport-basic /*drop-node-name*/
|   |   |   +---rw basic?      empty /*alt-name:switchport*/
|   |   +---rw switchport
|   |   |   +---rw mode
|   |   |   |   +---rw vlan-mode?    12-mode-type /*drop-node-name*/
|   |   |   |   +---rw private-vlan
|   |   |   |   |   +---rw private-vlan-trunk /*alt-name:"trunk"*/
|   |   |   |   |   |   +---rw trunk-basic?      empty /*drop-node-name*/
|   |   |   |   |   |   |   +---rw trunk-promiscuous? empty /*alt-name:"promiscuous"*/
|   |   |   |   |   |   |   +---rw trunk-host?    empty /*alt-name:"host"*/
|   |   |   |   |   |   |   +---rw promiscuous?    empty
|   |   |   |   |   |   |   +---rw host?          empty
|   |   |   +---rw port-security?
|   |   |   |   +---rw port-sec-max?      uint32 /*alt-name:max*/
|   |   |   |   +---rw port-sec-violation? port-sec-violation /*alt-
name:violation*/
|   |   |   +---rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
|   |   |   |   +---rw mac-address      mac-address-type
|   |   |   |   +---rw port-sec-vlan     vlan-type /*alt-name:vlan*/
|   |   |   +---rw sticky
|   |   |   |   +---rw sticky-flag?      empty /*drop-node-name*/
|   |   |   +---rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
|   |   |   |   +---rw mac-address      mac-address-type
|   |   |   |   +---rw port-sec-vlan     vlan-type /*alt-name:vlan*/
|   |   |   +---rw allowed-ouis [oui] /*drop-node-name*/
|   |   |   |   +---rw oui              oui-type
|   |   |   +---rw shutdown-time?      uint32
|   |   +---rw access
|   |   |   +---rw accessvlan?          vlan-type /*alt-name:vlan*/
|   |   |   +---rw rspan-access /*drop-node-name*/
|   |   |   |   +---rw rspan-access-vlan?  vlan-type /*alt-name:rspan-vlan*/
|   |   +---rw access-mac-group-vlan-classification /*drop-node-name*/
|   |   |   +---rw access
|   |   |   |   +---rw vlan [access-vlan-id access-mac-group]
|   |   |   |   |   +---rw access-vlan-id      vlan-type
|   |   |   |   |   +---rw access-mac-group    mac-group-id-type /*alt-name mac-
group*/
|   |   |   +---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 /*alt-name:mac*/
|   |   +---rw trunk-private-vlan-classification /*drop-node-name*/
|   |   |   +---rw private-vlan
|   |   |   |   +---rw trunk
|   |   |   |   |   +---rw allowed
|   |   |   |   |   |   +---rw vlan
|   |   |   |   |   |   |   +---rw add [trunk-vlan-id trunk-ctag-id]

```

```
| | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type  
| | | | | | +-+rw trunk-ctag-id dot1q-vlan-type /*alt-name:ctag*/  
|--rw remove [trunk-vlan-id trunk-ctag-id]  
| | | | | | +-+rw trunk-vlan-id non-dot1q-vlan-type  
| | | | | | +-+rw trunk-ctag-id dot1q-vlan-type /*alt-name:ctag*/  
  
+-+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  
| | +-+rw rspan-vlan  
| | | +-+rw add-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-  
name:add*/  
| | | +-+rw remove-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-  
name:remove*/  
| | +-+rw trunk-rspan-vlan-classification /*drop-node-name*/  
| +-+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 /*alt-name:ctag*/  
| | +-+rw remove [trunk-vlan-id trunk-ctag-id]  
| | | +-+rw trunk-vlan-id non-dot1q-vlan-type  
| | | +-+rw trunk-ctag-id dot1q-vlan-type /*alt-name:ctag*/  
+-+rw trunk-vlan-classification /*drop-node-name*/  
| +-+rw allowed  
| | +-+rw vlan  
| | | +-+rw add [trunk-vlan-id]  
| | | | +-+rw trunk-vlan-id non-dot1q-vlan-type  
| | | | +-+rw trunk-ctag-range? ui32-ctag-range /*alt-name:ctag*/  
| | | +-+rw remove [trunk-vlan-id]  
| | | | +-+rw trunk-vlan-id non-dot1q-vlan-type  
| | | | +-+rw trunk-ctag-range? ui32-ctag-range /*alt-name:ctag*/  
+-+rw default-vlan-config /*drop-node-name*/  
| +-+rw default-transparent-vlan? non-dot1q-vlan-type /*alt-  
name:default-vlan*/  
| +-+rw tag?  
| | +-+rw native-vlan? empty  
+-+rw native-vlan-classification /*drop-node-name*/  
| | +-+rw native-vlan-id? native-vlan-type /*alt-name:native-  
vlan*/  
| | +-+rw native-vlan-ctag-id? dot1q-vlan-type /*alt-name:ctag*/  
+-+rw native-vlan-xtagged-config /*drop-node-name*/  
| | +-+rw native-vlan-id-xtagged? vlan-type /*alt-  
name:native-vlan-xtagged*/  
| +-+rw native-vlan-ctag-id-xtagged? dot1q-vlan-type /*alt-  
name:ctag*/  
| +-+rw native-vlan-egress-type-xtagged? enumeration /*alt-  
name:egress*/  
+-+rw native-vlan-untagged-config /*drop-node-name*/  
| +-+rw native-vlan-id-untagged? vlan-type /*alt-name:native-vlan-  
untagged*/  
+-+rw private-vlan  
| +-+rw trunk  
| | +-+rw pvlan-tag /*alt-name>tag*/  
| | | +-+rw pvlan-tag-native-vlan? empty /*alt-name:native-vlan*/  
| | +-+rw native  
| | | +-+rw pvlanNativevlan? vlan-type /*alt-name:vlan*/  
| | | +-+rw pvlan-native-vlan-ctag-id? dot1q-vlan-type /*alt-  
name:ctag*/  
| | +-+rw allowed  
| | | +-+rw vlan  
| | | | +-+rw pvlan_all? empty /*alt-name:all*/  
| | | | +-+rw pvlan_none? empty /*alt-name:none*/  
| | | | +-+rw pvlan_add? ui32-1k-vlan-range /*alt-name:add*/  
| | | | +-+rw pvlan_except? ui32-1k-vlan-range /*alt-name:except*/  
| | | | +-+rw pvlan_remove? ui32-1k-vlan-range /*alt-name:remove*/  
+-+rw host-association  
| +-+rw host-pri-pvlan? vlan-type /*drop-node-name*/  
| +-+rw host-sec-pvlan? vlan-type /*drop-node-name*/  
+-+rw association  
| +-+rw trunk [trunk-pri-pvlan trunk-sec-pvlan]  
| | +-+rw trunk-pri-pvlan vlan-type  
| | +-+rw trunk-sec-pvlan vlan-type  
+-+rw mapping [promis-pri-pvlan]  
| +-+rw promis-pri-pvlan vlan-type
```

```

| | | | | +---rw oper? secVlan-opp-type /*drop-node-name*/
| | | | | +---rw promis-sec-pvlan-range? ui32-range-8091 /*drop-node-name*/
| | | | | +---rw access-mac-rspan-vlan-classification /*drop-node-name*/
| | | | | +---rw access
| | | | | +---rw vlan [access-vlan-id access-mac-address] /*alt-name:rspan-
vlan*/
| | | | | +---rw access-vlan-id vlan-type
| | | | | +---rw access-mac-address mac-address-type /*alt-name:mac*/
| | | | | +---rw access-mac-group-rspan-vlan-classification /*drop-node-name*/
| | | | | +---rw access
| | | | | +---rw vlan [access-vlan-id access-mac-group /*alt-name:rspan-vlan*/
| | | | | +---rw access-vlan-id vlan-type
| | | | | +---rw access-mac-group mac-group-id-type /*alt-name:mac-
group*/
| | | | | +---rw mac-learning
| | | | | +---rw mac-learn-disable /*alt-name:disable*/
| | | | | +---rw vlan
| | | | | +---rw mac-learning-vlan-add? ui32-range-8091 /*alt-
name:"add"*/
| | | | | +---rw mac-learning-vlan-remove? ui32-range-8091 /*alt-
name:"remove"*/
| | | | | +---rw ip
| | | | | +---rw vrf
| | | | | | +---rw forwarding? common-def:vrf-name
| | | | | +---rw ipv6
| | | | | | +---rw raguard? empty
| | | | | +---rw snmp
| | | | | | +---rw trap
| | | | | | +---rw link-snmp-trap-status? empty /*alt-name:"link-status"*/
| | | | | +---rw track
| | | | | | +---rw track enable? empty /*alt-name:enable*/
| | | | | | +---rw min-link? uint32
| | | | | | +---rw interface [track-interface-type track-interface-name]
| | | | | | | +---rw track-interface-type enumeration /*drop-node-name*/
| | | | | | | +---rw track-interface-name string /*drop-node-name*/
| | | | | | +---rw remove
| | | | | | +---rw remove-all-track-interfaces? empty /*alt-name:all*/
| | | | | +---rw tunable-optics
| | | | | | +---rw sfpp
| | | | | | +---rw channel? tunable-optics-sfpp-channel-type

```

interface/management:

```

module: brocade-interface
+---rw interface
| | +---rw management [name] /*alt-name:Management*/
| | | +---rw name man-interface-type
| | | +---rw tcp
| | | | +---rw tcp_burstrate? uint32 /*alt-name:burstrate*/
| | | | +---rw tcp_lockdown? uint32 /*alt-name:lockup*/
| | | +---rw ip
| | | | +---rw icmp
| | | | | +---rw unreachable? empty
| | | | | +---rw echo_reply? empty /*alt-name:echo-reply*/
| | | | | +---rw rate_limiting? uint32 /*alt-name:rate-limiting*/
| | | | +---rw address
| | | | | +---rw dhcp? empty
| | | | | +---rw ip-address? common-def:ipv4-address-prefix-type /*drop-node-
name*/
| | | | +---rw gateway /*drop-node-name*/
| | | | | +---rw gateway-address? inet:ipv4-address
| | | | | +---rw oper-address /*alt-name:address*/
| | | | | +---ro oper-ip-address? common-def:ipv4-address-prefix-type /*alt-
name:ip-address*/; /*drop-node-name*/
| | | | +---rw oper-gateway-con /*drop-node-name*/
| | | | | +---ro oper-gateway? inet:ipv4-address /*alt-name:gateway-address*/
| | | +---rw ipv6
| | | | +---rw icmpv6
| | | | | +---rw v6_unreachable? empty /*alt-name:unreachable*/
| | | | | +---rw v6_echo_reply? empty /*alt-name echo-reply*/
| | | | | +---rw v6_rate_limiting? uint32 /*alt-name:rate-limiting*/
| | | | +---rw ipv6-address-cont /*alt-name:address*/
| | | | | +---rw ipv6-global-cont /*drop-node-name*/
| | | | | +---rw ipv6-global-address? common-def:ipv6-address-prefix /
*drop-node-name*/
| | | | | +---rw ipv6-global-address-eui64? empty /*alt-name:eui-64*/
| | | | | +---rw autoconfig? empty
| | | | | +---rw dhcpv6? empty /*alt-name:dhcp*/

```

```

| | | +--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 /*alt-name:forwarding*/
| | | +--rw speed?             enumeration
| | | +--rw line-speed
| | | | +--ro actual?          string
| | | | +--ro configured?     string
| | | +--rw shutdown_management?  empty /*alt-name:shutdown*/
| | | +--ro shutdown_management_oper? string /*alt-name:oper-status*/

```

interface/port-channel:

module: brocade-interface

```

+--rw interface
| | +--rw port-channel [name] /*alt-name:Port-channel*/
| | | +--rw name
| | | +--rw cee?
| | | +--rw vlag
| | | | +--rw ignore-split?  empty
| | | +--rw po-speed?
| | | | enumeration /*alt-
name:speed*/
| | | +--rw vrf
| | | | +--rw forwarding?  common-def:vrf-name
| | | +--ro ifindex?
| | | +--rw description?
| | | +--rw shutdown?
| | | +--rw minimum-links?
| | | +--rw snmp
| | | | +--rw trap
| | | | | +--rw link-snmp-trap-status?  empty
| | | +--rw mtu?
| | | | mtu-type
| | | +--rw switchport-basic /*drop-node-name*/
| | | | +--rw basic?  empty /*alt-name:switchport*/
| | | +--rw switchport
| | | | +--rw mode
| | | | | +--rw vlan-mode?      l2-mode-type /*drop-node-name*/
| | | | | +--rw private-vlan
| | | | | | +--rw private-vlan-trunk /*alt-name:"trunk"*/
| | | | | | | +--rw trunk-basic?  empty /*drop-node-name*/
| | | | | | | +--rw trunk-promiscuous?  empty /*alt-name:"promiscuous"*/
| | | | | | | +--rw trunk-host?  empty /*alt-name:"host"*/
| | | | | | +--rw promiscuous?  empty
| | | | | | +--rw host?  empty
| | | | +--rw port-security?
| | | | | +--rw port-sec-max?      uint32 /*alt-name:max*/
| | | | | +--rw port-sec-violation?  port-sec-violation /*alt-
name:violation*/
| | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | | +--rw mac-address      mac-address-type
| | | | | +--rw port-sec-vlan    vlan-type /*alt-name:vlan*/
| | | | | +--rw sticky
| | | | | | +--rw sticky-flag?  empty /*drop-node-name*/
| | | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | | | +--rw mac-address      mac-address-type
| | | | | | +--rw port-sec-vlan    vlan-type /*alt-name:vlan*/
| | | | | +--rw allowed-ouis [oui] /*drop-node-name*/
| | | | | | +--rw oui      oui-type
| | | | | +--rw shutdown-time?  uint32
| | | | +--rw access
| | | | | +--rw accessvlan?  vlan-type /*alt-name:vlan*/
| | | | +--rw access-mac-group-vlan-classification /*drop-node-name*/
| | | | | +--rw access
| | | | | | +--rw vlan [access-vlan-id access-mac-group]
| | | | | | | +--rw access-vlan-id    vlan-type
| | | | | | | +--rw access-mac-group  mac-group-id-type /*alt-name:mac-
group*/
| | | | | +--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 /*alt-name:mac*/
| | | | +--rw trunk-private-vlan-classification /*drop-node-name*/

```

```

| | | | | +---rw private-vlan
| | | | | +---rw trunk
| | | | | +---rw allowed
| | | | | +---rw vlan
| | | | | | +---rw add [trunk-vlan-id trunk-ctag-id]
| | | | | | | +---rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | +---rw trunk-ctag-id dot1q-vlan-type /*alt-
name:ctag*/
| | | | | +---rw remove [trunk-vlan-id trunk-ctag-id]
| | | | | | +---rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | +---rw trunk-ctag-id dot1q-vlan-type /*alt-
name:ctag*/
| | | | | +---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
| | | | | +---rw trunk-vlan-classification /*drop-node-name*/
| | | | | +---rw allowed
| | | | | | +---rw vlan
| | | | | | | +---rw add [trunk-vlan-id]
| | | | | | | | +---rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | | +---rw trunk-ctag-range? ui32-ctag-range /*alt-
name:ctag*/
| | | | | | +---rw remove [trunk-vlan-id]
| | | | | | | +---rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | +---rw trunk-ctag-range? ui32-ctag-range /*alt-
name:ctag*/
| | | | | +---rw default-vlan-config /*drop-node-name*/
| | | | | | +---rw default-transparent-vlan? non-dot1q-vlan-type /*alt-
name:default-vlan*/
| | | | | +---rw tag?
| | | | | | +---rw native-vlan? empty
| | | | | +---rw native-vlan-classification /*drop-node-name*/
| | | | | | +---rw native-vlan-id? native-vlan-type /*alt-name:native-
vlan*/
| | | | | | +---rw native-vlan-ctag-id? dot1q-vlan-type /*alt-name:ctag*/
| | | | | +---rw native-vlan-xtagged-config /*drop-node-name*/
| | | | | | +---rw native-vlan-id-xtagged? vlan-type /*alt-
name:native-vlan-xtagged*/
| | | | | | +---rw native-vlan-ctag-id-xtagged? dot1q-vlan-type /*alt-
name:ctag*/
| | | | | | +---rw native-vlan-egress-type-xtagged? enumeration /*alt-
name:egress*/
| | | | | +---rw native-vlan-untagged-config /*drop-node-name*/
| | | | | | +---rw native-vlan-id-untagged? vlan-type /*alt-name:native-vlan-
untagged*/
| | | | | +---rw private-vlan
| | | | | +---rw trunk
| | | | | | +---rw pvlan-tag /*alt-name:tag*/
| | | | | | | +---rw pvlan-tag-native-vlan? empty /*alt-name:native-vlan*/
| | | | | | +---rw native
| | | | | | | +---rw pvlanNativevlan? vlan-type
| | | | | | | +---rw pvlan-native-vlan-ctag-id? dot1q-vlan-type
| | | | | | +---rw allowed
| | | | | | | +---rw vlan
| | | | | | | | +---rw pvlan_all? empty /*alt-name:all*/
| | | | | | | | +---rw pvlan_none? empty /*alt-name:none*/
| | | | | | | | +---rw pvlan_add? ui32-1k-vlan-range /*alt-name:add*/
| | | | | | | | +---rw pvlan_except? ui32-1k-vlan-range /*alt-name:except*/
| | | | | | | | +---rw pvlan_remove? ui32-1k-vlan-range /*alt-name:remove*/
| | | | | +---rw host-association
| | | | | | +---rw host-pri-pvlan? vlan-type /*drop-node-name*/
| | | | | | +---rw host-sec-pvlan? vlan-type /*drop-node-name*/
| | | | | +---rw association
| | | | | | +---rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| | | | | | | +---rw trunk-pri-pvlan vlan-type
| | | | | | | +---rw trunk-sec-pvlan vlan-type
| | | | | +---rw mapping [promis-pri-pvlan]
| | | | | | +---rw promis-pri-pvlan vlan-type
| | | | | | +---rw oper? secVlan-opp-type /*drop-node-name*/
| | | | | | +---rw promis-sec-pvlan-range? ui32-range-8091 /*drop-node-name*/
| | | | | +---rw mac-learning
| | | | | | +---rw mac-learn-disable /*alt-name:disable*/
| | | | | +---rw vlan

```

```

| | | +--rw mac-learning-vlan-add?      ui32-range-8091 /*alt-name:"add"*/
| | | +--rw mac-learning-vlan-remove?   ui32-range-8091 /*alt-
name:"remove"*/
| | | +--rw ip
| | | +--rw ipv6
| | | | +--rw raguard?                  empty
| | | +--rw track
| | | | +--rw track_enable?            empty /*alt-name:enable*/
| | | | +--rw min-link?                uint32
| | | | +--rw interface [track-interface-type track-interface-name]
| | | | | +--rw track-interface-type    enumeration /*drop-node-name*/
| | | | | +--rw track-interface-name    string /*drop-node-name*/
| | | | +--rw remove
| | | | | +--rw remove-all-track-interfaces? empty /*alt-name:all*/
| | | +--rw edge-loop-detection
| | | | +--rw eldprio?                 uint32 /*alt-name:port-priority*/
| | | | +--rw eldvlan?                 ui32-eldvlan-range /*alt-name:vlan*/
| | | +--rw load-balance?

```

interface/tengigabitethernet:

```

module: brocade-interface
+--rw interface
| +--rw tengigabitethernet [name] /*alt-name:TenGigabitEthernet*/
| | +--rw name                      interface-type
| | +--rw long-distance-isl?        enumeration
| | +--rw cee?                      cee:cee-map-name-type
| | +--rw speed?
| | +--ro ifindex?                  uint64
| | +--rw description?              string
| | +--rw shutdown?                empty
| | +--rw channel-group
| | | +--rw port-int?               portchannel-type /*drop-node-name*/
| | | +--rw mode?                  po-mode
| | | +--rw type?                  po-type
| | +--rw mtu?                      mtu-type
| | +--rw switchport-basic /*drop-node-name*/
| | | +--rw basic?                 empty /*alt-name:switchport*/
| | +--rw switchport
| | | +--rw mode
| | | | +--rw vlan-mode?            12-mode-type /*drop-node-name*/
| | | | +--rw private-vlan
| | | | | +--rw private-vlan-trunk alt-name:"trunk"
| | | | | | +--rw trunk-basic?      empty /*drop-node-name*/
| | | | | | +--rw trunk-promiscuous? empty /*alt-name:"promiscuous"*/
| | | | | | +--rw trunk-host?      empty /*alt-name:"host"*/
| | | | | +--rw promiscuous?      empty
| | | | | +--rw host?             empty
| | | | +--rw port-security?
| | | | | +--rw port-sec-max?       uint32 /*alt-name:max*/
| | | | | +--rw port-sec-violation? port-sec-violation /*alt-
name:violation*/
| | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | | +--rw mac-address          mac-address-type
| | | | | +--rw port-sec-vlan        vlan-type /*alt-name:vlan*/
| | | | | +--rw sticky
| | | | | | +--rw sticky-flag?      empty /*drop-node-name*/
| | | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | | +--rw mac-address          mac-address-type
| | | | | +--rw port-sec-vlan        vlan-type /*alt-name:vlan*/
| | | | +--rw allowed-ouis [oui] /*drop-node-name*/
| | | | | +--rw oui                  oui-type
| | | | +--rw shutdown-time?        uint32
| | | +--rw access
| | | | +--rw accessvlan?            vlan-type /*alt-name:vlan*/
| | | | +--rw rspan-access /*drop-node-name*/
| | | | | +--rw rspan-access-vlan?   vlan-type /*alt-name:rspan-vlan*/
| | | +--rw access-mac-group-vlan-classification /*drop-node-name*/
| | | | +--rw access
| | | | | +--rw vlan [access-vlan-id access-mac-group]
| | | | | | +--rw access-vlan-id     vlan-type
| | | | | | +--rw access-mac-group   mac-group-id-type /*alt-name:mac-
group*/
| | | | +--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 /*alt-name:mac*/
| | | | | +---rw trunk-private-vlan-classification /*drop-node-name*/
| | | | | +---rw private-vlan
| | | | | +---rw trunk
| | | | | +---rw allowed
| | | | | +---rw vlan
| | | | | | +---rw add [trunk-vlan-id trunk-ctag-id]
| | | | | | | +---rw trunk-vlan-id      non-dot1q-vlan-type
| | | | | | | +---rw trunk-ctag-id      dot1q-vlan-type /*alt-
name:ctag*/
| | | | | +---rw remove [trunk-vlan-id trunk-ctag-id]
| | | | | +---rw trunk-vlan-id          non-dot1q-vlan-type
| | | | | +---rw trunk-ctag-id          dot1q-vlan-type /*alt-
name:ctag*/
| | | | | +---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
| | | | | | +---rw rspan-vlan
| | | | | | | +---rw add-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-
name:add*/
| | | | | | | +---rw remove-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-
name:remove*/
| | | | | +---rw trunk-rspan-vlan-classification /*drop-node-name*/
| | | | | +---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 /*alt-name:ctag*/
| | | | | | +---rw remove [trunk-vlan-id trunk-ctag-id]
| | | | | | | +---rw trunk-vlan-id      non-dot1q-vlan-type
| | | | | | | +---rw trunk-ctag-id      dot1q-vlan-type /*alt-name:ctag*/
| | | | | +---rw trunk-vlan-classification /*drop-node-name*/
| | | | | +---rw allowed
| | | | | | +---rw vlan
| | | | | | | +---rw add [trunk-vlan-id]
| | | | | | | | +---rw trunk-vlan-id      non-dot1q-vlan-type
| | | | | | | | +---rw trunk-ctag-range? ui32-ctag-range /*alt-
name:ctag*/
| | | | | | +---rw remove [trunk-vlan-id]
| | | | | | | +---rw trunk-vlan-id      non-dot1q-vlan-type
| | | | | | | +---rw trunk-ctag-range? ui32-ctag-range /*alt-
name:ctag*/
| | | | | +---rw default-vlan-config /*drop-node-name*/
| | | | | +---rw default-transparent-vlan? non-dot1q-vlan-type /*alt-
name:default-vlan*/
| | | | | +---rw tag?
| | | | | | +---rw native-vlan?         empty
| | | | | +---rw native-vlan-classification /*drop-node-name*/
| | | | | | +---rw native-vlan-id?      native-vlan-type /*alt-name:native-
vlan*/
| | | | | | +---rw native-vlan-ctag-id? dot1q-vlan-type /*alt-name:ctag*/
| | | | | +---rw native-vlan-xtagged-config /*drop-node-name*/
| | | | | | +---rw native-vlan-id-xtagged? vlan-type /*alt-
name:native-vlan-xtagged*/
| | | | | | +---rw native-vlan-ctag-id-xtagged? dot1q-vlan-type /*alt-
name:ctag*/
| | | | | | +---rw native-vlan-egress-type-xtagged? enumeration /*alt-
name:egress*/
| | | | | +---rw native-vlan-untagged-config /*drop-node-name*/
| | | | | +---rw native-vlan-id-untagged? vlan-type /*alt-name:native-vlan-
untagged*/
| | | | | +---rw private-vlan
| | | | | +---rw trunk
| | | | | | +---rw pvlan-tag /*alt-name:tag*/
| | | | | | | +---rw pvlan-tag-native-vlan? empty /*alt-name:native-vlan*/
| | | | | | +---rw native
| | | | | | | +---rw pvlanNativevlan?    vlan-type
| | | | | | | +---rw pvlan-native-vlan-ctag-id? dot1q-vlan-type
| | | | | +---rw allowed
| | | | | | +---rw vlan
| | | | | | | +---rw pvlan_all?          empty /*alt-name:all*/
| | | | | | | +---rw pvlan_none?        empty /*alt-name:none*/
| | | | | | | +---rw pvlan_add?          ui32-1k-vlan-range /*alt-name:add*/

```

```

| | | | | +---rw pvlan_except? ui32-1k-vlan-range /*alt-name:except*/
| | | | | +---rw pvlan_remove? ui32-1k-vlan-range /*alt-name:remove*/
| | | | | +---rw host-association
| | | | | | +---rw host-pri-pvlan? vlan-type /*drop-node-name*/
| | | | | | +---rw host-sec-pvlan? vlan-type /*drop-node-name*/
| | | | | +---rw association
| | | | | | +---rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| | | | | | | +---rw trunk-pri-pvlan vlan-type
| | | | | | | +---rw trunk-sec-pvlan vlan-type
| | | | | +---rw mapping [promis-pri-pvlan]
| | | | | | +---rw promis-pri-pvlan vlan-type
| | | | | | +---rw oper? secVlan-opp-type /*drop-node-name*/
| | | | | | +---rw promis-sec-pvlan-range? ui32-range-8091 /*drop-node-name*/
| | | | | +---rw access-mac-rspan-vlan-classification /*drop-node-name*/
| | | | | +---rw access
| | | | | | +---rw vlan [access-vlan-id access-mac-address] /*alt-name:rspan-
vlan*/
| | | | | | +---rw access-vlan-id vlan-type
| | | | | | +---rw access-mac-address mac-address-type /*alt-name:mac*/
| | | | | +---rw access-mac-group-rspan-vlan-classification /*drop-node-name*/
| | | | | +---rw access
| | | | | | +---rw vlan [access-vlan-id access-mac-group] /*alt-name:rspan-vlan*/
| | | | | | +---rw access-vlan-id vlan-type
| | | | | | +---rw access-mac-group mac-group-id-type /*alt-name:mac-
group*/
| | | | | +---rw mac-learning
| | | | | | +---rw mac-learn-disable /*alt-name:disable*/
| | | | | | +---rw vlan
| | | | | | | +---rw mac-learning-vlan-add? ui32-range-8091 /*alt-name:"add"*/
| | | | | | | +---rw mac-learning-vlan-remove? ui32-range-8091 /*alt-
name:"remove"*/
| | | | | +---rw ip
| | | | | +---rw vrf
| | | | | | +---rw forwarding? common-def:vrf-name
| | | | | +---rw ipv6
| | | | | | +---rw raguard? empty
| | | | | +---rw snmp
| | | | | | +---rw trap
| | | | | | | +---rw link-snmp-trap-status? empty /*alt-name:"link-status"*/
| | | | | +---rw track
| | | | | | +---rw track_enable? empty /*alt-name:enable*/
| | | | | | +---rw min-link? uint32
| | | | | | +---rw interface [track-interface-type track-interface-name]
| | | | | | | +---rw track-interface-type enumeration /*drop-node-name*/
| | | | | | | +---rw track-interface-name string /*drop-node-name*/
| | | | | | +---rw remove
| | | | | | | +---rw remove-all-track-interfaces? empty /*alt-name:all*/
| | | | | +---rw tunable-optics
| | | | | | +---rw sfpp
| | | | | | +---rw channel? tunable-optics-sfpp-channel-type

```

interface/fortygigabitethernet:

```

module: brocade-interface
+---rw interface
| +---rw fortygigabitethernet [name] /*alt-name:FortyGigabitEthernet*/
| | +---rw name interface-type
| | +---rw cee? cee:cee-map-name-type
| | +---ro ifindex? uint64
| | +---rw description? string
| | +---rw shutdown? empty
| | +---rw channel-group
| | | +---rw port-int? portchannel-type /*drop-node-name*/
| | | +---rw mode? po-mode
| | | +---rw type? po-type
| | +---rw mtu? mtu-type
| | +---rw switchport-basic /*drop-node-name*/
| | | +---rw basic? empty /*alt-name:switchport*/
| | +---rw switchport
| | | +---rw mode
| | | | +---rw vlan-mode? 12-mode-type /*drop-node-name*/
| | | | +---rw private-vlan
| | | | | +---rw private-vlan-trunk /*alt-name:"trunk"*/
| | | | | | +---rw trunk-basic? empty /*drop-node-name*/
| | | | | | +---rw trunk-promiscuous? empty /*alt-name:"promiscuous"*/
| | | | | | +---rw trunk-host? empty /*alt-name:"host"*/
| | | | | +---rw promiscuous? empty
| | | | | +---rw host? empty

```

```

| | | +--rw port-security?
| | | +--rw port-sec-max?                uint32 /*alt-name:max*/
| | | +--rw port-sec-violation?          port-sec-violation /*alt-
name:violation*/
| | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | +--rw mac-address                mac-address-type
| | | | +--rw port-sec-vlan              vlan-type /*alt-name:vlan*/
| | | | +--rw sticky
| | | | +--rw sticky-flag?                empty /*drop-node-name*/
| | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | +--rw mac-address                mac-address-type
| | | | +--rw port-sec-vlan              vlan-type /*alt-name:vlan*/
| | | | +--rw allowed-ouis [oui] /*drop-node-name*/
| | | | | +--rw oui                    oui-type
| | | | +--rw shutdown-time?              uint32
| | | +--rw access
| | | | +--rw accessvlan?                vlan-type /*alt-name:vlan*/
| | | | +--rw rspan-access /*drop-node-name*/
| | | | | +--rw rspan-access-vlan?      vlan-type /*alt-name:rspan-vlan*/
| | | | +--rw access-mac-group-vlan-classification /*drop-node-name*/
| | | | +--rw access
| | | | | +--rw vlan [access-vlan-id access-mac-group]
| | | | | | +--rw access-vlan-id        vlan-type
| | | | | | +--rw access-mac-group      mac-group-id-type /*alt-name:mac-
group*/
| | | | +--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 /*alt-name:mac*/
| | | | +--rw trunk-private-vlan-classification /*drop-node-name*/
| | | | +--rw private-vlan
| | | | | +--rw trunk
| | | | | | +--rw allowed
| | | | | | | +--rw vlan
| | | | | | | | +--rw add [trunk-vlan-id trunk-ctag-id]
| | | | | | | | | +--rw trunk-vlan-id  non-dot1q-vlan-type
| | | | | | | | | +--rw trunk-ctag-id  dot1q-vlan-type /*alt-
name:ctag*/
| | | | | | | +--rw remove [trunk-vlan-id trunk-ctag-id]
| | | | | | | | +--rw trunk-vlan-id  non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-id  dot1q-vlan-type /*alt-
name:ctag*/
| | | +--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
| | | | | +--rw rspan-vlan
| | | | | | +--rw add-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-
name:add*/
| | | | | | +--rw remove-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-
name:remove*/
| | | | +--rw trunk-rspan-vlan-classification /*drop-node-name*/
| | | | | +--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 /*alt-name:ctag*/
| | | | | | +--rw remove [trunk-vlan-id trunk-ctag-id]
| | | | | | | +--rw trunk-vlan-id      non-dot1q-vlan-type
| | | | | | | +--rw trunk-ctag-id      dot1q-vlan-type /*alt-name:ctag*/
| | | | +--rw trunk-vlan-classification /*drop-node-name*/
| | | | | +--rw allowed
| | | | | | +--rw vlan
| | | | | | | +--rw add [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range? ui32-ctag-range /*alt-
name:ctag*/
| | | | | | | +--rw remove [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range? ui32-ctag-range /*alt-
name:ctag*/
| | | +--rw default-vlan-config /*drop-node-name*/

```

```

| | | | | +---rw default-transparent-vlan? non-dot1q-vlan-type /*alt-
name:default-vlan*/
| | | | | +---rw tag?
| | | | | +---rw native-vlan? empty
| | | | | +---rw native-vlan-classification /*drop-node-name*/
| | | | | +---rw native-vlan-id? native-vlan-type /*alt-name:native-
vlan*/
| | | | | +---rw native-vlan-ctag-id? dot1q-vlan-type /*alt-name:ctag*/
| | | | | +---rw native-vlan-xtagged-config /*drop-node-name*/
| | | | | +---rw native-vlan-id-xtagged? vlan-type /*alt-
name:native-vlan-xtagged*/
| | | | | +---rw native-vlan-ctag-id-xtagged? dot1q-vlan-type /*alt-
name:ctag*/
| | | | | +---rw native-vlan-egress-type-xtagged? enumeration /*alt-
name:egress*/
| | | | | +---rw native-vlan-untagged-config /*drop-node-name*/
| | | | | +---rw native-vlan-id-untagged? vlan-type /*alt-name:native-vlan-
untagged*/
| | | | | +---rw private-vlan
| | | | | +---rw trunk
| | | | | | +---rw pvlan-tag /*alt-name:tag*/
| | | | | | | +---rw pvlan-tag-native-vlan? empty /*alt-name:native-vlan*/
| | | | | | +---rw native
| | | | | | | +---rw pvlanNativevlan? vlan-type
| | | | | | | +---rw pvlan-native-vlan-ctag-id? dot1q-vlan-type
| | | | | | +---rw allowed
| | | | | | | +---rw vlan
| | | | | | | | +---rw pvlan_all? empty /*alt-name:all*/
| | | | | | | | +---rw pvlan_none? empty /*alt-name:none*/
| | | | | | | | +---rw pvlan_add? ui32-1k-vlan-range /*alt-name:add*/
| | | | | | | | +---rw pvlan_except? ui32-1k-vlan-range /*alt-name:except*/
| | | | | | | | +---rw pvlan_remove? ui32-1k-vlan-range /*alt-name:remove*/
| | | | | | +---rw host-association
| | | | | | | +---rw host-pri-pvlan? vlan-type /*drop-node-name*/
| | | | | | | +---rw host-sec-pvlan? vlan-type /*drop-node-name*/
| | | | | | +---rw association
| | | | | | | +---rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| | | | | | | | +---rw trunk-pri-pvlan vlan-type
| | | | | | | | +---rw trunk-sec-pvlan vlan-type
| | | | | | +---rw mapping [promis-pri-pvlan]
| | | | | | | +---rw promis-pri-pvlan vlan-type
| | | | | | | +---rw oper? secVlan-opp-type /*drop-node-name*/
| | | | | | | +---rw promis-sec-pvlan-range? ui32-range-8091 /*drop-node-name*/
| | | | | | +---rw access-mac-rspan-vlan-classification /*drop-node-name*/
| | | | | | +---rw access
| | | | | | | +---rw vlan [access-vlan-id access-mac-address] /*alt-name:rspan-
vlan*/
| | | | | | | | +---rw access-vlan-id vlan-type
| | | | | | | | +---rw access-mac-address mac-address-type /*alt-name:mac*/
| | | | | | +---rw access-mac-group-rspan-vlan-classification /*drop-node-name*/
| | | | | | +---rw access
| | | | | | | +---rw vlan [access-vlan-id access-mac-group] /*alt-name:rspan-vlan*/
| | | | | | | | +---rw access-vlan-id vlan-type
| | | | | | | | +---rw access-mac-group mac-group-id-type /*alt-name:mac-
group*/
| | | | | | +---rw mac-learning
| | | | | | | +---rw mac-learn-disable /*alt-name:disable*/
| | | | | | | +---rw vlan
| | | | | | | | +---rw mac-learning-vlan-add? ui32-range-8091 /*alt-name:"add"*/
| | | | | | | | +---rw mac-learning-vlan-remove? ui32-range-8091 /*alt-
name:"remove"*/
| | | | | | +---rw ip
| | | | | | +---rw vrf
| | | | | | | +---rw forwarding? common-def:vrf-name
| | | | | | +---rw ipv6
| | | | | | | +---rw raguard? empty
| | | | | | +---rw snmp
| | | | | | | +---rw trap
| | | | | | | | +---rw link-snmp-trap-status? empty /*alt-name:"link-status"*/
| | | | | | +---rw track
| | | | | | | +---rw track_enable? empty /*alt-name:enable*/
| | | | | | | +---rw min-link? uint32
| | | | | | | +---rw interface [track-interface-type track-interface-name]
| | | | | | | | +---rw track-interface-type enumeration /*drop-node-name*/
| | | | | | | | +---rw track-interface-name string /*drop-node-name*/
| | | | | | | +---rw remove
| | | | | | | | +---rw remove-all-track-interfaces? empty /*alt-name:all*/
| | | | | | +---rw tunable-optics

```

```

| | | +--rw sfpp
| | | +--rw channel? tunable-optics-sfpp-channel-type

interface/hundredgigabitethernet:
module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name] /*alt-name:HundredGigabitEthernet*/
| | +--rw name interface-type
| | +--rw cee? cee:cee-map-name-type
| | +--rw fec
| | | +--rw fec-enable? empty /*alt-name "enable"*/
| | +--ro ifindex? uint64
| | +--rw description? string
| | +--rw shutdown? empty
| | +--rw channel-group
| | | +--rw port-int? portchannel-type /*drop-node-name*/
| | | +--rw mode? po-mode
| | | +--rw type? po-type
| | +--rw mtu? mtu-type
| | +--rw switchport-basic /*drop-node-name*/
| | | +--rw basic? empty /*alt-name:switchport*/
| | +--rw switchport
| | | +--rw mode
| | | | +--rw vlan-mode? l2-mode-type /*drop-node-name*/
| | | | +--rw private-vlan
| | | | | +--rw private-vlan-trunk /*alt-name:"trunk"*/
| | | | | | +--rw trunk-basic? empty /*drop-node-name*/
| | | | | | +--rw trunk-promiscuous? empty /*alt-name:"promiscuous"*/
| | | | | | +--rw trunk-host? empty /*alt-name:"host"*/
| | | | | +--rw promiscuous? empty
| | | | | +--rw host? empty
| | | +--rw port-security?
| | | | +--rw port-sec-max? uint32 /*alt-name:max*/
| | | | +--rw port-sec-violation? port-sec-violation /*alt-
name:violation*/
| | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | +--rw mac-address mac-address-type
| | | | +--rw port-sec-vlan vlan-type /*alt-name:vlan*/
| | | | +--rw sticky
| | | | | +--rw sticky-flag? empty /*drop-node-name*/
| | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-
node-name*/
| | | | | +--rw mac-address mac-address-type
| | | | | +--rw port-sec-vlan vlan-type /*alt-name:vlan*/
| | | | +--rw allowed-ouis [oui] /*drop-node-name*/
| | | | | +--rw oui oui-type
| | | | +--rw shutdown-time? uint32
| | | +--rw access
| | | | +--rw accessvlan? vlan-type /*alt-name:vlan*/
| | | | +--rw rspan-access /*drop-node-name*/
| | | | | +--rw rspan-access-vlan? vlan-type /*alt-name:rspan-vlan*/
| | | | +--rw access-mac-group-vlan-classification /*drop-node-name*/
| | | | +--rw access
| | | | | +--rw vlan [access-vlan-id access-mac-group]
| | | | | | +--rw access-vlan-id vlan-type
| | | | | | +--rw access-mac-group mac-group-id-type /*alt-name:mac-
group*/
| | | | | +--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 /*alt-name:mac*/
| | | | +--rw trunk-private-vlan-classification /*drop-node-name*/
| | | | | +--rw private-vlan
| | | | | | +--rw trunk
| | | | | | | +--rw allowed
| | | | | | | | +--rw vlan
| | | | | | | | | +--rw add [trunk-vlan-id trunk-ctag-id]
| | | | | | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | | | | +--rw trunk-ctag-id dot1q-vlan-type /*alt-
name:ctag*/
| | | | | | | | +--rw remove [trunk-vlan-id trunk-ctag-id]
| | | | | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | | | +--rw trunk-ctag-id dot1q-vlan-type /*alt-
name:ctag*/
| | | | +--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
| | | | +--rw rspan-vlan
| | | | | +--rw add-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-
name:add*/
| | | | | +--rw remove-rspan-trunk-vlan? ui32-1k-vlan-range /*alt-
name:remove*/
| | | | +--rw trunk-rspan-vlan-classification /*drop-node-name*/
| | | | | +--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 /*alt-name:ctag*/
| | | | | | +--rw remove [trunk-vlan-id trunk-ctag-id]
| | | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | +--rw trunk-ctag-id dot1q-vlan-type /*alt-name:ctag*/
| | | | +--rw trunk-vlan-classification /*drop-node-name*/
| | | | | +--rw allowed
| | | | | | +--rw vlan
| | | | | | | +--rw add [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range? ui32-ctag-range /*alt-name:ctag*/
| | | | | | | +--rw remove [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range? ui32-ctag-range /*alt-name:ctag*/
| | | | +--rw default-vlan-config /*drop-node-name*/
| | | | | +--rw default-transparent-vlan? non-dot1q-vlan-type /*alt-
name:default-vlan*/
| | | | | +--rw tag?
| | | | | | +--rw native-vlan? empty
| | | | | +--rw native-vlan-classification /*drop-node-name*/
| | | | | | +--rw native-vlan-id? native-vlan-type /*alt-name:native-
vlan*/
| | | | | | | +--rw native-vlan-ctag-id? dot1q-vlan-type /*alt-name:ctag*/
| | | | | | | +--rw native-vlan-xtagged-config /*drop-node-name*/
| | | | | | | | +--rw native-vlan-id-xtagged? vlan-type /*alt-
name:native-vlan-xtagged*/
| | | | | | | +--rw native-vlan-ctag-id-xtagged? dot1q-vlan-type /*alt-
name:ctag*/
| | | | | | | +--rw native-vlan-egress-type-xtagged? enumeration /*alt-
name:egress*/
| | | | | +--rw native-vlan-untagged-config /*drop-node-name*/
| | | | | | +--rw native-vlan-id-untagged? vlan-type /*alt-name:native-vlan-
untagged*/
| | | | | +--rw private-vlan
| | | | | | +--rw trunk
| | | | | | | +--rw pvlan-tag /*alt-name:tag*/
| | | | | | | | +--rw pvlan-tag-native-vlan? empty /*alt-name:native-vlan*/
| | | | | | | +--rw native
| | | | | | | | +--rw pvlanNativevlan? vlan-type
| | | | | | | | +--rw pvlan-native-vlan-ctag-id? dot1q-vlan-type
| | | | | | +--rw allowed
| | | | | | | +--rw vlan
| | | | | | | | +--rw pvlan_all? empty /*alt-name:all*/
| | | | | | | | +--rw pvlan_none? empty /*alt-name:none*/
| | | | | | | | +--rw pvlan_add? ui32-1k-vlan-range /*alt-name:add*/
| | | | | | | | +--rw pvlan_except? ui32-1k-vlan-range /*alt-name:except*/
| | | | | | | | +--rw pvlan_remove? ui32-1k-vlan-range /*alt-name:remove*/
| | | | | +--rw host-association
| | | | | | +--rw host-pri-pvlan? vlan-type /*drop-node-name*/
| | | | | | +--rw host-sec-pvlan? vlan-type /*drop-node-name*/
| | | | | +--rw association
| | | | | | +--rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| | | | | | | +--rw trunk-pri-pvlan vlan-type
| | | | | | | +--rw trunk-sec-pvlan vlan-type
| | | | | +--rw mapping [promis-pri-pvlan]
| | | | | | +--rw promis-pri-pvlan vlan-type
| | | | | | | +--rw oper? secVlan-opp-type /*drop-node-name*/
| | | | | | | +--rw promis-sec-pvlan-range? ui32-range-8091 /*drop-node-name*/
| | | | +--rw access-mac-rspan-vlan-classification /*drop-node-name*/
| | | | | +--rw access
| | | | | | +--rw vlan [access-vlan-id access-mac-address] /*alt-name:rspan-
vlan*/
| | | | | | | +--rw access-vlan-id vlan-type

```

```

| | | | | +---rw access-mac-address      mac-address-type /*alt-name:mac*/
| | | | | +---rw access-mac-group-rspan-vlan-classification /*drop-node-name*/
| | | | | +---rw access
| | | | | +---rw vlan [access-vlan-id access-mac-group] /*alt-name:rspan-
vlan*/
| | | | | +---rw access-vlan-id          vlan-type
| | | | | +---rw access-mac-group      mac-group-id-type /*alt-name:mac-
group*/
| | | | | +---rw mac-learning
| | | | | +---rw mac-learn-disable /*alt-name:disable*/
| | | | | +---rw vlan
| | | | | +---rw mac-learning-vlan-add?      ui32-range-8091 /*alt-
name:"add"*/
| | | | | +---rw mac-learning-vlan-remove?    ui32-range-8091 /*alt-
name:"remove"*/
| | | | | +---rw ip
| | | | | +---rw vrf
| | | | | | +---rw forwarding?      common-def:vrf-name
| | | | | +---rw ipv6
| | | | | | +---rw rguard?          empty
| | | | | +---rw snmp
| | | | | | +---rw trap
| | | | | | +---rw link-snmp-trap-status?    empty /*alt-name:"link-status"*/
| | | | | +---rw track
| | | | | | +---rw track enable?    empty /*alt-name:enable*/
| | | | | | +---rw min-link?        uint32
| | | | | | +---rw interface [track-interface-type track-interface-name]
| | | | | | | +---rw track-interface-type    enumeration /*drop-node-name*/
| | | | | | | +---rw track-interface-name    string /*drop-node-name*/
| | | | | | +---rw remove
| | | | | | +---rw remove-all-track-interfaces?    empty /*alt-name:all*/
| | | | | +---rw tunable-optics
| | | | | | +---rw sfpp
| | | | | | +---rw channel?      tunable-optics-sfpp-channel-type

```

interface-vlan:

```

module: brocade-interface
+---rw interface-vlan /*drop-node-name*/
| +---rw interface
| | +---rw vlan [name] /*alt-name:Vlan*/
| | | +---rw name          vlan-type
| | | +---rw transport-service?    uint16
| | | +---ro ifindex?          uint64
| | | +---rw description?        string
| | | +---rw vlan-name?          string /*alt-name:name*/
| | | +---rw private-vlan
| | | | +---rw pvlan-type-leaf?    pvlan-type /*drop-node-name*/
| | | | +---rw association
| | | | | +---rw sec-assoc-add?      ui32-range-8091 /*alt-name:add*/
| | | | | +---rw sec-assoc-remove?    ui32-range-8091 /*alt-name:remove*/
| | | +---rw ip
| | | +---rw ipv6
| | +---rw ve [gve-name] /*alt-name:Ve*/
| | | +---rw gve-name          ve-type
| | | +---rw global-ve-shutdown?    empty /*alt-name:shutdown*/
| | | +---rw ip
| | | +---rw ipv6

```

protocol:

```

module: brocade-interface
+---rw protocol

```

reserved-vlan:

```

module: brocade-interface
+---rw reserved-vlan
| +---rw reserved-vlan-start?    uint32 /*drop-node-name*/
| +---rw reserved-vlan-end?      uint32 /*drop-node-name*/

```

External augmentations

```

module: brocade-rbridge
+---rw rbridge-id [rbridge-id]
| +---rw rbridge-id
| +---ro brocade-interface:interface

```

```

|   +---ro brocade-interface:ve [name]
|   |   +---ro brocade-interface:name                ve-type
|   |   +---ro brocade-interface:bfd
|   |   |   +---ro brocade-interface:interval
|   |   |   |   +---ro brocade-interface:min-tx?      bfd-tx-interval-type /*drop-
node-name*/
|   |   |   |   +---ro brocade-interface:min-rx?      bfd-rx-interval-type
|   |   |   |   +---ro brocade-interface:multiplier?  bfd-multiplier-type
|   |   |   |   +---ro brocade-interface:bfd-shutdown? empty /*alt-name:"shutdown"*/
|   |   |   +---rw brocade-interface:snmp
|   |   |   +---rw brocade-interface:trap
|   |   |   +---rw brocade-interface:link-snmp-trap-status? empty /*alt-
name:"link-status"*/

```

Notifications

```

+---n interfaceLinkState
+---ro originator-switch-info
|   +---ro switchIdentifier?    uint32
|   +---ro switchVcsId?        uint32
|   +---ro switchIPv4Address?   string
|   +---ro switchIPv6Address?   string
+---ro ifIndex                  uint32
+---ro ifName?                  string
+---ro ifState?                 enumeration

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Leaf <i>description</i> was added under grouping <i>interface-fc-port</i> in augment to <i>/interface/fc-port</i>. - Leaf <i>pvlan-tag-native-vlan</i> was added within <i>private-vlan</i> (container) -> <i>trunk</i> (container) -> <i>pvlan-tag</i> (container) under grouping <i>interface-eth-po-group</i> in augment to <i>/interface/gigabitethernet</i>. - Leaf <i>pvlan-tag-native-vlan</i> was added within <i>private-vlan</i> (container) -> <i>trunk</i> (container) -> <i>pvlan-tag</i> (container) under grouping <i>interface-eth-po-group</i> in augment to <i>/interface/port-channel</i>. - Leaf <i>pvlan-tag-native-vlan</i> was added within <i>private-vlan</i> (container) -> <i>trunk</i> (container) -> <i>pvlan-tag</i> (container) under grouping <i>interface-eth-po-group</i> in augment to <i>/interface/tengigabitethernet</i>. - Leaf <i>pvlan-tag-native-vlan</i> was added within <i>private-vlan</i> (container) -> <i>trunk</i> (container) -> <i>pvlan-tag</i> (container) under grouping <i>interface-eth-po-group</i> in augment to <i>/interface/fortygigabitethernet</i>. - Leaf <i>pvlan-tag-native-vlan</i> was added within <i>private-vlan</i> (container) -> <i>trunk</i> (container) -> <i>pvlan-tag</i> (container) under grouping <i>interface-eth-po-group</i> in augment to <i>/interface/hundredgigabitethernet</i>. - Type of leaf <i>cee</i> under the list <i>port-channel</i> was changed from <i>common-def:name-string32</i> to <i>cee:cee-map-name-type</i>. - Type of leaf <i>cee</i> under grouping <i>phy-interface-parameters</i> within the list <i>tengigabitethernet</i> was changed from <i>common-def:name-string32</i> to <i>cee:cee-map-name-type</i>. - Type of leaf <i>cee</i> under grouping <i>fortygig-interface-parameters</i> within the list <i>fortygigabitethernet</i> was changed from <i>common-def:name-string32</i> to <i>cee:cee-map-name-type</i>. - Type of leaf <i>cee</i> under grouping <i>hundred-interface-parameters</i> within the list <i>hundredgigabitethernet</i> was changed from <i>common-def:name-string32</i> to <i>cee:cee-map-name-type</i>.

Release version	History
6.0.1a	This YANG module was modified to include the following: • Leaf <i>link-snmp-trap-status</i> was added under container <i>trap</i> within container <i>snmp</i> in augment to the following: - /interface/gigabitethernet. - /interface/tengigabitethernet. - /interface/fortygigabitethernet. - /interface/hundredgigabitethernet. - /rbridge:rbridge-id/interface/ve.
7.0.0	This YANG module was modified to include the following: • Container <i>tunable-optics</i> containing leaf <i>channel</i> within container <i>sfpp</i> was added in augment to the following: - /interface/gigabitethernet. - /interface/tengigabitethernet. - /interface/fortygigabitethernet. - /interface/hundredgigabitethernet. - /rbridge:rbridge-id/interface/ve. • Container <i>fec</i> containing leaf <i>fec-enable</i> was added in augment to / interface/hundredgigabitethernet. • Container <i>vrf</i> containing leaf <i>forwarding</i> was added within list <i>port-channel</i>. • Leaf <i>link-snmp-trap-status</i> was added within <i>snmp</i> (container) -> <i>trap</i> (container) in augment to /interface/port-channel. • Added section NETCONF notifications.

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

```

+---x get-vlan-brief
| +--ro input
| | +---ro (request-type)?
| | | +---:(get-request)
| | | | +--ro vlan-id?          interface:vlan-type
| | | +---:(get-next-request)
| | | | +--ro 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 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
| +--ro output
| | +--ro switchport [interface-type interface-name]
| | | +--ro interface-type enumeration
| | | +--ro interface-name union
| | | +--ro mode?          interface:switchport-mode-type
| | | +--ro fcoe-port-enabled? boolean
| | | +--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
+---x get-ip-interface
| +--ro input
| | +---ro (request-type)?
| | | +---:(get-request)
| | | | +--ro interface-type? enumeration
| | | | +--ro interface-name? union
| | | | +--ro rbridge-id?      uint32
| +--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?        interface:mtu-type
| | | +--ro if-state?       enumeration
| | | +--ro line-protocol-state? enumeration
| | | +--ro proxy-arp?       string
| | | +--ro vrf?             string
| | +--ro has-more?        boolean
+---x get-interface-detail
| +--ro input
| | +---ro (request-type)?
| | | +---:(get-request)

```

```

| | | +--ro interface-type?      enumeration
| | | +--ro interface-name?     union
| | | +--:(get-next-request)
| | | +--ro last-rcvd-interface
| | | | +--ro interface-type?   enumeration
| | | | +--ro 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?            interface:mtu-type
| | | | +--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 flow-control?       bits
| | | | +--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 ifHCOutOctets?      yang:counter64
| | | | +--ro ifHCOutUcastPkts?   yang:counter64
| | | | +--ro ifHCOutMulticastPkts? yang:counter64
| | | | +--ro ifHCOutBroadcastPkts? yang:counter64
| | | | +--ro ifHCOutErrors?      yang:counter64
| | | | +--ro has-more?          boolean
| | | +--x get-media-detail
| | | +--ro input
| | | | +--ro interface-type?     enumeration
| | | | +--ro interface-name?     union
| | | | +--ro rbridge-id?         common-def:rbridge-id-type
| | | +--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
+---: (xftp)
|   +---ro xftp
|   |   +---ro vendor-name?    string
|   |   +---ro vendor-oui?    string
|   |   +---ro vendor-pn?     string
|   |   +---ro vendor-rev?    string
+---: (xftp)
|   +---ro xftp
|   |   +---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
+---: (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
+---: (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

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: Leaves <i>configured-vlans-count</i>, <i>provisioned-vlans-count</i>, and <i>unprovisioned-vlans-count</i> were added within <i>output</i> under RPC <i>get-vlan-brief</i>.
7.0.0	This YANG module was modified to include the following: Container <i>qsfp28</i> was added.

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
```

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw rbridge-id                               uint32
    +--ro brocade-interface:interface
      | +--ro intf-loopback:loopback [id]
      |   +--ro intf-loopback:id                     intf-loopback-port-type
      |   +--ro intf-loopback:vrf
      |     | +--ro intf-loopback:forwarding?    common-def:vrf-name
      |   +--ro intf-loopback:snmp
      |     | +--ro intf-loopback:trap
      |     |   +--ro intf-loopback:link-snmp-trap-status?    empty
      |   +--ro intf-loopback:intf-loopback
      |     | +--ro intf-loopback:shutdown?    empty
```

History

Release version	History
6.0.1a	This YANG module was modified to include the following: Leaf <i>link-snmp-trap-status</i> was added under container <i>trap</i> within container <i>snmp</i> in augment to <i>/rbridge:rbridge-id/interface:interface</i>.

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 /*drop-node-name*/
          | +--rw seq [seq-id]
          |   +--rw seq-id
          |   | seq-id-std-ext
          |   +--rw action
          |   | enumeration /*drop-node-name*/
          |   +--rw src-host-any-sip
          |   | union /*drop-node-name*/
          |   +--rw src-host-ip
          |   | sip /*drop-node-name*/
          |   +--rw src-mask
          |   | sip-mask /*drop-node-name*/
          |   +--rw count?
          |   | empty
          |   +--rw log?
          |   | empty
          +--rw extended [name]
            +--rw name
            | 13-acl-policy-name
            +--rw hide-ip-acl-ext /*drop-node-name*/
            | +--rw seq [seq-id]
            |   +--rw seq-id
            |   | seq-id-std-ext
            |   +--rw action
            |   | enumeration /*drop-node-
name*/
            |   +--rw protocol-type
            |   | union /*drop-node-name*/
            |   +--rw src-host-any-sip
            |   | union /*drop-node-name*/
            |   +--rw src-host-ip
            |   | sip /*drop-node-name*/
            |   +--rw src-mask
            |   | sip-mask /*drop-node-
name*/
            |   +--rw sport?
            |   | enumeration /*drop-node-
name*/
            |   +--rw sport-number-eq-neq-tcp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-lt-tcp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-gt-tcp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-eq-neq-udp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-lt-udp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-gt-udp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-range-lower-tcp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-range-lower-udp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-range-higher-tcp
            |   | union /*drop-node-name*/
            |   +--rw sport-number-range-higher-udp
            |   | union /*drop-node-name*/
            |   +--rw dst-host-any-dip
            |   | union /*drop-node-name*/
            |   +--rw dst-host-ip
            |   | dip /*drop-node-name*/
            |   +--rw dst-mask
            |   | dip-mask /*drop-node-
name*/
            |   +--rw dport?
            |   | enumeration /*drop-node-
name*/
            |   +--rw dport-number-eq-neq-tcp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-lt-tcp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-gt-tcp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-eq-neq-udp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-lt-udp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-gt-udp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-range-lower-tcp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-range-lower-udp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-range-higher-tcp
            |   | union /*drop-node-name*/
            |   +--rw dport-number-range-higher-udp
            |   | union /*drop-node-name*/
            |   +--rw dscp?
            |   | union
            |   +--rw urg?
            |   | empty
            |   +--rw ack?
            |   | empty
            |   +--rw push?
            |   | empty
            |   +--rw fin?
            |   | empty
            |   +--rw rst?
            |   | empty
            |   +--rw sync?
            |   | empty
            |   +--rw vlan?
            |   | interface:vlan-type /
            +--rw count?
            | empty
            +--rw log?
            | empty

```

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   |   +--rw ip-access-list:ip-acl-interface /*drop-node-name*/
  |   |   +--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 /*drop-
node-name*/
  |   |   |   +--rw ip-access-list:ip-direction enumeration /*drop-node-
name*/
  |   |   |   +--rw ip-access-list:traffic-type? enumeration /*drop-node-
name*/

```

```

module: brocade-interface
  +--rw interface
  |   +--rw tengigabitethernet [name]
  |   |   +--rw ip-access-list:ip-acl-interface /*drop-node-name*/
  |   |   +--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 /*drop-
node-name*/
  |   |   |   +--rw ip-access-list:ip-direction enumeration /*drop-node-
name*/
  |   |   |   +--rw ip-access-list:traffic-type? enumeration /*drop-node-
name*/

```

```

module: brocade-interface
  +--rw interface
  |   +--rw fortygigabitethernet [name]
  |   |   +--rw ip-access-list:ip-acl-interface /*drop-node-name*/
  |   |   +--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 /*drop-
node-name*/
  |   |   |   +--rw ip-access-list:ip-direction enumeration /*drop-node-
name*/
  |   |   |   +--rw ip-access-list:traffic-type? enumeration /*drop-node-
name*/

```

```

module: brocade-interface
  +--rw interface
  |   +--rw hundredgigabitethernet [name]
  |   |   +--rw ip-access-list:ip-acl-interface /*drop-node-name*/
  |   |   +--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 /*drop-
node-name*/
  |   |   |   +--rw ip-access-list:ip-direction enumeration /*drop-node-
name*/
  |   |   |   +--rw ip-access-list:traffic-type? enumeration /*drop-node-
name*/

```

```

module: brocade-interface
  +--rw interface
  |   +--rw port-channel [name]
  |   |   +--rw ip-access-list:ip-acl-interface /*drop-node-name*/
  |   |   +--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 /*drop-
node-name*/
  |   |   |   +--rw ip-access-list:ip-direction enumeration /*drop-node-
name*/
  |   |   |   +--rw ip-access-list:traffic-type? enumeration /*drop-node-
name*/

```

```

module: brocade-interface
  +--rw interface
  |   +--rw management [name]
  |   |   +--rw ip
  |   |   |   +--rw ip-access-list:access-group
  |   |   |   +--rw ip-access-list:mgmt-ip-access-list? 13-acl-policy-name /*drop-

```

```

node-name*/
| | | +--rw ip-access-list:mgmt-ip-direction? enumeration /*drop-node-
name*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id uint32
+--ro brocade-interface:interface
| +--ro brocade-interface:ve [name]
| | +--ro ip-access-list:ip-acl-interface /*drop-node-name*/
| | | +--ro ip-access-list:ip
| | | +--ro ip-access-list:access-group [ip-access-list ip-direction]
| | | +--ro ip-access-list:ip-access-list l3-acl-policy-name /
/*drop-node-name*/
| | | +--ro ip-access-list:ip-direction enumeration /*drop-node-
name*/
| | | +--ro ip-access-list:traffic-type? enumeration /*drop-node-
name*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw ip
| +--rw ip-access-list:receive
| | +--rw ip-access-list:access-group
| | +--rw ip-access-list:ip-access-list? l3-acl-policy-name /*drop-node-
name*/
| | +--rw ip-access-list:ip-direction? enumeration /*drop-node-name*/

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Container <i>access-group</i> containing leaves <i>ip-access-list</i> and <i>ip-direction</i> were added in augment to brocade-rbridge -> <i>receive</i> (container). • Leaves <i>action</i>, <i>src-host-ip</i> and <i>src-mask</i> within grouping <i>ip-std-access-list-rule</i> were made mandatory true. • Leaves <i>action</i>, <i>src-host-ip</i>, <i>src-mask</i>, <i>sport-number-eq-neq-tcp</i>, <i>sport-number-lt-tcp</i>, <i>sport-number-gt-tcp</i>, <i>sport-number-eq-neq-udp</i>, <i>sport-number-lt-udp</i>, <i>sport-number-gt-udp</i>, <i>sport-number-range-lower-tcp</i>, <i>sport-number-range-lower-udp</i>, <i>sport-number-range-higher-tcp</i>, <i>sport-number-range-higher-udp</i>, <i>dst-host-ip</i>, <i>dst-mask</i>, <i>dport-number-eq-neq-tcp</i>, <i>dport-number-lt-tcp</i>, <i>dport-number-gt-tcp</i>, <i>dport-number-eq-neq-udp</i>, <i>dport-number-lt-udp</i>, <i>dport-number-gt-udp</i>, <i>dport-number-range-lower-tcp</i>, <i>dport-number-range-lower-udp</i>, <i>dport-number-range-higher-tcp</i>, and <i>dport-number-range-higher-udp</i> within grouping <i>ip-ext-access-list-rule</i> were made mandatory true.

brocade-ip-administration

Provides a data model for configuring the domain name server.

External augmentations

```
module: brocade-common-def
  +--rw ip
  |   +--rw ip-administration:dns
  |   |   +--rw ip-administration:dom-name /*drop-node-name*/
  |   |   |   +--rw ip-administration:domain-name? string
  |   |   +--rw ip-administration:name-server [name-server-ip]
  |   |       +--rw ip-administration:name-server-ip inet:ip-address
```

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-interface
  +--rw interface
    +--rw gigabitethernet [name]
      | | +--rw ip
      | | | +--rw ip-config:ip-config /*drop-node-name*/
      | | | | +--rw ip-config:mtu? uint32
      | | | | +--rw ip-config:directed-broadcast? 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-
      | | | | /*drop-node-name*/
      | | | | +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-
      | | | | /*drop-node-name*/
      interface-type_t
      interface-name_t

```

```

module: brocade-interface
  +--rw interface
    +--rw tengigabitethernet [name]
      | | +--rw ip
      | | | +--rw ip-config:ip-config /*drop-node-name*/
      | | | | +--rw ip-config:mtu? uint32
      | | | | +--rw ip-config:directed-broadcast? 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-
      | | | | /*drop-node-name*/
      | | | | +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-
      | | | | /*drop-node-name*/
      interface-type_t
      interface-name_t

```

```

module: brocade-interface
  +--rw interface
    +--rw fortygigabitethernet [name]
      | | +--rw ip
      | | | +--rw ip-config:ip-config /*drop-node-name*/
      | | | | +--rw ip-config:mtu? uint32
      | | | | +--rw ip-config:directed-broadcast? 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 /*drop-node-name*/
| | | | +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-
interface-name_t /*drop-node-name*/

```

```

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw ip
| | | +--rw ip-config:ip-config /*drop-node-name*/
| | | | +--rw ip-config:mtu? uint32
| | | | +--rw ip-config:directed-broadcast? 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 /*drop-node-name*/
| | | +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-
interface-name_t /*drop-node-name*/

```

```

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw ip
| | | +--rw ip-config:ip-config /*drop-node-name*/
| | | | +--rw ip-config:mtu? uint32
| | | | +--rw ip-config:directed-broadcast? 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 /*drop-node-name*/
| | | +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-
interface-name_t /*drop-node-name*/

```

```

module: brocade-intf-loopback
+--rw hide-intf-loopback-holder
+--rw interface
| +--rw loopback [id]
| | +--rw ip-config:ip
| | | +--rw ip-config:ip-config /*drop-node-name*/
| | | +--rw ip-config:address [address]
| | | | +--rw ip-config:address union

```

```

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
| +--rw rbridge-id uint32
| +--ro brocade-interface:interface
| | +--ro brocade-interface:ve [name]
| | | +--ro ip-config:vrf
| | | | +--ro ip-config:forwarding? common-def:vrf-name
| | | +--ro ip-config:ip
| | | | +--ro ip-config:ip-config /*drop-node-name*/
| | | | | +--ro ip-config:mtu? uint32
| | | | | +--ro ip-config:directed-broadcast? empty
| | | | | +--ro ip-config:arp
| | | | | | +--ro ip-config:learn-any? empty
| | | | | +--ro ip-config:proxy-arp? empty
| | | | | +--ro ip-config:arp-aging-timeout? uint32
| | | | +--ro ip-config:address [address]

```

```

| | | | +---ro ip-config:address          union
| | | | +---ro ip-config:secondary?      empty
| | | | +---ro ip-config:ospf-passive?    empty
| | | | +---ro ip-config:ospf-ignore?     empty

module: brocade-rbridge
+---rw rbridge-id [rbridge-id]
+---rw rbridge-id                               uint32
+---ro brocade-interface:interface
| +---ro intf-loopback:loopback [id]
| | +---ro ip-config:ip
| | | +---ro ip-config:ip-config /*drop-node-name*/
| | | | +---ro ip-config:address [address]
| | | | +---ro ip-config:address          union

module: brocade-rbridge
+---rw rbridge-id [rbridge-id]
+---rw rbridge-id                               uint32
+---ro brocade-interface:interface
| +---ro brocade-interface:ve [name]
| | +---ro ip-config:shutdown?                empty

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Type of leaf <i>address</i> within list <i>address</i> was changed to <i>union</i>. <i>common-def:ipv4-prefix-mask</i> and <i>inet:ipv4-prefix-types</i> type support was added.
7.0.0	This YANG module was modified to include the following: - Container <i>arp</i> containing leaf <i>learn-any</i> was added under container <i>ip-config</i> in augment to the following: /interface:interface/interface:gigabitethernet/interface:ip. /interface:interface/interface:tengigabitethernet/interface:ip. /interface:interface/interface:fortygigabitethernet/interface:ip. /interface:interface/interface:hundredgigabitethernet/interface:ip. /interface:interface/interface:port-channel/interface:ip. /rbridge:rbridge-id/interface:interface/interface:ve. - Container <i>unnumbered</i> containing leaves <i>ip-donor-interface-type</i> and <i>ip-donor-interface-name</i> were added in augment to the following: /interface:interface/interface:gigabitethernet/interface:ip. /interface:interface/interface:tengigabitethernet/interface:ip. /interface:interface/interface:fortygigabitethernet/interface:ip. /interface:interface/interface:hundredgigabitethernet/interface:ip. /interface:interface/interface:port-channel/interface:ip.

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.

Top-level container

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```

| | +--rw community
| | | +--rw community-access-list-name? match-community-list-name-t /
*drop-node-name*/
| | +--rw protocol
| | | +--rw protocol-static-container /*drop-node-name*/
| | | | +--rw static? empty
| | | +--rw bgp-protocol-container /*drop-node-name*/
| | | | +--rw protocol-bgp? empty /*alt-name: bgp*/
| | | | +--rw bgp-route-type? enumeration /*drop-node-name*/
+--rw set
+--rw ip
| | +--rw dscp
| | | +--rw dscp-rms? dscp-precedence /*drop-node-name*/
+--rw interface
| | +--rw null0? empty
+--rw next-hop
| | +--rw peer-address? empty
+--rw global
| | +--rw next-global-hop [next-hop] /*drop-node-name*/
| | | +--rw next-hop inet:ipv4-address
+--rw next-ip /*drop-node-name*/
| | +--rw next-hop [next-hop] /*drop-node-name*/
| | | +--rw next-hop inet:ipv4-address
+--rw next-vrf /*drop-node-name*/
| | +--rw next-vrf-list [vrf next-hop] /*drop-node-name*/
| | | +--rw vrf string
| | | +--rw next-hop inet:ipv4-address
+--rw ipv6
| | +--rw interface
| | | +--rw ipv6-null0? empty /*alt-name: null0*/
+--rw global
| | +--rw next-global-hop [next-hop] /*drop-node-name*/
| | | +--rw next-hop inet:ipv6-address
+--rw next-ip /*drop-node-name*/
| | +--rw next-hop [next-hop] /*drop-node-name*/
| | | +--rw next-hop inet:ipv6-address
+--rw next-vrf /*drop-node-name*/
| | +--rw next-vrf-list [vrf next-hop] /*drop-node-name*/
| | | +--rw vrf string
| | | +--rw next-hop inet:ipv6-address
+--rw extcommunity
| | +--rw rt
| | | +--rw ASN-NN-rt? ext-community-rt-expr-t /*drop-node-name*/
+--rw soo
| | +--rw ASN-NN-soo? ext-community-soo-expr-t /*drop-node-name*/
+--rw community
| | +--rw set-community-expr? set-community-expr-t /*drop-node-name*/
+--rw metric
| | +--rw delta-rms? enumeration /*drop-node-name*/
| | +--rw metric-rms? metric-t /*drop-node-name*/
+--rw distance
| | +--rw dist-rms? distance-t /*drop-node-name*/
+--rw tag
| | +--rw tag-rms? tag-t /*drop-node-name*/
+--rw weight
| | +--rw weight-value? uint32 /*drop-node-name*/
+--rw as-path
| | +--rw aspath-tag? empty /*alt-name: tag*/
| | +--rw prepend? string
+--rw automatic-tag
| | +--rw tag-empty? empty /*drop-node-name*/
+--rw comm-list
| | +--rw comm-list-name? ip-community-list-name-t /*drop-node-
name*/
| | | +--rw match-comm-delete? empty /*alt-name: delete*/
+--rw dampening
| | +--rw half-life? uint32 /*drop-node-name*/
| | +--rw reuse? uint32 /*drop-node-name*/
| | +--rw suppress? uint32 /*drop-node-name*/
| | +--rw max-suppress-time? uint32 /*drop-node-name*/
+--rw local-preference
| | +--rw local-preference-value? uint32 /*drop-node-name*/
+--rw origin
| | +--rw origin-igp? empty /*alt-name: igp*/
| | +--rw origin-incomplete? empty /*alt-name: incomplete*/
+--rw metric-type
| | +--rw type-1? empty
| | +--rw type-2? empty

```

```

|         +--rw continue-holder /*drop-node-name*/
|         |         +--rw continue?          empty
|         |         +--rw continue-val?      uint32 /*drop-node-name*/
+--rw hide-filter-change-update-delay-holder /*drop-node-name*/
|         +--rw filter-change-update-delay [filter-delay-value]
|         |         +--rw filter-delay-value      uint32 /*drop-node-name*/

```

External augmentations

```

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw ip
|   +--rw ip-policy:prefix-list [name seq-keyword instance]
|   |   +--rw ip-policy:name          ip-prefix-name-t /*drop-node-name*/
|   |   +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
|   |   +--rw ip-policy:instance       instance-id-t
|   |   +--rw ip-policy:action-ipp?    action-t
|   |   +--rw ip-policy:prefix-ipp?    inet:ipv4-prefix /*drop-node-name*/
|   |   +--rw ip-policy:ge-ipp?        prefix-len-t /*alt-name:ge*/
|   |   +--rw ip-policy:le-ipp?        prefix-len-t /*alt-name:le*/
|   +--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 /*drop-node-name*/
|   |   |   +--rw ip-policy:instance       instance-id-t
|   |   |   +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
|   |   |   +--rw ip-policy:ip-reg-expr?   ip-as-path-reg-expr-t /*drop-node-name*/
|   +--rw ip-policy:community-list
|   |   +--rw ip-policy:standard [name seq-keyword instance]
|   |   |   +--rw ip-policy:name          ip-community-list-name-t /*drop-
node-name*/
|   |   |   +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
|   |   |   +--rw ip-policy:instance       instance-id-t
|   |   |   +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
|   |   +--rw ip-policy:std-community-expr? ip-std-community-expr-t /*drop-
node-name*/
|   |   +--rw ip-policy:extended [name seq-keyword instance]
|   |   |   +--rw ip-policy:name          ip-community-list-name-t
|   |   |   +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
|   |   |   +--rw ip-policy:instance       instance-id-t
|   |   |   +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
|   |   +--rw ip-policy:ip-community-reg-expr? ip-community-reg-expr-t /
*drop-node-name*/
|   +--rw ip-policy:extcommunity-list [extcommunity-list-num]
|   |   +--rw ip-policy:extcommunity-list-num extcommunitylist-instance /*drop-
node-name*/
|   |   +--rw ip-policy:ext-community-action? action-t /*drop-node-name*/
|   |   +--rw ip-policy:ext-community-expr?   extcommunity-list-expr-t /
*drop-node-name*/

```

```

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw ipv6
|   +--rw ip-policy:prefix-list [name seq-keyword instance]
|   |   +--rw ip-policy:name          ipv6-prefix-name-t /*drop-node-name*/
|   |   +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
|   |   +--rw ip-policy:instance       instance-id-t
|   |   +--rw ip-policy:action-ipp?    action-t
|   |   +--rw ip-policy:ipv6-prefix-ipp? inet:ipv6-prefix /*drop-node-name*/
|   |   +--rw ip-policy:ge-ipp?        ipv6-prefix-len-t /*alt-name:ge*/
|   |   +--rw ip-policy:le-ipp?        ipv6-prefix-len-t /*alt-name:le*/

```

```

module: brocade-common-def
+--rw ipv6
|   +--rw ip-policy:hide-prefix-holder /*drop-node-name*/
|   |   +--rw ip-policy:prefix-list [name seq-keyword instance]
|   |   |   +--rw ip-policy:name          ipv6-prefix-name-t /*drop-node-name*/
|   |   |   +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
|   |   |   +--rw ip-policy:instance       instance-id-t
|   |   |   +--rw ip-policy:action-ipp?    action-t
|   |   +--rw ip-policy:ipv6-prefix-ipp?   inet:ipv6-prefix /*drop-node-name*/
|   |   +--rw ip-policy:ge-ipp?            ipv6-prefix-len-t /*alt-name:ge*/
|   |   +--rw ip-policy:le-ipp?            ipv6-prefix-len-t /*alt-name:le*/

```

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw ip-policy:route-map [name action-rm instance]
      +--rw ip-policy:name          common-def:name-string63 /*drop-node-name*/
      +--rw ip-policy:action-rm     action-t /*drop-node-name*/
      +--rw ip-policy:instance      instance-id-t /*drop-node-name*/
      +--rw ip-policy:content /*drop-node-name*/
      +--rw ip-policy:match
        +--rw ip-policy:vrf?          common-def:vrf-name
        +--rw ip-policy:interface
        +--rw ip-policy:tengigabitethernet-rmm*      interface:interface-
type
        +--rw ip-policy:gigabitethernet-rmm*        interface:interface-
type
        +--rw ip-policy:fortygigabitethernet-rmm*   interface:interface-
type
        +--rw ip-policy:hundredgigabitethernet-rmm* interface:interface-
type
        +--rw ip-policy:port-channel-rmm*
interface:portchannel-type /*alt-name:port-channel*/
        +--rw ip-policy:vlan-rmm*          interface:vlan-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?   ipv6-prefix-name-t /
*alt-name:prefix-list*/
        +--rw ip-policy:ipv6-acl-rmm?          ipv6-access-list:ipv6-
l3-acl-policy-name /*alt-name:acl*/
        +--rw ip-policy:next-hop
        +--rw ip-policy:ipv6-prefix-list-rmm-n? ipv6-prefix-name-t /
*alt-name:prefix-list*/
        +--rw ip-policy:route-source
        +--rw ip-policy:ipv6-prefix-list-rmrs?  string /*alt-
name:prefix-list*/
        +--rw ip-policy:ip
        +--rw ip-policy:address
        +--rw ip-policy:prefix-list-rmm?       ip-prefix-name-t /*alt-
name:prefix-list*/
        +--rw ip-policy:acl-rmm?              ip-access-list:l3-acl-policy-
name /*alt-name:acl*/
        +--rw ip-policy:next-hop
        +--rw ip-policy:prefix-list-rmm-n?     ip-prefix-name-t /*alt-
name:prefix-list*/
        +--rw ip-policy:route-source
        +--rw ip-policy:prefix-list-rmrs?      string /*alt-name:prefix-
list*/
        +--rw ip-policy:extcommunity
        +--rw ip-policy:extcommunity-num?      extcommunitylist-expr /*drop-
node-name*/
        +--rw ip-policy:metric
        +--rw ip-policy:metric-rmm?            metric-t /*drop-node-name*/
        +--rw ip-policy:route-type
        +--rw ip-policy:route-type-rmm?        match-route-type-t /*drop-node-
name*/
        +--rw ip-policy:tag
        +--rw ip-policy:tag-rmm*               tag-t /*drop-node-name*/
        +--rw ip-policy:as-path
        +--rw ip-policy:as-path-access-list-name? ip-as-path-name-t /
*drop-node-name*/
        +--rw ip-policy:community
        +--rw ip-policy:community-access-list-name? match-community-list-
name-t /*drop-node-name*/
        +--rw ip-policy:next-hop
        +--rw ip-policy:next-hop-filter-val?   uint32 /*drop-node-name*/
        +--rw ip-policy:protocol
        +--rw ip-policy:protocol-static-container /*drop-node-name*/
        +--rw ip-policy:static?               empty
        +--rw ip-policy:bgp-protocol-container /*drop-node-name*/
        +--rw ip-policy:protocol-bgp?         empty /*alt-name:bgp*/
        +--rw ip-policy:bgp-route-type?       enumeration /*drop-node-name*/
        +--rw ip-policy:set
        +--rw ip-policy:ip
        +--rw ip-policy:dscp
        +--rw ip-policy:dscp-rms?              dscp-precedence /*drop-node-name*/
        +--rw ip-policy:interface

```

```

| | | +--rw ip-policy:null0? empty
| | | +--rw ip-policy:next-hop
| | | | +--rw ip-policy:peer-address? empty
| | | +--rw ip-policy:global
| | | | +--rw ip-policy:next-global-hop [next-hop] /*drop-node-name*/
| | | | | +--rw ip-policy:next-hop inet:ipv4-address
| | | +--rw ip-policy:next-ip /*drop-node-name*/
| | | | +--rw ip-policy:next-hop [next-hop] /*drop-node-name*/
| | | | | +--rw ip-policy:next-hop inet:ipv4-address
| | | +--rw ip-policy:next-vrf /*drop-node-name*/
| | | | +--rw ip-policy:next-vrf-list [vrf next-hop] /*drop-node-name*/
| | | | | +--rw ip-policy:vrf string
| | | | | +--rw ip-policy:next-hop inet:ipv4-address
| | | +--rw ip-policy:ipv6
| | | | +--rw ip-policy:interface
| | | | | +--rw ip-policy:ipv6-null0? empty /*alt-name:null0*/
| | | +--rw ip-policy:global
| | | | +--rw ip-policy:next-global-hop [next-hop] /*drop-node-name*/
| | | | | +--rw ip-policy:next-hop inet:ipv6-address
| | | +--rw ip-policy:next-ip /*drop-node-name*/
| | | | +--rw ip-policy:next-hop [next-hop] /*drop-node-name*/
| | | | | +--rw ip-policy:next-hop inet:ipv6-address
| | | +--rw ip-policy:next-vrf /*drop-node-name*/
| | | | +--rw ip-policy:next-vrf-list [vrf next-hop] /*drop-node-name*/
| | | | | +--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 /*drop-node-
name*/
| | | | | +--rw ip-policy:soo
| | | | | | +--rw ip-policy:ASN-NN-soo? ext-community-soo-expr-t /*drop-
node-name*/
| | | | | +--rw ip-policy:community
| | | | | | +--rw ip-policy:set-community-expr? set-community-expr-t /*drop-
node-name*/
| | | +--rw ip-policy:metric
| | | | +--rw ip-policy:delta-rms? enumeration /*drop-node-name*/
| | | | +--rw ip-policy:metric-rms? metric-t /*drop-node-name*/
| | | +--rw ip-policy:distance
| | | | +--rw ip-policy:dist-rms? distance-t /*drop-node-name*/
| | | +--rw ip-policy:tag
| | | | +--rw ip-policy:tag-rms? tag-t /*drop-node-name*/
| | | +--rw ip-policy:weight
| | | | +--rw ip-policy:weight-value? uint32 /*drop-node-name*/
| | | +--rw ip-policy:as-path
| | | | +--rw ip-policy:aspath-tag? empty /*alt-name:tag*/
| | | | +--rw ip-policy:prepend? string
| | | +--rw ip-policy:automatic-tag
| | | | +--rw ip-policy:tag-empty? empty /*drop-node-name*/
| | | +--rw ip-policy:comm-list
| | | | +--rw ip-policy:comm-list-name? ip-community-list-name-t /
*drop-node-name*/
| | | | +--rw ip-policy:match-comm-delete? empty /*alt-name:delete*/
| | | +--rw ip-policy:dampening
| | | | +--rw ip-policy:half-life? uint32 /*drop-node-name*/
| | | | +--rw ip-policy:reuse? uint32 /*drop-node-name*/
| | | | +--rw ip-policy:suppress? uint32 /*drop-node-name*/
| | | | +--rw ip-policy:max-suppress-time? uint32 /*drop-node-name*/
| | | +--rw ip-policy:local-preference
| | | | +--rw ip-policy:local-preference-value? uint32 /*drop-node-name*/
| | | +--rw ip-policy:origin
| | | | +--rw ip-policy:origin-igp? empty /*alt-name:igp*/
| | | | +--rw ip-policy:origin-incomplete? empty /*alt-name:incomplete*/
| | | +--rw ip-policy:metric-type
| | | | +--rw ip-policy:type-1? empty
| | | | +--rw ip-policy:type-2? empty
| | | +--rw ip-policy:continue-holder /*drop-node-name*/
| | | | +--rw ip-policy:continue? empty
| | | | +--rw ip-policy:continue-val? uint32 /*drop-node-name*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id uint32
+--ro brocade-interface:interface
| +--ro brocade-interface:ve [name]
| | +--ro ipv6-config:ipv6

```

```

        | | | +--ro ip-policy:policy
        | | | +--ro ip-policy:route-map
        | | | +--ro ip-policy:ipv6-route-map-name? common-def:name-
string63 /*drop-node-name*/

module: brocade-interface
  +--rw interface
  | +--rw gigabitethernet [name]
  | | +--rw ipv6
  | | | +--rw ip-policy:policy
  | | | +--rw ip-policy:route-map
  | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-string63 /
  /*drop-node-name*/

module: brocade-interface
  +--rw interface
  | +--rw tengigabitethernet [name]
  | | +--rw ipv6
  | | | +--rw ip-policy:policy
  | | | +--rw ip-policy:route-map
  | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-string63 /
  /*drop-node-name*/

module: brocade-interface
  +--rw interface
  | +--rw fortygigabitethernet [name]
  | | +--rw ipv6
  | | | +--rw ip-policy:policy
  | | | +--rw ip-policy:route-map
  | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-string63 /
  /*drop-node-name*/

module: brocade-interface
  +--rw interface
  | +--rw hundredgigabitethernet [name]
  | | +--rw ipv6
  | | | +--rw ip-policy:ip-pbr-interface /*drop-node-name*/
  | | | +--rw ip-policy:ip
  | | | +--rw ip-policy:policy
  | | | +--rw ip-policy:route-map
  | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-string63 /
  /*drop-node-name*/

module: brocade-interface
  +--rw interface
  | +--rw port-channel [name]
  | | +--rw ipv6
  | | | +--rw ip-policy:policy
  | | | +--rw ip-policy:route-map
  | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-string63

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw brocade-interface:interface
  | +--rw brocade-interface:ve [name]
  | | +--rw ipv6-config:ipv6
  | | | +--rw ip-policy:policy
  | | | +--rw ip-policy:route-map
  | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-
string63 /*drop-node-name*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw ip
  | +--rw ip-policy:prefix-list [name seq-keyword instance]
  | | +--rw ip-policy:name ip-prefix-name-t /*drop-node-name*/
  | | +--rw ip-policy:seq-keyword enumeration /*drop-node-name*/
  | | +--rw ip-policy:instance instance-id-t
  | | +--rw ip-policy:action-ipp? action-t
  | | +--rw ip-policy:prefix-ipp? inet:ipv4-prefix /*drop-node-name*/
  | | +--rw ip-policy:ge-ipp? prefix-len-t /*alt-name:ge*/

```

```

| | +--rw ip-policy:le-ipp?          prefix-len-t /*alt-name:le*/
+--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 /*drop-node-name*/
| | | +--rw ip-policy:instance       instance-id-t
| | | +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
| | | +--rw ip-policy:ip-reg-expr?   ip-as-path-reg-expr-t /*drop-node-name*/
+--rw ip-policy:community-list
| | +--rw ip-policy:standard [name seq-keyword instance]
| | | +--rw ip-policy:name          ip-community-list-name-t /*drop-
node-name*/
| | | +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
| | | +--rw ip-policy:instance       instance-id-t
| | | +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
+--rw ip-policy:std-community-expr? ip-std-community-expr-t /*drop-
node-name*/
| | +--rw ip-policy:extended [name seq-keyword instance]
| | | +--rw ip-policy:name          ip-community-list-name-t
| | | +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
| | | +--rw ip-policy:instance       instance-id-t
| | | +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
+--rw ip-policy:ip-community-reg-expr? ip-community-reg-expr-t /
*drop-node-name*/
| | +--rw ip-policy:extcommunity-list [extcommunity-list-num]
+--rw ip-policy:extcommunity-list-num extcommunitylist-instance /*drop-
node-name*/
| | +--rw ip-policy:ext-community-action? action-t /*drop-node-name*/
+--rw ip-policy:ext-community-expr?   extcommunity-list-expr-t /*drop-
node-name*/

module: brocade-common-def
+--rw ip
| +--rw ip-policy:hide-prefix-holder /*drop-node-name*/
| | +--rw ip-policy:prefix-list [name seq-keyword instance]
| | | +--rw ip-policy:name          ip-prefix-name-t /*drop-node-name*/
| | | +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
| | | +--rw ip-policy:instance       instance-id-t
| | | +--rw ip-policy:action-ipp?    action-t
| | | +--rw ip-policy:prefix-ipp?    inet:ipv4-prefix /*drop-node-name*/
| | | +--rw ip-policy:ge-ipp?        prefix-len-t /*alt-name:ge*/
| | | +--rw ip-policy:le-ipp?        prefix-len-t /*alt-name:le*/
+--rw ip-policy:hide-as-path-holder /*drop-node-name*/
| | +--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 /*drop-node-name*/
| | | | +--rw ip-policy:instance       instance-id-t
| | | | +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
| | | | +--rw ip-policy:ip-reg-expr?   ip-as-path-reg-expr-t /*drop-node-name*/
+--rw ip-policy:hide-community-list-holder /*drop-node-name*/
| | +--rw ip-policy:community-list
| | | +--rw ip-policy:standard [name seq-keyword instance]
| | | | +--rw ip-policy:name          ip-community-list-name-t /*drop-
node-name*/
| | | | +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
| | | | +--rw ip-policy:instance       instance-id-t
| | | | +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
+--rw ip-policy:std-community-expr? ip-std-community-expr-t /*drop-
node-name*/
| | +--rw ip-policy:extended [name seq-keyword instance]
| | | +--rw ip-policy:name          ip-community-list-name-t
| | | +--rw ip-policy:seq-keyword    enumeration /*drop-node-name*/
| | | +--rw ip-policy:instance       instance-id-t
| | | +--rw ip-policy:ip-action?     action-t /*drop-node-name*/
+--rw ip-policy:ip-community-reg-expr? ip-community-reg-expr-t /
*drop-node-name*/
| | +--rw ip-policy:hide-ext-community-list-holder /*drop-node-name*/
| | | +--rw ip-policy:extcommunity-list [extcommunity-list-num]
+--rw ip-policy:extcommunity-list-num extcommunitylist-instance /*drop-
node-name*/
| | +--rw ip-policy:ext-community-action? action-t /*drop-node-name*/
+--rw ip-policy:ext-community-expr?   extcommunity-list-expr-t

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]

```

```

+---rw ip-policy:filter-change-update-delay [filter-delay-value]
|   +---rw ip-policy:filter-delay-value      uint32

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>vrf</i> was added within container <i>match</i> under <i>hide-routemap-holder</i> (container) -> <i>route-map</i> (list) -> <i>content</i> (container). • Leaf <i>vrf</i> was added within container <i>match</i> in augment to brocade-rbridge -> <i>route-map</i> (container) -> <i>content</i> (container).
7.0.0	This YANG module was modified to include the following: • Type of leaf <i>ext-community-expr</i> under grouping <i>extcommunity-list-rules</i> was changed to <i>extcommunity-list-expr-t</i> in augment to /common-def:ip. • Support for interface port-channel. • Type of leaf-list <i>port-channel-rmm</i> under container <i>interface</i> was changed from <i>interface:channel-group-type</i> to <i>interface:portchannel-type</i>.

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 /*drop-node-name*/
          | | +--rw src-host-any-sip union /*drop-node-name*/
          | | +--rw src-host-ip? sip /*drop-node-name*/
          | | +--rw src-mask?    sip-mask /*drop-node-name*/
          | | +--rw count?      empty
          | | +--rw log?        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 /*drop-node-name-
name*/
            | +--rw protocol-type union /*drop-node-name*/
            | +--rw src-host-any-sip union /*drop-node-name*/
            | +--rw src-host-ip? sip /*drop-node-name*/
            | +--rw src-mask?    sip-mask /*drop-node-name*/
            | +--rw sport?      enumeration /*drop-node-
name*/
            | +--rw sport-number-eq-neq-tcp? union /*drop-node-name*/
            | +--rw sport-number-lt-tcp? union /*drop-node-name*/
            | +--rw sport-number-gt-tcp? union /*drop-node-name*/
            | +--rw sport-number-eq-neq-udp? union /*drop-node-name*/
            | +--rw sport-number-lt-udp? union /*drop-node-name*/
            | +--rw sport-number-gt-udp? union /*drop-node-name*/
            | +--rw sport-number-range-lower-tcp? union /*drop-node-name*/
            | +--rw sport-number-range-lower-udp? union /*drop-node-name*/
            | +--rw sport-number-range-higher-tcp? union /*drop-node-name*/
            | +--rw sport-number-range-higher-udp? union /*drop-node-name*/
            | +--rw dst-host-any-dip union /*drop-node-name*/
            | +--rw dst-host-ip? dip /*drop-node-name*/
            | +--rw dst-mask?    dip-mask /*drop-node-name*/
            | +--rw dport?      enumeration /*drop-node-
name*/
            | +--rw dport-number-eq-neq-tcp? union /*drop-node-name*/
            | +--rw dport-number-lt-tcp? union /*drop-node-name*/
            | +--rw dport-number-gt-tcp? union /*drop-node-name*/
            | +--rw dport-number-eq-neq-udp? union /*drop-node-name*/
            | +--rw dport-number-lt-udp? union /*drop-node-name*/
            | +--rw dport-number-gt-udp? union /*drop-node-name*/
            | +--rw dport-number-range-lower-tcp? union /*drop-node-name*/
            | +--rw dport-number-range-lower-udp? union /*drop-node-name*/
            | +--rw dport-number-range-higher-tcp? union /*drop-node-name*/
            | +--rw dport-number-range-higher-udp? union /*drop-node-name*/
            | +--rw dscp? union
            | +--rw urg? empty
            | +--rw ack? empty
            | +--rw push? empty
            | +--rw fin? empty
            | +--rw rst? empty
            | +--rw sync? empty
            | +--rw vlan? interface:vlan-type /*alt-
name:vlan*/
            +--rw count? empty
            +--rw log? empty

```

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-access-list:access-group [ipv6-access-list ip-direction]
  |   |   |   +--rw ipv6-access-list:ipv6-access-list      ipv6-l3-acl-policy-name /
  |   |   |   *drop-node-name*/
  |   |   |   +--rw ipv6-access-list:ip-direction          enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   +--rw ipv6-access-list:traffic-type?         enumeration /*drop-node-
  |   |   |   name*/

module: brocade-interface
  +--rw interface
  |   +--rw tengigabitethernet [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-access-list:access-group [ipv6-access-list ip-direction]
  |   |   |   +--rw ipv6-access-list:ipv6-access-list      ipv6-l3-acl-policy-name /
  |   |   |   *drop-node-name*/
  |   |   |   +--rw ipv6-access-list:ip-direction          enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   +--rw ipv6-access-list:traffic-type?         enumeration /*drop-node-
  |   |   |   name*/

module: brocade-interface
  +--rw interface
  |   +--rw fortygigabitethernet [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-access-list:access-group [ipv6-access-list ip-direction]
  |   |   |   +--rw ipv6-access-list:ipv6-access-list      ipv6-l3-acl-policy-name /
  |   |   |   *drop-node-name*/
  |   |   |   +--rw ipv6-access-list:ip-direction          enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   +--rw ipv6-access-list:traffic-type?         enumeration /*drop-node-
  |   |   |   name*/

module: brocade-interface
  +--rw interface
  |   +--rw hundredgigabitethernet [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-access-list:access-group [ipv6-access-list ip-direction]
  |   |   |   +--rw ipv6-access-list:ipv6-access-list      ipv6-l3-acl-policy-name /
  |   |   |   *drop-node-name*/
  |   |   |   +--rw ipv6-access-list:ip-direction          enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   +--rw ipv6-access-list:traffic-type?         enumeration /*drop-node-
  |   |   |   name*/

module: brocade-interface
  +--rw interface
  |   +--rw port-channel [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-access-list:access-group [ipv6-access-list ip-direction]
  |   |   |   +--rw ipv6-access-list:ipv6-access-list      ipv6-l3-acl-policy-name /
  |   |   |   *drop-node-name*/
  |   |   |   +--rw ipv6-access-list:ip-direction          enumeration /*drop-node-
  |   |   |   name*/
  |   |   |   +--rw ipv6-access-list:traffic-type?         enumeration /*drop-node-
  |   |   |   name*/

module: brocade-interface
  +--rw interface
  |   +--rw brocade-interface:interface
  |   |   +--rw brocade-interface:ve [name]
  |   |   |   +--rw brocade-interface:name                ve-type
  |   |   |   +--rw ip-access-list:ip-acl-interface /*drop-node-name*/
  |   |   |   +--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 /*drop-node-
  |   |   |   name*/
  |   |   |   name*/

```

```

module: brocade-interface
  +--rw interface
  |   +--rw management [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-access-list:access-group
  |   |   |   +--rw ipv6-access-list:mgmt-ipv6-access-list?   ipv6-l3-acl-policy-
name /*drop-node-name*/
  |   |   |   +--rw ipv6-access-list:mgmt-ip-direction?       enumeration /*drop-
node-name*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  |   +--rw rbridge-id                                     uint32
  |   +--ro brocade-interface:interface
  |   |   +--ro brocade-interface:ve [name]
  |   |   |   +--ro ipv6-config:ipv6
  |   |   |   |   +--ro ipv6-access-list:access-group [ipv6-access-list ip-direction]
  |   |   |   |   +--ro ipv6-access-list:ipv6-access-list   ipv6-l3-acl-policy-name /
  |   |   |   |   *drop-node-name*/
  |   |   |   |   |   +--ro ipv6-access-list:ip-direction     enumeration /*drop-node-
name*/
  |   |   |   |   |   +--ro ipv6-access-list:traffic-type?    enumeration /*drop-node-
name*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  |   +--rw ipv6
  |   |   +--rw ipv6-access-list:receive
  |   |   |   +--rw ipv6-access-list:access-group
  |   |   |   |   +--rw ipv6-access-list:ipv6-access-list?   ipv6-l3-acl-policy-name /
  |   |   |   |   *drop-node-name*/
  |   |   |   |   |   +--rw ipv6-access-list:ip-direction?    enumeration /*drop-node-
name*/

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: Container <i>access-group</i> containing leaves <i>ipv6-access-list</i> and <i>ipv6-direction</i> were added in augment to brocade-rbridge -> <i>receive</i> (container).

brocade-ipv6-config

Provides a data model to manage the configuration and RPC implementation for an IP access list.

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   |   +--rw ipv6
  |   |   |   +--rw
  |   |   |   |   +--rw ipv6-config:address
  |   |   |   |   +--rw ipv6-config:use-link-local-only? empty
  |   |   |   |   +--rw ipv6-config:link-local-config /*drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:link-local-address? inet:ipv6-address /
  |   |   |   *drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:link-local? empty
  |   |   |   |   +--rw ipv6-config:ipv6-address [address] /*drop-node-name*/
  |   |   |   |   +--rw ipv6-config:address union
  |   |   |   |   +--rw ipv6-config:secondary? empty
  |   |   |   |   +--rw ipv6-config:eui-config /*drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:eui64? empty /*alt-name:eui-64*/
  |   |   |   |   |   +--rw ipv6-config:eui-secondary? empty /*alt-
  |   |   |   name:secondary*/
  |   |   |   |   +--rw ipv6-config:anycast? empty
  |   |   |   +--rw ipv6-config:mtu? uint32

module: brocade-interface
  +--rw interface
  |   +--rw tengigabitethernet [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-config:ipv6-config /*drop-node-name*/
  |   |   |   +--rw ipv6-config:address
  |   |   |   |   +--rw ipv6-config:use-link-local-only? empty
  |   |   |   |   +--rw ipv6-config:link-local-config /*drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:link-local-address? inet:ipv6-address /
  |   |   |   *drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:link-local? empty
  |   |   |   |   +--rw ipv6-config:ipv6-address [address] /*drop-node-name*/
  |   |   |   |   +--rw ipv6-config:address union
  |   |   |   |   +--rw ipv6-config:secondary? empty
  |   |   |   |   +--rw ipv6-config:eui-config /*drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:eui64? empty /*alt-name:eui-64*/
  |   |   |   |   |   +--rw ipv6-config:eui-secondary? empty /*alt-
  |   |   |   name:secondary*/
  |   |   |   |   +--rw ipv6-config:anycast? empty
  |   |   |   +--rw ipv6-config:mtu? uint32

module: brocade-interface
  +--rw interface
  |   +--rw fortygigabitethernet [name]
  |   |   +--rw ipv6
  |   |   |   +--rw ipv6-config:ipv6-config /*drop-node-name*/
  |   |   |   +--rw ipv6-config:address
  |   |   |   |   +--rw ipv6-config:use-link-local-only? empty
  |   |   |   |   +--rw ipv6-config:link-local-config /*drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:link-local-address? inet:ipv6-address /
  |   |   |   *drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:link-local? empty
  |   |   |   |   +--rw ipv6-config:ipv6-address [address] /*drop-node-name*/
  |   |   |   |   +--rw ipv6-config:address union
  |   |   |   |   +--rw ipv6-config:secondary? empty
  |   |   |   |   +--rw ipv6-config:eui-config /*drop-node-name*/
  |   |   |   |   |   +--rw ipv6-config:eui64? empty /*alt-name:eui-64*/
  |   |   |   |   |   +--rw ipv6-config:eui-secondary? empty /*alt-
  |   |   |   name:secondary*/
  |   |   |   |   +--rw ipv6-config:anycast? empty
  |   |   |   +--rw ipv6-config:mtu? uint32

module: brocade-interface

```

```

+--rw interface
|   +--rw hundredgigabitethernet [name]
|   |   +--rw ipv6
|   |   |   +--rw ipv6-config:ipv6-config /*drop-node-name*/
|   |   |   |   +--rw ipv6-config:address
|   |   |   |   |   +--rw ipv6-config:use-link-local-only? empty
|   |   |   |   |   +--rw ipv6-config:link-local-config /*drop-node-name*/
|   |   |   |   |   |   +--rw ipv6-config:link-local-address? inet:ipv6-address /*drop-
node-name*/
|   |   |   |   |   |   |   +--rw ipv6-config:link-local? empty
|   |   |   |   |   |   |   +--rw ipv6-config:ipv6-address [address] /*drop-node-name*/
|   |   |   |   |   |   |   |   +--rw ipv6-config:address union
|   |   |   |   |   |   |   |   +--rw ipv6-config:secondary? empty
|   |   |   |   |   |   |   |   +--rw ipv6-config:eui-config /*drop-node-name*/
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:eui64? empty /*alt-name:eui-64*/
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:eui-secondary? empty /*alt-
name:secondary*/
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:anycast? empty
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:mtu? uint32

module: brocade-interface
+--rw interface
|   +--rw port-channel [name]
|   |   +--rw ipv6
|   |   |   +--rw ipv6-config:ipv6-config /*drop-node-name*/
|   |   |   |   +--rw ipv6-config:address
|   |   |   |   |   +--rw ipv6-config:use-link-local-only? empty
|   |   |   |   |   +--rw ipv6-config:link-local-config /*drop-node-name*/
|   |   |   |   |   |   +--rw ipv6-config:link-local-address? inet:ipv6-address /*drop-
node-name*/
|   |   |   |   |   |   |   +--rw ipv6-config:link-local? empty
|   |   |   |   |   |   |   +--rw ipv6-config:ipv6-address [address] /*drop-node-name*/
|   |   |   |   |   |   |   |   +--rw ipv6-config:address union
|   |   |   |   |   |   |   |   +--rw ipv6-config:secondary? empty
|   |   |   |   |   |   |   |   +--rw ipv6-config:eui-config /*drop-node-name*/
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:eui64? empty /*alt-name eui-64*/
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:eui-secondary? empty /*alt-name
secondary*/
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:anycast? empty
|   |   |   |   |   |   |   |   |   +--rw ipv6-config:mtu? uint32

module: brocade-intf-loopback
+--rw hide-intf-loopback-holder
+--rw interface
+--rw loopback [id]
|   +--rw ip-config:ip-config
|   |   +--rw ip-config:address [address]
|   |   |   +--rw ip-config:address intf-loopback:intf-loopback-ipv4addr-
type
|   |   |   +--ro ipv6-config:ipv6 /*drop-node-name*/
|   |   |   |   +--ro ipv6-config:ipv6-config
|   |   |   |   |   +--ro ipv6-config:address
|   |   |   |   |   |   +--ro ipv6-config:use-link-local-only? empty
|   |   |   |   |   |   +--ro ipv6-config:link-local-config /*drop-node-name*/
|   |   |   |   |   |   |   +--ro ipv6-config:link-local-address? inet:ipv6-address /
*drop-node-name*/
|   |   |   |   |   |   |   |   +--ro ipv6-config:link-local? empty
|   |   |   |   |   |   |   |   +--ro ipv6-config:ipv6-address [address]
|   |   |   |   |   |   |   |   |   +--ro ipv6-config:address union /*drop-node-name*/
|   |   |   |   |   |   |   |   |   +--ro ipv6-config:eui64? empty /*alt-name:eui-64*/
|   |   |   |   |   |   |   |   |   +--ro ipv6-config:anycast? empty

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id uint32
+--ro brocade-interface:interface
|   +--ro brocade-interface:ve [name]
|   |   +--ro ipv6-config:ipv6
|   |   |   +--ro ipv6-config:ipv6-config /*drop-node-name*/
|   |   |   |   +--ro ipv6-config:address
|   |   |   |   |   +--ro ipv6-config:use-link-local-only? empty
|   |   |   |   |   +--ro ipv6-config:link-local-config /*drop-node-name*/
|   |   |   |   |   |   +--ro ipv6-config:link-local-address? inet:ipv6-address /
*drop-node-name*/

```

```

| | | | | | | +--ro ipv6-config:link-local?          empty
| | | | | | | +--ro ipv6-config:ipv6-address [address] /*drop-node-name*/
| | | | | | | +--ro ipv6-config:address          union
| | | | | | | +--ro ipv6-config:secondary?       empty
| | | | | | | +--ro ipv6-config:eui-config /*drop-node-name*/
| | | | | | | | +--ro ipv6-config:eui64?          empty /*alt-
name:eui-64*/
| | | | | | | | +--ro ipv6-config:eui-secondary?   empty /*alt-
name:secondary*/
| | | | | | | | +--ro ipv6-config:anycast?         empty
| | | | | | | +--ro ipv6-config:mtu?              uint32

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw brocade-interface:interface
| +--rw intf-loopback:loopback [id]
| +--rw ipv6-config:ipv6
| | +--rw ipv6-config:ipv6-config /*drop-node-name*/
| | | +--rw ipv6-config:address
| | | +--rw ipv6-config:use-link-local-only?      empty
| | | +--rw ipv6-config:link-local-config /*drop-node-name*/
| | | | +--rw ipv6-config:link-local-address?    inet:ipv6-address /
*drop-node-name*/
| | | | +--rw ipv6-config:link-local?              empty
| | | +--rw ipv6-config:ipv6-address [address] /*drop-node-name*/
| | | +--rw ipv6-config:address          union
| | | +--rw ipv6-config:eui64?          empty /*alt-name:eui-64*/
| | | +--rw ipv6-config:anycast?        empty

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: Support for interface port-channel.

brocade-ipv6-nd-ra

Provides a data model to manage the Neighbor Discovery (ND) and Router Advertisement (RA) configurations.

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw ipv6
  |   +--rw ipv6-nd-ra:ipv6-global-cmds /*drop-node-name*/
  |   |   +--rw ipv6-nd-ra:nd-global /*alt-name:nd*/
  |   |   +--rw ipv6-nd-ra:dad
  |   |   +--rw ipv6-nd-ra:global-dad-time? common-def:time-interval-sec /
  |   *alt-name:time*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id uint32
  +--ro brocade-interface:interface
  |   +--ro brocade-interface:ve [name]
  |   |   +--ro ipv6-config:ipv6
  |   |   |   +--ro ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
  |   |   |   |   +--ro ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
  |   |   |   |   |   +--ro ipv6-nd-ra:vrrp-suppress-interface-ra? empty
  |   |   |   |   |   +--ro ipv6-nd-ra:nd
  |   |   |   |   |   |   +--ro ipv6-nd-ra:managed-config-flag? empty
  |   |   |   |   |   |   +--ro ipv6-nd-ra:other-config-flag? empty
  |   |   |   |   |   |   +--ro ipv6-nd-ra:broadcast-mac-trap? empty
  |   |   |   |   |   |   +--ro ipv6-nd-ra:ra-lifetime? common-def:time-
  |   |   |   |   |   |   interval-sec
  |   |   |   |   |   |   +--ro ipv6-nd-ra:reachable-time? common-def:time-
  |   |   |   |   |   |   interval-msec
  |   |   |   |   |   |   +--ro ipv6-nd-ra:mtu? uint32
  |   |   |   |   |   |   +--ro ipv6-nd-ra:retrans-timer? common-def:time-
  |   |   |   |   |   |   interval-msec
  |   |   |   |   |   |   +--ro ipv6-nd-ra:hoplimit? uint32
  |   |   |   |   |   |   +--ro ipv6-nd-ra:ns-interval? common-def:time-
  |   |   |   |   |   |   interval-sec
  |   |   |   |   |   |   +--ro ipv6-nd-ra:proxy? empty
  |   |   |   |   |   |   +--ro ipv6-nd-ra:suppress-ra
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:suppress-ra-flag? empty /*drop-node-
  |   |   |   |   |   |   name*/
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:suppress-ra-mtu? empty /*alt-name:mtu*/
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:suppress-ra-all? empty /*alt-name:all*/
  |   |   |   |   |   |   +--ro ipv6-nd-ra:ra-interval
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:max-interval? common-def:time-interval-
  |   |   |   |   |   |   sec /*drop-node-name*/
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:min? common-def:time-interval-
  |   |   |   |   |   |   sec
  |   |   |   |   |   |   +--ro ipv6-nd-ra:dad
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:attempts? uint32
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:time? common-def:time-interval-sec
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:nud
  |   |   |   |   |   |   |   |   +--ro ipv6-nd-ra:retry
  |   |   |   |   |   |   |   |   +--ro ipv6-nd-ra:base? int32 /*drop-node-
  |   |   |   |   |   |   |   name*/
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:interval? common-def:time-
  |   |   |   |   |   |   |   interval-msec /*drop-node-name*/
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:max-attempts? int32 /*drop-node-
  |   |   |   |   |   |   |   name*/
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:cache
  |   |   |   |   |   |   |   |   +--ro ipv6-nd-ra:expire? common-def:time-interval-sec
  |   |   |   |   |   |   |   +--ro ipv6-nd-ra:prefix [prefix-ipv6-address]
  |   |   |   |   |   |   |   |   +--ro ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
  |   |   |   |   |   |   |   |   +--ro ipv6-nd-ra:lifetime /*drop-node-name*/
  |   |   |   |   |   |   |   |   +--ro (ch-valid-type)?
  |   |   |   |   |   |   |   |   |   +--:(ca-no-advertise)
  |   |   |   |   |   |   |   |   |   |   +--ro ipv6-nd-ra:no-advertise? empty
  |   |   |   |   |   |   |   |   |   |   +--:(ca-valid-lifetime)
  |   |   |   |   |   |   |   |   |   |   +--ro ipv6-nd-ra:valid-lifetime? common-

```

```

def:time-interval-sec /*drop-node-name*/
    +---: (ca-valid-infinite)
    +---ro ipv6-nd-ra:valid-infinite? empty /*alt-
name:infinite*/
    +---ro ipv6-nd-ra:preferred /*drop-node-name*/
    +---ro (ch-preferred-type)?
    +---: (ca-preferred-lifetime)
    +---ro ipv6-nd-ra:preferred-lifetime? common-
def:time-interval-sec /*drop-node-name*/
    +---: (ca-preferred-infinite)
    +---ro ipv6-nd-ra:preferred-infinite? empty
    +---ro ipv6-nd-ra:prefix-flags /*drop-node-name*/
    +---ro ipv6-nd-ra:no-autoconfig? empty
    +---ro ipv6-nd-ra:no-onlink? empty
    +---ro ipv6-nd-ra:off-link? empty
    +---ro ipv6-nd-ra:neighbor [ipv6-address]
    +---ro ipv6-nd-ra:ipv6-address neighbor-ipv6-address /
/*drop-node-name*/
    +---ro ipv6-nd-ra:hardware-address? macAddr /*drop-node-
name*/

module: brocade-interface
    +---rw interface
    |   +---rw gigabitethernet [name]
    |   |   +---rw ipv6
    |   |   |   +---rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
    |   |   |   +---rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
    |   |   |   +---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 /*drop-node-name*/
    |   |   |   |   +---rw ipv6-nd-ra:suppress-ra-mtu? empty /*alt-name:mtu*/
    |   |   |   |   +---rw ipv6-nd-ra:suppress-ra-all? empty /*alt-name:all*/
    |   |   |   +---rw ipv6-nd-ra:ra-interval
    |   |   |   |   +---rw ipv6-nd-ra:max-interval? common-def:time-interval-
sec /*drop-node-name*/
    |   |   |   |   +---rw ipv6-nd-ra:min? common-def:time-interval-sec
    |   |   |   |   +---rw ipv6-nd-ra:dad
    |   |   |   |   |   +---rw ipv6-nd-ra:attempts? int32
    |   |   |   |   |   +---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:refresh? empty
    |   |   |   |   +---rw ipv6-nd-ra:prefix [prefix-ipv6-address]
    |   |   |   |   |   +---rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
    |   |   |   +---rw ipv6-nd-ra:neighbor [ipv6-address]
    |   |   |   |   +---rw ipv6-nd-ra:ipv6-address neighbor-ipv6-address /
/*drop-node-name*/
    |   |   |   |   +---rw ipv6-nd-ra:hardware-address? macAddr /*drop-node-name*/

module: brocade-interface
    +---rw interface
    |   +---rw tengigabitethernet [name]
    |   |   +---rw ipv6
    |   |   |   +---rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
    |   |   |   +---rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
    |   |   |   +---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 /*drop-node-name*/
| | | | | | +---rw ipv6-nd-ra:suppress-ra-mtu? empty /*alt-name:mtu*/
| | | | | | +---rw ipv6-nd-ra:suppress-ra-all? empty /*alt-name:all*/
| | | | | +---rw ipv6-nd-ra:ra-interval
| | | | | | +---rw ipv6-nd-ra:max-interval? common-def:time-interval-
sec /*drop-node-name*/ | | | | | +---rw ipv6-nd-ra:min? common-def:time-interval-sec
| | | | | +---rw ipv6-nd-ra:dad
| | | | | | +---rw ipv6-nd-ra:attempts? int32
| | | | | | +---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:refresh? empty
| | | | | +---rw ipv6-nd-ra:prefix [prefix-ipv6-address]
| | | | | | +---rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | +---rw ipv6-nd-ra:neighbor [ipv6-address]
| | | | | +---rw ipv6-nd-ra:ipv6-address neighbor-ipv6-address /
*drop-node-name*/ | | | | | +---rw ipv6-nd-ra:hardware-address? macAddr /*drop-node-name*/

module: brocade-interface
+---rw interface
| +---rw fortygigabitethernet [name]
| | +---rw ipv6
| | | +---rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
| | | | +---rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
| | | | +---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 /*drop-node-name*/
| | | | | | +---rw ipv6-nd-ra:suppress-ra-mtu? empty /*alt-name:mtu*/
| | | | | | +---rw ipv6-nd-ra:suppress-ra-all? empty /*alt-name:all*/
| | | | | +---rw ipv6-nd-ra:ra-interval
| | | | | | +---rw ipv6-nd-ra:max-interval? common-def:time-interval-
sec /*drop-node-name*/ | | | | | +---rw ipv6-nd-ra:min? common-def:time-interval-sec
| | | | | +---rw ipv6-nd-ra:dad
| | | | | | +---rw ipv6-nd-ra:attempts? int32
| | | | | | +---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:refresh? empty
| | | | | +---rw ipv6-nd-ra:prefix [prefix-ipv6-address]
| | | | | | +---rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | +---rw ipv6-nd-ra:neighbor [ipv6-address]
| | | | | +---rw ipv6-nd-ra:ipv6-address neighbor-ipv6-address /
*drop-node-name*/ | | | | | +---rw ipv6-nd-ra:hardware-address? macAddr /*drop-node-name*/

module: brocade-interface
+---rw interface
| +---rw hundredgigabitethernet [name]
| | +---rw ipv6
| | | +---rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/

```

```

| | | | | +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
| | | | | +--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 /*drop-node-name*/
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-mtu? empty /*alt-name:mtu*/
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-all? empty /*alt-name:all*/
| | | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | | +--rw ipv6-nd-ra:ra-max-interval? common-def:time-interval-
sec /*drop-node-name*/
| | | | | | | +--rw ipv6-nd-ra:min? common-def:time-interval-sec
| | | | | | | +--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:prefix [prefix-ipv6-address]
| | | | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | | | | +--rw ipv6-nd-ra:lifetime /*drop-node-name*/
| | | | | | | | | +--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 /*drop-node-name*/
| | | | | | | | | | +---:(ca-valid-infinite)
| | | | | | | | | | | +--rw ipv6-nd-ra:valid-infinite? empty /*alt-
name:infinite*/
| | | | | | | | +--rw ipv6-nd-ra:preferred /*drop-node-name*/
| | | | | | | | | +--rw (ch-preferred-type)?
| | | | | | | | | | +---:(ca-preferred-lifetime)
| | | | | | | | | | | +--rw ipv6-nd-ra:preferred-lifetime? common-
def:time-interval-sec /*drop-node-name*/
| | | | | | | | | | +---:(ca-preferred-infinite)
| | | | | | | | | | | +--rw ipv6-nd-ra:preferred-infinite? empty
| | | | | | | | +--rw ipv6-nd-ra:prefix-flags /*drop-node-name*/
| | | | | | | | | +--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 /
/*drop-node-name*/
| | | | | | | | +--rw ipv6-nd-ra:hardware-address? macAddr /*drop-node-name*/

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw ipv6
| | | +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
| | | | +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
| | | | +--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:proxy? empty
| | | | | +--rw ipv6-nd-ra:suppress-ra
| | | | | | +--rw ipv6-nd-ra:suppress-ra-flag? empty /*drop-node-name*/
| | | | | | +--rw ipv6-nd-ra:suppress-ra-mtu? empty /*alt-name mtu*/
| | | | | | +--rw ipv6-nd-ra:suppress-ra-all? empty /*alt-name all*/
| | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | +--rw ipv6-nd-ra:max-interval? common-def:time-interval-
sec /*drop-node-name*/
| | | | | +--rw ipv6-nd-ra:min? common-def:time-interval-sec
| | | | | +--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:nud
| | | | | | +--rw ipv6-nd-ra:retry
| | | | | | +--rw ipv6-nd-ra:base? int32 /*drop-node-name*/
| | | | | | +--rw ipv6-nd-ra:interval? common-def:time-interval-
msec /*drop-node-name*/
| | | | | +--rw ipv6-nd-ra:max-attempts? int32 /*drop-node-name*/
| | | | | +--rw ipv6-nd-ra:cache
| | | | | | +--rw ipv6-nd-ra:expire? common-def:time-interval-sec
| | | | | +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
| | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | +--rw ipv6-nd-ra:lifetime /*drop-node-name*/
| | | | | | +--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 /*drop-node-name*/
| | | | | | | +--:(ca-valid-infinite)
| | | | | | | +--rw ipv6-nd-ra:valid-infinite? empty /*alt-name
infinite*/
| | | | | +--rw ipv6-nd-ra:preferred /*drop-node-name*/
| | | | | | +--rw (ch-preferred-type)?
| | | | | | | +--:(ca-preferred-lifetime)
| | | | | | | +--rw ipv6-nd-ra:preferred-lifetime? common-
def:time-interval-sec /*drop-node-name*/
| | | | | | | +--:(ca-preferred-infinite)
| | | | | | | +--rw ipv6-nd-ra:preferred-infinite? empty /
*alt-name infinite*/
| | | | | +--rw ipv6-nd-ra:prefix-flags /*drop-node-name*/
| | | | | | +--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 /
*drop-node-name*/
| | | | | | +--rw ipv6-nd-ra:hardware-address? macAddr /*drop-node-name*/

module: brocade-interface
+--rw interface-vlan
| +--rw interface
| | +--rw vlan [name]
| | | +--rw ipv6-nd-ra:suppress-nd
| | | +--rw ipv6-nd-ra:suppress-nd-enable? empty /*drop-node-name*/; /*alt-
name "enable"*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw brocade-interface:interface
| +--rw brocade-interface:ve [name]
| | +--rw ipv6-config:ipv6
| | | +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
| | | | +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
| | | | +--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: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

```

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| | | | | | +--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 /*drop-node-
name*/
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-mtu? empty /*alt-
name:mtu*/
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-all? empty /*alt-
name:all*/
| | | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | | +--rw ipv6-nd-ra:max-interval? common-def:time-interval-
sec /*drop-node-name*/
| | | | | | | +--rw ipv6-nd-ra:min? common-def:time-interval-
sec
| | | | | | +--rw ipv6-nd-ra:dad
| | | | | | | +--rw ipv6-nd-ra:attempts? int32
| | | | | | | +--rw ipv6-nd-ra:time? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:cache
| | | | | | | +--rw ipv6-nd-ra:expire? common-def:time-interval-
minute
| | | | | | | +--rw ipv6-nd-ra:refresh? empty
| | | | | | | +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | | | +--rw ipv6-nd-ra:neighbor [ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:ipv6-address neighbor-ipv6-address /
/*drop-node-name*/
| | | | | | | +--rw ipv6-nd-ra:hardware-address? macAddr /*drop-node-
name*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw brocade-interface:interface
| +--rw intf-loopback:loopback [id]
| +--rw ipv6-config:ipv6
| | +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
| | | +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
| | | +--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: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 /*drop-node-
name*/
| | | | | +--rw ipv6-nd-ra:suppress-ra-mtu? empty /*alt-
name:mtu*/
| | | | | +--rw ipv6-nd-ra:suppress-ra-all? empty /*alt-
name:all*/
| | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | +--rw ipv6-nd-ra:max-interval? common-def:time-interval-
sec /*drop-node-name*/
| | | | | | +--rw ipv6-nd-ra:min? common-def:time-interval-
sec
| | | | | | +--rw ipv6-nd-ra:dad
| | | | | | | +--rw ipv6-nd-ra:attempts? int32
| | | | | | | +--rw ipv6-nd-ra:time? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:cache
| | | | | | | +--rw ipv6-nd-ra:expire? common-def:time-interval-
minute
| | | | | | | +--rw ipv6-nd-ra:refresh? empty
| | | | | | | +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address inet:ipv6-prefix
| | | | | | | +--rw ipv6-nd-ra:neighbor [ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:ipv6-address neighbor-ipv6-address /
/*drop-node-name*/
| | | | | | | +--rw ipv6-nd-ra:hardware-address? macAddr /*drop-node-
name*/

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Support for interface port-channel. • Leaf <i>suppress-nd-enable</i> was added under container <i>suppress-nd</i> in augment to /interface:interface-vlan/interface:interface/interface:vlan.

brocade-ipv6-rtm

Provides a data model to manage IP routes.

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw ipv6
    | +--rw ipv6-route:route
    | +--rw ipv6-route:static-route-nh [static-route-dest static-route-next-
hop] /*drop-node-name*/
    | | +--rw ipv6-route:static-route-dest      inet:ipv6-prefix
    | | +--rw ipv6-route:static-route-next-hop  inet:ipv6-address /*drop-
node-name*/
    | | +--rw ipv6-route:route-attributes /*drop-node-name*/
    | | | +--rw ipv6-route:metric?      uint32 /*drop-node-name*/
    | | | +--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] /*drop-node-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 /*alt-
name:InterfaceNumber*/
    | | | +--rw ipv6-route:route-attributes /*drop-node-name*/
    | | | | +--rw ipv6-route:metric?      uint32 /*drop-node-name*/
    | | | | +--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] /*drop-
node-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 /*alt-
name:linklocalinterface*/
    | | | +--rw ipv6-route:route-attributes /*drop-node-name*/
    | | | | +--rw ipv6-route:metric?      uint32 /*drop-node-name*/
    | | | | +--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] /*drop-node-name*/
    | | | +--rw ipv6-route:static-route-next-vrf-dest      inet:ipv6-prefix
    | | | +--rw ipv6-route:static-route-next-hop-vrf        string
    | | | +--rw ipv6-route:static-route-next-hop            inet:ipv6-address /
    | | *drop-node-name*/
    | | | +--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] /*drop-node-name*/
    | | | +--rw ipv6-route:static-route-next-vrf-dest      inet:ipv6-prefix
    | | | +--rw ipv6-route:next-hop-vrf                    string
    | | | +--rw ipv6-route:link-local-next-hop              inet:ipv6-address /
    | | *drop-node-name*/
    | | | +--rw ipv6-route:link-local-route-oif-type          enumeration
    | | | +--rw ipv6-route:link-local-route-oif-name          string /*alt-
name:linklocalinterface*/
    | | | +--rw ipv6-route:ipv6-static-route-oif-vrf [static-route-next-vrf-dest
next-hop-vrf static-route-oif-type static-route-oif-name] /*drop-node-name*/
    | | | +--rw ipv6-route:static-route-next-vrf-dest      inet:ipv6-prefix
    | | | +--rw ipv6-route:next-hop-vrf                    string
    | | | +--rw ipv6-route:static-route-oif-type            enumeration
    | | | +--rw ipv6-route:static-route-oif-name            string /*alt-
name:InterfaceNumber*/
    | | | +--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] /*drop-node-name*/
    | | | | +--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 /*drop-node-name*/

```

```

| | | | | +---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] /*drop-node-
name*/
| | | | | +---rw ipv6-route:bfd-ipv6-link-local-dest      inet:ipv6-
address
| | | | | +---rw ipv6-route:bfd-ipv6-link-local-src      inet:ipv6-
address /*drop-node-name*/
| | | | | +---rw ipv6-route:bfd-interface-type            enumeration
| | | | | +---rw ipv6-route:bfd-interface-name            string
| | | | | +---rw ipv6-route:bfd-ipv6-interval-attributes /*drop-node-name*/
| | | | | +---rw ipv6-route:interval?      uint16
| | | | | +---rw ipv6-route:min-rx?        uint16
| | | | | +---rw ipv6-route:multiplier?    uint8
| | | | | +---rw ipv6-route:ipv6-holdover-interval?      uint8 /*alt-
name:holdover-interval*/
| | | | | +---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

module: brocade-rbridge
+---rw rbridge-id [rbridge-id]
+---rw vrf:vrf [vrf-name]
+---rw vrf:address-family
| | +---rw vrf:ipv6
| | +---rw vrf:unicast?
| | +---rw ipv6-route:ipv6
| | +---rw ipv6-route:route
| | +---rw ipv6-route:static-route-nh [static-route-dest static-
route-next-hop] /*drop-node-name*/
| | +---rw ipv6-route:static-route-dest      inet:ipv6-prefix
| | +---rw ipv6-route:static-route-next-hop  inet:ipv6-
address /*drop-node-name*/
| | +---rw ipv6-route:route-attributes /*drop-node-name*/
| | +---rw ipv6-route:metric?      uint32 /*drop-node-name*/
| | +---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] /*drop-node-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 /*alt-
name:InterfaceNumber*/
| | +---rw ipv6-route:route-attributes /*drop-node-name*/
| | +---rw ipv6-route:metric?      uint32 /*drop-node-name*/
| | +---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] /*drop-node-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 /
*alt-name:linklocalinterface*/
| | +---rw ipv6-route:route-attributes /*drop-node-name*/
| | +---rw ipv6-route:metric?      uint32 /*drop-node-name*/
| | +---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] /*drop-node-name*/
| | +---rw ipv6-route:static-route-next-vrf-dest      inet:ipv6-
prefix
| | +---rw ipv6-route:next-hop-vrf      string
| | +---rw ipv6-route:static-route-next-hop      inet:ipv6-
address /*drop-node-name*/
| | +---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] /*drop-node-name*/
| | +---rw ipv6-route:static-route-next-vrf-dest      inet:ipv6-
prefix

```

```

|--rw ipv6-route:next-hop-vrf          string
|--rw ipv6-route:link-local-next-hop  inet:ipv6-
address /*drop-node-name*/
|--rw ipv6-route:link-local-route-oif-type  enumeration
|--rw ipv6-route:link-local-route-oif-name  string /
*alt-name:linklocalinterface*/
|--rw ipv6-route:ipv6-static-route-oif-vrf [static-route-
next-vrf-dest next-hop-vrf static-route-oif-type static-route-oif-name] /*drop-node-
name*/
|--rw ipv6-route:static-route-next-vrf-dest  inet:ipv6-
prefix
|--rw ipv6-route:next-hop-vrf              string
|--rw ipv6-route:static-route-oif-type      enumeration
|--rw ipv6-route:static-route-oif-name      string /
*alt-name:InterfaceNumber*/
|--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] /*drop-node-name*/
    +--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 /
*drop-node-name*/
    +--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] /
*drop-node-name*/
    +--rw ipv6-route:bfd-ipv6-link-local-dest
inet:ipv6-address
    +--rw ipv6-route:bfd-ipv6-link-local-src
inet:ipv6-address /*drop-node-name*/
    +--rw ipv6-route:bfd-interface-type
enumeration
    +--rw ipv6-route:bfd-interface-name
string
    +--rw ipv6-route:bfd-ipv6-interval-attributes /
*drop-node-name*/
    +--rw ipv6-route:interval?      uint16
    +--rw ipv6-route:min-rx?        uint16
    +--rw ipv6-route:multiplier?    uint8
+--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

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Container <i>bfd-ipv6-interval-attributes</i> containing leaves <i>interval</i>, <i>min-rx</i>, and <i>multiplier</i> were added in augment to <i>/rbridge:rbridge-id/rbridge:ipv6/rbridge-route:route/ipv6-route:static/ipv6-route:bfd</i>. • Leaf <i>ipv6-holdover-interval</i> was added under grouping <i>bfd-ipv6-holdover-interval-config</i> in augment to <i>/rbridge:rbridge-id/rbridge:ipv6/rbridge-route:route/ipv6-route:static/ipv6-route:bfd</i>. • Leaves <i>bfd-ipv6-static-route-dest</i> and <i>bfd-ipv6-static-route-src</i> were added within list <i>bfd-ipv6-static-route</i> in the augment to <i>/rbridge:rbridge-id/rbridge:ipv6 -> route</i> (container) -> <i>static</i> (container).

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
  +--rw vlag-commit-mode
  |   +--rw disable?         empty
```

External augmentations

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

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

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

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

History

Release version	History
7.0.0	This YANG module was modified to include the following: Container <i>vlag-commit-mode</i> containing leaf <i>disable</i> was added with brocade-lacp module.

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 /*alt-name:active*/
    +--rw activate?        empty
```

RPCs

```
+---x get-port-channel-detail
  | +--ro input
  | | +--ro (request-type)?
  | | | +--:(get-request)
  | | | | +--ro aggregator-id?          interface:portchannel-type
  | | | | +--:(get-next-request)
  | | | | +--ro 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 rbridge-id?            uint32
  | | | | | +--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
  | +--ro input
  | | +--ro interface-type?              enumeration
  | | +--ro 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

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>aggregator-id</i> was added within case <i>get-request</i> and leaf <i>last-aggregator-id</i> was added within case <i>get-next-request</i> under RPC <i>get-port-channel-detail</i>.

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
  +--rw dpod
    +--rw port-id [port-id] /*drop-node-name*/
    +--rw port-id      interface:interface-type /*drop-node-name*/
    +--rw operation?   license-dpod-operation-type /*drop-node-name*/
```

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw brocade-license:license
```

Actions

Install license keys:

```
module: brocade-license
  +--rw license
  |   +--ro add
  |   |   +--ro input
  |   |   |   +--ro (str-file)?
  |   |   |   |   +--:(licStr)
  |   |   |   |   |   +--ro licStr          string
  |   |   |   |   |   +--:(FTP-URL)
  |   |   |   |   |   |   +--ro FTP-URL      string
  |   |   |   |   |   |   +--:(SCP-URL)
  |   |   |   |   |   |   |   +--ro SCP-URL   string
  |   |   |   +--ro rbridge-id?  common-def:rbridge-id-type
```

Uninstall license keys:

```
module: brocade-license
  +--rw license
  |   +--ro remove
  |   |   +--ro input
  |   |   |   +--ro licStr          common-def:feature-type
  |   |   |   +--ro rbridge-id?    common-def:rbridge-id-type
```

Display license ID information:

```
module: brocade-common-def
  +--rw show
  |   +--rw brocade-license:license
  |   |   +--ro brocade-license:id
  |   |   |   +--ro brocade-license:input
  |   |   |   |   +--ro (single-or-all)?
  |   |   |   |   |   +--:(rbridge-id)
  |   |   |   |   |   |   +--ro brocade-license:rbridge-id?  common-def:rbridge-id-all-
  |   |   |   |   |   |   type
  |   |   |   |   |   |   |   +--:(all)
  |   |   |   |   |   |   |   |   +--ro brocade-license:all?          empty
  |   |   |   +--ro brocade-license:output
  |   |   |   |   +--ro brocade-license:licenseid-list [licenseid-rbridge-id]
  |   |   |   |   |   +--ro brocade-license:licenseid-rbridge-id  common-def:rbridge-
  |   |   |   |   |   id-type
  |   |   |   |   |   |   +--ro brocade-license:license-id?      string
```

Display the license key information:

```

module: brocade-common-def
  +--rw show
  |   +--rw brocade-license:enh-show-license-keys /*drop-node-name*/
  |   |   +--ro brocade-license:license
  |   |   |   +--ro brocade-license:input
  |   |   |   |   +--ro (single-or-all)?
  |   |   |   |   +--:(rbridge-id)
  |   |   |   |   +--ro brocade-license:rbridge-id?   common-def:rbridge-id-all-
type  |   |   |   +--:(all)
  |   |   |   |   +--ro brocade-license:all?           empty
  |   |   |   +--ro brocade-license:output
  |   |   |   |   +--ro brocade-license:license-list [license-rbridge-id]
  |   |   |   |   +--ro brocade-license:license-rbridge-id   common-def:rbridge-id-
type  |   |   |   +--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

```

Display Dynamic Ports on Demand (POD) information:

```

module: brocade-common-def
  +--rw show
  |   +--rw brocade-license:enh-show-license-keys /*drop-node-name*/
  |   |   +--ro brocade-license:dpod
  |   |   |   +--ro brocade-license:input
  |   |   |   |   +--ro (single-or-all)?
  |   |   |   |   +--:(rbridge-id)
  |   |   |   |   +--ro brocade-license:rbridge-id?   common-def:rbridge-id-all-
type  |   |   |   +--:(all)
  |   |   |   |   +--ro brocade-license:all?           empty
  |   |   |   +--ro brocade-license:output
  |   |   |   |   +--ro brocade-license:showdpod-list [showdpod-rbridge-id]
  |   |   |   |   +--ro brocade-license:showdpod-rbridge-id   common-def:rbridge-id-
type  |   |   |   +--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

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: Leaf <i>license-vendor-info</i> was added under list <i>license-details</i> within <i>output</i> under container <i>enh-show-license-keys</i>.

brocade-linecard-management

Provides a data model for managing line cards.

Top-level container

```
module: brocade-linecard-management
  +--rw linecardservice /*drop-node-name*/
```

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw linecard-management:global-lc-holder /*drop-node-name*/
  |   +--rw linecard-management:linecard
  |   |   +--rw linecard-management:linecards [linecardName] /*drop-node-name*/
  |   |   +--rw linecard-management:linecardName linecardid
  |   |   +--rw linecard-management:linecardType? enumeration /*drop-node-
  |   |   name*/
  |
  +--rw linecard-management:linecardinfo /*drop-node-name*/
  |   +--rw linecard-management:sfminfo /*drop-node-name*/
  |   +--rw linecard-management:mmminfor /*drop-node-name*/
  |   +--rw linecard-management:slotsinfor /*drop-node-name*/

module: brocade-common-def
  +--rw show
  |   +--rw linecard-management:linecardinfo /*drop-node-name*/
  |   +--rw linecard-management:sfminfo /*drop-node-name*/
  |   +--rw linecard-management:mmminfor /*drop-node-name*/
  |   +--rw linecard-management:slotsinfor /*drop-node-name*/
```

Actions

Display line card information:

```
module: brocade-common-def
  +--rw show
  |   +--rw linecard-management:linecardinfo
  |   |   +--ro linecard-management:linecard
  |   |   +--ro linecard-management:input
  |   |   +--ro linecard-management:rbridge-id? common-def:rbridge-id-type
  |   |   +--ro linecard-management:output
```

Display switch fabric module information:

```
module: brocade-common-def
  +--rw show
  |   +--rw linecard-management:sfminfo /*drop-node-name*/
  |   |   +--ro linecard-management:sfm
  |   |   +--ro linecard-management:input
  |   |   +--ro linecard-management:rbridge-id? common-def:rbridge-id-type
  |   |   +--ro linecard-management:output
```

Display management module information:

```
module: brocade-common-def
  +--rw show
  |   +--rw linecard-management:mmminfor /*drop-node-name*/
  |   |   +--ro linecard-management:mm
  |   |   +--ro linecard-management:input
  |   |   +--ro linecard-management:rbridge-id? common-def:rbridge-id-type
  |   |   +--ro linecard-management:output
```

Display information about all slots:

```
module: brocade-common-def
  +--rw show
  |   +--rw linecard-management:slotsinfor /*drop-node-name*/
  |   |   +--ro linecard-management:slots
  |   |   +--ro linecard-management:input
  |   |   +--ro linecard-management:rbridge-id? common-def:rbridge-id-type
  |   |   +--ro linecard-management:output
```

Power off a line card:

```

module: brocade-linecard-management
  +--rw linecardservice /*drop-node-name*/
    +--ro power-off
      | +--ro input
      |   +--ro (blade-type)?
      |     +--:(linecard)
      |       | +--ro linecard      slotnum
      |       +--:(sfm)
      |         +--ro sfm          sfmnum

```

Power on a line card:

```

module: brocade-linecard-management
  +--rw linecardservice /*drop-node-name*/
    +--ro power-on
      +--ro input
        +--ro (blade-type)?
          +--:(linecard)
            | +--ro linecard      slotnum
            +--:(sfm)
              +--ro sfm          sfmnum

```

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 gigabitethernet [name]
  |   |   +--rw lldp:lldp
  |   |   |   +--rw lldp:dcbx-version?      enumeration
  |   |   |   +--rw lldp:disable?          empty
  |   |   |   +--rw lldp:iscsi-priority?    uint32
  |   |   |   +--rw lldp:profile?          string
  |   +--rw tengigabitethernet [name]
  |   |   +--rw lldp:lldp
  |   |   |   +--rw lldp:dcbx-version?      enumeration
  |   |   |   +--rw lldp:disable?          empty
  |   |   |   +--rw lldp:iscsi-priority?    uint32
  |   |   |   +--rw lldp:profile?          string
  |   +--rw fortygigabitethernet [name]
  |   |   +--rw lldp:lldp
  |   |   |   +--rw lldp:dcbx-version?      enumeration
  |   |   |   +--rw lldp:disable?          empty
  |   |   |   +--rw lldp:iscsi-priority?    uint32
  |   |   |   +--rw lldp:profile?          string
  |   +--rw hundredgigabitethernet [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:multiplier?      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

```
+---x get-lldp-neighbor-detail
+--ro input
| +--ro (request-type)?
| | +--:(get-request)
| | | +--ro interface-type?      enumeration
| | | +--ro interface-name?     union
| | +--:(get-next-request)
| | | +--ro last-rcvd-ifindex?   uint32
| | +--:(get-rbridge-specific)
| | | +--ro rbridge-id?         common-def:rbridge-id-type
+--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 has-more?                  boolean
```

History

Release version	History
7.0.0	This YANG module was modified to include the following: Leaves <i>remote-management-address</i>, <i>remote-unnum-interface-mac</i>, and <i>remote-unnum-ip-address</i> were added under list <i>lldp-neighbor-detail</i> within <i>output</i>.

brocade-logical-chassis

Provides a data model to configure logical chassis principal-priority of an RBridge.

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +---rw brocade-logical-chassis:logical-chassis
      |   +--rw brocade-logical-chassis:principal-priority?   uint32
```



```

| | | +--rw mac-access-list:traffic-type? enumeration /*drop-node-name*/
| | | +--rw hundredgigabitethernet [name]
| | | +--rw mac-access-list:access-group [mac-access-list mac-direction]
| | | +--rw mac-access-list:mac-access-list mac-acl-name /*drop-node-
name*/
| | | +--rw mac-access-list:mac-direction enumeration /*drop-node-name*/
| | | +--rw mac-access-list:traffic-type? enumeration /*drop-node-name*/
| | | +--rw port-channel [name]
| | | +--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 /*drop-node-
name*/
| | | +--rw mac-access-list:mac-direction enumeration /*drop-node-name*/
| | | +--rw mac-access-list:traffic-type? enumeration /*drop-node-name*/
+--rw interface-vlan
| +--rw interface
| | +--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 /*drop-node-
name*/
| | | +--rw mac-access-list:mac-direction enumeration /*drop-node-
name*/
| | | +--rw mac-access-list:traffic-type? enumeration /*drop-node-
name*/

```

RPCs

Return the ingress and egress policies for an interface:

```

+---x get-mac-acl-for-intf
+--ro input
| +--ro interface-type? enumeration
| +--ro interface-name? union
| +--ro 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 [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 learning-mode?          enumeration
|   +--rw aging-time
|   |   +--rw conversational-time-out?  uint32 /*alt-name:conversational*/
|   |   +--rw legacy-time-out?         uint32 /*drop-node-name*/
|   +--rw mac-move
|   |   +--rw mac-move-detect-enable?  empty /*alt-name:detect*/
|   |   +--rw mac-move-limit?         uint32 /*alt-name:limit*/
|   +--rw consistency-check
|   |   +--rw mac-consistency-check-suppress?  empty /*alt-name:suppress*/
|   |   +--rw mac-consistency-check-interval?  uint32 /*alt-name:interval*/
+--rw mac-group [mac-group-id]
|   +--rw mac-group-id              interface:mac-group-id-type
+--rw mac-group-entry [entry-address] /*alt-name:mac*/
|   +--rw entry-address              interface:mac-address-type
```

RPCs

```
+---x get-mac-address-table
+--ro input
|   +--ro (request-type)?
|   |   +--:(get-request)
|   |   |   +--ro mac-address?          yang:mac-address
|   |   +--:(get-next-request)
|   |   |   +--ro last-mac-address-details
|   |   |   |   +--ro last-mac-address?  yang:mac-address
|   |   |   |   +--ro last-vlan-id?     interface:vlan-type
|   |   |   |   +--ro last-mac-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-maps

Provides a data model to manage the Monitoring and Alerting Policy Suite (MAPS) feature.

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw maps:maps
      | +--rw maps:logicalgroup [logicalgroupname]
      | | +--rw maps:logicalgroupname string
      | | +--rw maps:elementtype? enumeration /*alt-name "type"*/
      | | +--rw maps:members? maps-interface-range-cli-pattern
      | +--rw maps:rule [rulename]
      | | +--rw maps:rulename string
      | | +--rw maps:targetgroup? string /*alt-name "group"*/
      | | +--rw maps:monitor? enumeration
      | | +--rw maps:timebase? enumeration /*alt-name "interval"*/
      | | +--rw maps:op? enumeration
      | | +--rw maps:threshold? string /*alt-name "value"*/
      | +--rw maps:policy [policyname]
      | | +--rw maps:policyname string
      | | +--rw maps:ruleaction [policyrule] /*alt-name "rule"*/
      | | | +--rw maps:policyrule string
      | | | +--rw maps:policyaction? rule-maps-action-type /*alt-name "actions"*/
      | +--rw maps:email
      | | +--rw maps:email-list [email] /*drop-node-name*/
      | | +--rw maps:email string
      | +--rw maps:relay [hostip]
      | | +--rw maps:hostip inet:host
      | | +--rw maps:domainname string

module: brocade-interface
  +--rw interface
    | +--rw gigabitethernet [name]
    | | +--rw maps:connectivity /*drop-node-name*/
    | | | +--rw maps:deviceconnectivity? enumeration
    | +--rw tengigabitethernet [name]
    | | +--rw maps:connectivity /*drop-node-name*/
    | | | +--rw maps:deviceconnectivity? enumeration
    | +--rw fortygigabitethernet [name]
    | | +--rw maps:connectivity /*drop-node-name*/
    | | | +--rw maps:deviceconnectivity? enumeration
    | +--rw hundredgigabitethernet [name]
    | | +--rw maps:connectivity /*drop-node-name*/
    | | | +--rw maps:deviceconnectivity? enumeration

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: - Leaves <i>logicalgroupname</i>, <i>elementtype</i>, and <i>members</i> were added within list <i>logicalgroup</i> under container <i>maps</i> in augment to <i>/rbridge:rbridge-id</i>. - Leaves <i>rulename</i>, <i>targetgroup</i>, <i>monitor</i>, <i>timebase</i>, <i>op</i>, and <i>threshold</i> were added within list <i>rule</i> under container <i>maps</i> in augment to <i>/rbridge:rbridge-id</i>. - Leaves <i>policyname</i> and list <i>ruleaction</i> containing leaves <i>policyrule</i> and <i>policyaction</i> were added within list <i>policy</i> under container <i>maps</i> in augment to <i>/rbridge:rbridge-id</i>.

brocade-maps-ext

Provides a data model to show the system monitor.

RPCs

```
+---x maps-get-all-policy
| +--ro input
| | +--ro rbridge-id?   common-def:rbridge-id-all-type
| +--ro output
|   +--ro policy
|     +--ro policyname?  string
+---x maps-get-default-rules
+--ro input
| +--ro rbridge-id?   common-def:rbridge-id-all-type
+--ro output
  +--ro rules
    +--ro rbridgeid?   common-def:rbridge-id-type
    +--ro rulename?    string
    +--ro groupname?   string
    +--ro monitor?     string
    +--ro op?          string
    +--ro value?       string
    +--ro action?      string
    +--ro timebase?    string
    +--ro policyname?  string
```

History

Release version	History
6.0.1	This YANG module was introduced.
7.0.0	This YANG module was modified to include the following: • RPC <i>maps-get-rules</i> was changed to RPC <i>maps-get-default-rules</i>.

brocade-mld-snooping

Provides a data model to manage the Multicast Listener Discovery (MLD) snooping.

Top-level container

```
module: brocade-mld-snooping
  +--rw mld-snooping /*drop-node-name*/
    +--rw ipv6
      +--rw pim
        | +--rw snooping
        |   +--rw pimv6-enable?    empty /*alt-name enable*/
      +--rw mld
        +--rw snooping
          +--rw enable?    empty
```

External augmentations

```
module: brocade-interface
  +--rw interface-vlan
    | +--rw interface
    |   +--rw vlan [name]
    |     | +--rw ipv6
    |       | +--rw mld-snooping:mldPIM
    |       | | +--rw mld-snooping:snooping
    |       | |   +--rw mld-snooping:vlan-pimv6-enable?    empty /*alt-name enable*/
    |       | +--rw mld-snooping:mldVlan /*alt-name:mld*/
    |       |   +--rw mld-snooping:last-member-query-interval?    lmqc-type
    |       |   +--rw mld-snooping:last-member-query-count?      lmqc-type
    |       |   +--rw mld-snooping:startup-query-interval?       sqi-type
    |       |   +--rw mld-snooping:startup-query-count?         sqc-type
    |       |   +--rw mld-snooping:query-max-response-time?     qmrt-type
    |       |   +--rw mld-snooping:query-interval?              qi-type
    |       | +--rw mld-snooping:snooping
    |       |   +--rw mld-snooping:enable?                      empty
    |       |   +--rw mld-snooping:fast-leave?                  empty
    |       |   +--rw mld-snooping:restrict-unknown-multicast-vlan?    empty /
    |       *alt-name:restrict-unknown-multicast*/
    |       |   +--rw mld-snooping:robustness-variable?          rob-type
    |       |   +--rw mld-snooping:querier
    |       |   | +--rw mld-snooping:genable?    empty /*alt-name:enable*/
    |       |   +--rw mld-snooping:mrouter
    |       |     +--rw mld-snooping:interface [if-type value]
    |       |     | +--rw mld-snooping:if-type    enumeration
    |       |     | +--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
```

```
module: brocade-interface
  +--rw interface
    | +--rw gigabitethernet [name]
    | | +--rw ipv6
    | | | +--rw mld-snooping:ipv6-phy-intf-cmds /*drop-node-name*/
    | | | +--rw mld-snooping:hop-by-hop-trap?    empty
```

```
module: brocade-interface
  +--rw interface
    | +--rw tengigabitethernet [name]
    | | +--rw ipv6
    | | | +--rw mld-snooping:ipv6-phy-intf-cmds /*drop-node-name*/
    | | | +--rw mld-snooping:hop-by-hop-trap?    empty
```

```
module: brocade-interface
  +--rw interface
```

```

|   +---rw fortygigabitethernet [name]
|   |   +---rw ipv6
|   |   |   +---rw mld-snooping:ipv6-phy-intf-cmds /*drop-node-name*/
|   |   |   |   +---rw mld-snooping:hop-by-hop-trap?    empty

module: brocade-interface
+---rw interface
|   +---rw hundredgigabitethernet [name]
|   |   +---rw ipv6
|   |   |   +---rw mld-snooping:ipv6-phy-intf-cmds /*drop-node-name*/
|   |   |   |   +---rw mld-snooping:hop-by-hop-trap?    empty

module: brocade-rbridge
+---rw rbridge-id [rbridge-id]
|   +---rw rbridge-id                                uint32
|   +---ro brocade-interface:interface
|   |   +---ro brocade-interface:ve [name]
|   |   |   +---ro ipv6-config:ipv6
|   |   |   |   +---ro mld-snooping:ipv6-ve-intf-cmds /*drop-node-name*/
|   |   |   |   |   +---ro mld-snooping:hop-by-hop-trap?    empty

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>vlan-pimv6-enable</i> was added under container <i>snooping</i> within container <i>mldPIM</i> in augment to <i>/interface:interface-vlan/interface:interface/interface:vlan/interface:ipv6</i>. • Container <i>pim</i> was added under container <i>mld-snooping</i>. • Container <i>snooping</i> containing leaf <i>pimv6-enable</i> was added under container <i>pim</i>.

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.

External augmentations

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

RPCs

```
+---x get-nameserver-detail
  +---ro input
  |   +---ro rbridge-id?   common-def:rbridge-id-type
  +---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
```

Actions

Display detailed name server information:

```
module: brocade-common-def
  +---rw show
  |   +---rw name-server:name-server
  |   |   +---ro name-server:detail
  |   |   |   +---ro name-server:input
```

```

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

```

Display brief name server information:

```

module: brocade-common-def
+--rw show
| +--rw name-server:name-server
| | +--ro name-server:brief
| | | +--ro name-server:input
| | | +--ro name-server:rbridge-id?    common-def:rbridge-id-type

```

Display nodes matching a specified WWN or PID:

```

module: brocade-common-def
+--rw show
| +--rw name-server:name-server
| | +--ro name-server:nodefind
| | | +--ro name-server:input
| | | +--ro (pid-or-wwn)?
| | | +--: (wwn)
| | | | +--ro name-server:wwn    common-def:wwn-type
| | | +--: (pid)
| | | +--ro name-server:pid    nameserver-fcid-hexstring-type

```

Display all nodes zoned with a device matching a specified WWN or PID:

```

module: brocade-common-def
+--rw show
| +--rw name-server:name-server
| | +--ro name-server:zonemember
| | | +--ro name-server:input
| | | +--ro (pid-or-wwn)?
| | | +--: (wwn)
| | | | +--ro name-server:wwn    common-def:wwn-type
| | | +--: (pid)
| | | +--ro name-server:pid    nameserver-fcid-hexstring-type

```

brocade-netconf-ext

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

RPCs

```

+---x get-netconf-client-capabilities
+--ro input
|   +---ro 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-notification-stream

Provides interface for NETCONF notifications.

Notifications

```

+---n BGPSessionState
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro BGPPeerIpAddress?     inet:ip-address
| | +--ro BGPPeerState?        enumeration
+---n BGPNeighborPrefixExceeded
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro BGPNeighborIpAddress? inet:ip-address
| | +--ro neighborPrefixLimit?  uint32
+---n RIBSystemRouteLimitExceeded
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro RIBRouteLimit?        uint32
+---n RIBNextHopLimitExceeded
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro RIBNextHopLimit?      uint32
+---n VxLANTunnelState
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro TunnelDestinationIpAddress? inet:ip-address
| | +--ro TunnelState?          enumeration
+---n OSPFNeighborState
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro OSPFNeighborIpAddress? inet:ip-address
| | +--ro NeighborState?        enumeration
+---n VRRPNewMaster
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro NewMasterIpAddress?   inet:ip-address
| | +--ro VRRPSessionId?        uint32
+---n RIBVRRFRouteLimitExceeded
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string
| | +--ro switchIPv6Address?    string
| | +--ro VRRFName?             string
| | +--ro RIBVRRFRouteLimit?    uint32
+---n ARPLimitExceeded
| +--ro originator-switch-info
| | +--ro switchIdentifier?      uint32
| | +--ro switchVcsId?         uint32
| | +--ro switchIPv4Address?    string

```

```
| | +--ro switchIPv6Address?  string
| +--ro ARPLimit?            uint32
+---n NDLimitExceeded
+--ro originator-switch-info
| +--ro switchIdentifier?    uint32
| +--ro switchVcsId?        uint32
| +--ro switchIPv4Address?  string
| +--ro switchIPv6Address?  string
+--ro NDLimit?              uint32
```

History

Release version	History
7.0.0	This Yang Module was introduced.

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 use-vrf]
      | +--rw ip          inet:ip-address
      | +--rw key?       uint32
      | +--rw use-vrf    common-def:vrf-name
    +--rw authentication-key [keyid]
      | +--rw keyid      uint32
      | +--rw (encryption-type)
      | | +--:(md5-type)
      | | | +--rw md5?          string
      | | +--:(sha1-type)
      | | | +--rw sha1?         string
      | | +--rw sha1?         string
      | +--rw encryption-level? enumeration
    +--rw source-ip?      srcip_type
```

RPCs

Return address of the active NTP server:

```
+---x show-ntp
  +--ro input
    | +--ro rbridge-id?  common-def:rbridge-id-all-type
  +--ro output
    +--ro node-active-server
      +--ro rbridge-id-out?  common-def:rbridge-id-type
      +--ro (ip4-6-or-local)?
        +--:(ip4-6)
        | +--ro active-server?  inet:ip-address
        +--:(local)
          +--ro LOCL?          boolean
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>md5</i> within <i>case md5-type</i> and leaf <i>sha1</i> within <i>case sha1-type</i> were added under <i>choice encryption-type</i> within container <i>ntp</i>. • Leaf <i>source-ip</i> was added within container <i>ntp</i>.
7.0.0	This YANG module was modified to include the following: • Key of list <i>server</i> under container <i>ntp</i> changed from <i>ip</i> to <i>ip use-vrf</i>. • Leaf <i>use-vrf</i> was added under list <i>server</i> within container <i>ntp</i>.

brocade-openflow

Provides a data model for OpenFlow.

Top-level container

```
module: brocade-openflow
  +--rw openflow-controller [controller-name]
    +--rw controller-name          openflow-controller-name-type
    +--rw connection-address
      +--rw controller-address?    inet:ip-address /*alt-name:"address"*/
      +--rw connection-method?    enumeration /*alt-name:"method"*/
      +--rw connection-port?      uint32 /*alt-name:"port"*/
      +--rw active-controller-vrf? common-def:vrf-name /*alt-name "use-vrf"*/
```

External augmentations

```
module: brocade-interface
  +--rw interface
    | +--rw gigabitethernet [name]
    | | +--rw openflow:openflow-interface-cfg
    | | | +--rw openflow:logical-instance-id? instance-id-type
    | | | +--rw openflow:openflow-enable /*drop-node-name*/
    | | | +--rw openflow:enable?        empty
    | | | +--rw openflow:match-profile?  enumeration /*drop-node-name*/
```

```
module: brocade-interface
  +--rw interface
    | +--rw tengigabitethernet [name]
    | | +--rw openflow:openflow-interface-cfg
    | | | +--rw openflow:logical-instance-id? instance-id-type
    | | | +--rw openflow:openflow-enable /*drop-node-name*/
    | | | +--rw openflow:enable?        empty
    | | | +--rw openflow:match-profile?  enumeration /*drop-node-name*/
```

```
module: brocade-interface
  +--rw interface
    | +--rw fortygigabitethernet [name]
    | | +--rw openflow:openflow-interface-cfg
    | | | +--rw openflow:logical-instance-id? instance-id-type
    | | | +--rw openflow:openflow-enable /*drop-node-name*/
    | | | +--rw openflow:enable?        empty
    | | | +--rw openflow:match-profile?  enumeration /*drop-node-name*/
```

```
module: brocade-interface
  +--rw interface
    | +--rw hundredgigabitethernet [name]
    | | +--rw openflow:openflow-interface-cfg
    | | | +--rw openflow:logical-instance-id? instance-id-type
    | | | +--rw openflow:openflow-enable /*drop-node-name*/
    | | | +--rw openflow:enable?        empty
    | | | +--rw openflow:match-profile?  enumeration /*drop-node-name*/
```

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw openflow:openflow
      | +--rw openflow:logical-instance [instance-id]
      | | +--rw openflow:instance-id          uint32
      | | +--rw openflow:version [version-name]
      | | | +--rw openflow:version-name      enumeration
      | | +--rw openflow:controller [controller-name]
      | | | +--rw openflow:controller-name    openflow-controller-name-type
      | +--rw openflow:passive
      | | +--rw openflow:no-ssl
      | | +--rw openflow:passive-controller-flag? empty /*drop-node-
name*/
      | | +--rw openflow:passive-controller-ip-address? inet:ip-address /
```

```

*alt-name:"ip-address"*/
|      |      |      +--rw openflow:passive-controller-port?      uint32 /*alt-
name:"port"*/
|      |      |      +--rw openflow:passive-controller-vrf?      common-def:vrf-
name /*alt-name "use-vrf"*/
|      |      |      +--rw openflow:default-forwarding-action?  enumeration
|      |      |      +--rw openflow:activate?                    empty

```

History

Release version	History
6.0.1	This YANG module was introduced.
7.0.0	This YANG module was modified to include the following: • Leaf <i>active-controller-vrf</i> was added under container <i>connection-address</i>. • Leaf <i>passive-controller-vrf</i> was added within <i>openflow</i> (container) -> <i>logical-instance</i> (list) -> <i>passive</i> (container) -> <i>no-ssl</i> (container) in augment to <i>/rbridge:rbridge-id</i>.

brocade-ospf

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

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw router
      +--rw ospf:ospf [vrf]
        +--rw ospf:vrf
          +--rw ospf:database-overflow-interval? string
          +--rw ospf:default-information-originate? common-def:time-interval-sec
          +--rw ospf:always? empty
          +--rw ospf:def-orig-metric? uint32 /*alt-name "metric"*/
          +--rw ospf:def-orig-metric-type? metric-type /*alt-name "metric-
type"*/
          +--rw ospf:def-orig-route-map? string /*alt-name "route-map"*/
          +--rw ospf:default-passive-interface? empty
          +--rw ospf:default-metric? uint32
          +--rw ospf:external-lsdb-limit? uint32
          +--rw ospf:log
            +--rw ospf:adjacency?
              +--rw ospf:dr-only? empty
              +--rw ospf:log-all? empty /*alt-name "all"*/
              +--rw ospf:bad-packet?
                +--rw ospf:log-checksum? empty
                +--rw ospf:log-database? empty /*alt-name "database"*/
                +--rw ospf:log-retransmit? empty /*alt-name "retransmit"*/
          +--rw ospf:ospf-metric-type? metric-type /*alt-name
"metric-type"*/
          +--rw ospf:neighbor [neighbor-addr]
            +--rw ospf:neighbor-addr ospf-ipv4-address /*drop-node-name*/
          +--rw ospf:redistribute
            +--rw ospf:connected?
              +--rw ospf:connected-route-map? common-def:name-string63 /*alt-
name "route-map"*/
              +--rw ospf:static?
                +--rw ospf:static-route-map? common-def:name-string63 /*alt-name
"route-map"*/
              +--rw ospf:bgp?
                +--rw ospf:bgp-route-map? common-def:name-string63 /*alt-name
"route-map"*/
              +--rw ospf:redistribute-ospf? /*alt-name "ospf"*/
                +--rw ospf:ospf-route-map? common-def:name-string63 /*alt-name
"route-map"*/
          +--rw ospf:rfc1583-compatibility?
            +--rw ospf:rfc1583-compatibility-flag? empty /*drop-node-name*/
          +--rw ospf:area [area-id]
            +--rw ospf:area-id ospf-area-id
            +--rw ospf:normal? empty /*drop-node-name*/
            +--rw ospf:nssa
              +--rw ospf:metric /*drop-node-name*/
              +--rw ospf:nssa-value? big-metric /*drop-node-name*/
              +--rw ospf:nssa-no-summary? empty /*alt-name "no-summary"*/
              +--rw ospf:default-information-originate? 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 /*drop-node-name*/
                +--rw ospf:range-cost? range-metric /*alt-name "cost"*/
              +--rw ospf:stub
                +--rw ospf:metric /*drop-node-name*/
                +--rw ospf:stub-value? big-metric /*drop-node-name*/
                +--rw ospf:no-summary? empty
              +--rw ospf:prefix-list
                +--rw ospf:direction-in /*drop-node-name*/
                +--rw ospf:prefix-list-direction-in-prefix-name? ipv4-prefix-
name-t /*drop-node-name*/; /*alt-name "prefix-list"*/
                +--rw ospf:prefix-list-direction-in? empty /*alt-
name "in"*/
                +--rw ospf:direction-out /*drop-node-name*/
                +--rw ospf:prefix-list-direction-out-prefix-name? ipv4-prefix-

```

```

name-t /*drop-node-name*/; /*alt-name "prefix-list"*/
| | | | | +--rw ospf:prefix-list-direction-out? empty /*alt-
name "out"*/ | | | | | +--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 /*drop-node-name*/
| | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string /
*drop-node-name*/ | | | | | +--rw ospf:auth-key-table /*drop-node-name*/
| | | | | | +--rw ospf:encrypttype? key-type /*drop-node-name*/
| | | | | | +--rw ospf:auth-key? ospf-auth-psswd-string /*drop-node-
name*/ | | | | | +--rw ospf:dead-interval? common-def:time-interval-sec
| | | | | +--rw ospf:hello-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 /*drop-node-name*/
| | | | | | +--rw ospf:no-encrypt-key-id? uint32 /*alt-name "key-id"*/
| | | | | | +--rw ospf:no-encrypt-key? ospf-auth-psswd-string /*alt-
name "key"*/ | | | | | +--rw ospf:key-table /*drop-node-name*/
| | | | | | +--rw ospf:key-id? uint32 /*drop-node-
name*/ | | | | | +--rw ospf:key? key-type
| | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string /
*drop-node-name*/ | | | | | +--rw ospf:auto-cost
| | | | | | +--rw ospf:reference-bandwidth
| | | | | | | +--rw ospf:ref-bandwidth? band-width /*drop-node-name*/
| | | | | | | +--rw ospf:use-active-ports? empty
| | | | | | +--rw ospf:distance [route-type]
| | | | | | | +--rw ospf:route-type route-type-enum /*drop-node-name*/
| | | | | | | +--rw ospf:dist-value uint32 /*drop-node-name*/
| | | | | | +--rw ospf:distribute-list
| | | | | | | +--rw ospf:route-map
| | | | | | | +--rw ospf:route-map? common-def:name-string63 /*drop-node-
name*/ | | | | | +--rw ospf:direction-in? empty /*alt-name in*/
| | | | | +--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 /*drop-node-name*/
| | | | | | | +--rw ospf:summary-lsa?
| | | | | | | | +--rw ospf:summary-lsa-val? uint32 /*drop-node-name*/
| | | | | | +--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 /*drop-node-name*/
| | | | | | | +--rw ospf:wait-for-bgp? empty
| | | | | | | +--rw ospf:all-lsas-onstartup? empty /*alt-name:all-lsas*/
| | | | | | | +--rw ospf:external-lsa-onstartup? /*alt-name:external-lsa*/
| | | | | | | | +--rw ospf:external-lsa-val-onstartup? uint32 /*drop-node-
name*/ | | | | | | +--rw ospf:summary-lsa-onstartup? /*alt-name:"summary-lsa"*/
| | | | | | | +--rw ospf:summary-lsa-val-onstartup? uint32 /*drop-node-
name*/ | | | | | | +--rw ospf:link-onstartup /*alt-name:"link"*/
| | | | | | | +--rw ospf:all-link-onstartup? empty /*alt-name:"all"*/
| | | | | | | +--rw ospf:ptp-link-onstartup? empty /*alt-name:"ptp"*/
| | | | | | | +--rw ospf:stub-link-onstartup? empty /*alt-
name:"stub"*/ | | | | | | +--rw ospf:transit-link-onstartup? empty /*alt-
name:"transit"*/ | | | | | | +--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 /*drop-
node-name*/
| | | +---rw ospf:hold-time?      common-def:time-interval-msec /*drop-
node-name*/
| | | +---rw ospf:max-hold-time?   common-def:time-interval-msec /*drop-
node-name*/
| | | +---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 /*drop-node-name*/
| | | | +---rw ospf:set-metric-val? uint32 /*alt-name:"set-metric"*/
| | | | +---rw ospf:match-metric-val? uint32 /*alt-name:"match-metric"*/
| | | +---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 /*alt-name:"set-metric"*/
| | | | +---rw ospf:match-metric-val? uint32 /*alt-name:"match-metric"*/
| | | +---rw ospf:vrf-lite-capability? empty
| | | +---rw ospf:graceful-restart
| | | | +---rw ospf:graceful-restart-enable? empty /*drop-node-name*/
| | | | +---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 /*alt-name:"bfd"*/
| | | | +---rw ospf:bfd-enable?      empty /*drop-node-name*/
| | | | +---rw ospf:holdover-interval? uint8

module: brocade-rbridge
+---rw rbridge-id [rbridge-id]
+---rw rbridge-id                               uint32
+---ro brocade-interface:interface
| +---ro brocade-interface:ve [name]
| | +---ro ip-config:ip
| | | +---ro ospf:interface-vlan-ospf-conf /*drop-node-name*/
| | | | +---ro ospf:ospf-interface-config /*alt-name:"ospf"*/
| | | | +---ro ospf:area?                ospf-area-id
| | | | +---ro ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | +---ro ospf:authentication-key
| | | | | +---ro ospf:no-encrypt-auth-key-table /*drop-node-name*/
| | | | | | +---ro ospf:no-encrypt-auth-key?   ospf-auth-psswd-string /
*drop-node-name*/
| | | | | | +---ro ospf:auth-key-table /*drop-node-name*/
| | | | | | | +---ro ospf:encrypttype?      key-type /*drop-node-name*/
| | | | | | | +---ro ospf:auth-key?        ospf-auth-psswd-string /*drop-
node-name*/
| | | | +---ro ospf:dead-interval?        common-def:time-interval-sec
| | | | +---ro ospf:hello-interval?      common-def:time-interval-sec
| | | | +---ro ospf:retransmit-interval?  common-def:time-interval-sec
| | | | +---ro ospf:transmit-delay?      common-def:time-interval-sec
| | | | +---ro ospf:md5-authentication
| | | | | +---ro ospf:key-activation-wait-time? common-def:time-
interval-sec
| | | | | +---ro ospf:no-encrypt-key-table /*drop-node-name*/
| | | | | | +---ro ospf:no-encrypt-key-id?   uint32 /*alt-name:"keyid"*/
| | | | | | +---ro ospf:no-encrypt-key?     ospf-auth-psswd-string /
*alt-name:"key"*/
| | | | | | +---ro ospf:key-table /*drop-node-name*/; /*alt-name:"key-id"*/
name*/
| | | | | | | +---ro ospf:key-id?          uint32 /*drop-node-
name*/
| | | | | | | +---ro ospf:key?            key-type
| | | | | | | +---ro ospf:md5-authentication-key? ospf-auth-psswd-
string /*drop-node-name*/
| | | | +---ro ospf:cost?                uint32
| | | | +---ro ospf:database-filter
| | | | | +---ro ospf:all-out?            empty /*drop-node-name*/
| | | | | +---ro ospf:all-external?      database-filter-options /
*drop-node-name*/
| | | | | +---ro ospf:all-summary-external? database-filter-options /
*drop-node-name*/
| | | | +---ro ospf:mtu-ignore?          empty

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| | | | | +---ro ospf:network? enumeration
| | | | | +---ro ospf:active? empty
| | | | | +---ro ospf:passive? empty
| | | | | +---ro ospf:priority? uint32
| | | | | +---ro ospf:bfd
| | | | | +---ro ospf:intf-bfd-enable? empty /*drop-node-name*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id uint32
+--ro brocade-interface:interface
| +--ro intf-loopback:loopback [id]
| | +--ro ospf:interface-loopback-ospf-conf /*drop-node-name*/
| | | +---ro ospf:ospf-interface-config /*alt-name:"ospf"*/
| | | | +---ro ospf:area? ospf-area-id
| | | | +---ro ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | +---ro ospf:authentication-key
| | | | | +---ro ospf:no-encrypt-auth-key-table /*drop-node-name*/
| | | | | | +---ro ospf:no-encrypt-auth-key? ospf-auth-psswd-string /
| | | | | *drop-node-name*/
| | | | | | +---ro ospf:auth-key-table /*drop-node-name*/
| | | | | | | +---ro ospf:encrypttype? key-type /*drop-node-name*/
| | | | | | | +---ro ospf:auth-key? ospf-auth-psswd-string /*drop-
node-name*/
| | | | | +---ro ospf:dead-interval? common-def:time-interval-sec
| | | | | +---ro ospf:hello-interval? common-def:time-interval-sec
| | | | | +---ro ospf:retransmit-interval? common-def:time-interval-sec
| | | | | +---ro ospf:transmit-delay? common-def:time-interval-sec
| | | | | +---ro ospf:md5-authentication
| | | | | | +---ro ospf:key-activation-wait-time? common-def:time-
interval-sec
| | | | | | +---ro ospf:no-encrypt-key-table /*drop-node-name*/
| | | | | | | +---ro ospf:no-encrypt-key-id? uint32 /*alt-
name:"keyid"*/
| | | | | | | +---ro ospf:no-encrypt-key? ospf-auth-psswd-string /
| | | | | | | *alt-name:"key"*/
| | | | | | | +---ro ospf:key-table /*drop-node-name*/; /*alt-name:"keyid"*/
| | | | | | | +---ro ospf:key-id? uint32 /*drop-node-
name*/
| | | | | | | +---ro ospf:key? key-type
| | | | | | | +---ro ospf:md5-authentication-key? ospf-auth-psswd-
string /*drop-node-name*/
| | | | | +---ro ospf:cost? uint32
| | | | | +---ro ospf:database-filter
| | | | | | +---ro ospf:all-out? empty /*drop-node-name*/
| | | | | | +---ro ospf:all-external? database-filter-options /
| | | | | *drop-node-name*/
| | | | | | +---ro ospf:all-summary-external? database-filter-options /
| | | | | *drop-node-name*/
| | | | | +---ro ospf:mtu-ignore? empty
| | | | | +---ro ospf:network? enumeration
| | | | | +---ro ospf:active? empty
| | | | | +---ro ospf:passive? empty
| | | | | +---ro ospf:priority? uint32
| | | | | +---ro ospf:bfd
| | | | | +---ro ospf:intf-bfd-enable? empty /*drop-node-name*/

module: brocade-interface
+--rw interface
| +--rw fortygigabitethernet [name]
| | +--rw ip
| | | +---ro ospf:interface-fo-ospf-conf /*drop-node-name*/
| | | | +---ro ospf:ospf-interface-config /*alt-name:"ospf"*/
| | | | | +---ro ospf:area? ospf-area-id
| | | | | +---ro ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | | +---ro ospf:authentication-key
| | | | | | +---ro ospf:no-encrypt-auth-key-table /*drop-node-name*/
| | | | | | | +---ro ospf:no-encrypt-auth-key? ospf-auth-psswd-string /
| | | | | | *drop-node-name*/
| | | | | | | +---ro ospf:auth-key-table /*drop-node-name*/
| | | | | | | | +---ro ospf:encrypttype? key-type /*drop-node-name*/
| | | | | | | | +---ro ospf:auth-key? ospf-auth-psswd-string /*drop-node-
name*/
| | | | | +---ro ospf:dead-interval? common-def:time-interval-sec
| | | | | +---ro ospf:hello-interval? common-def:time-interval-sec
| | | | | +---ro ospf:retransmit-interval? common-def:time-interval-sec

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| | | | | +--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 /*drop-node-name*/
| | | | | | | +--rw ospf:no-encrypt-key-id?    uint32 /*alt-name:"key-id"*/
name:"key"*/ | | +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string /*alt-
| | | | | | +--rw ospf:key-table /*drop-node-name*/; /*alt-name:"key-id"*/
| | | | | | | +--rw ospf:key-id?              uint32 /*drop-node-name*/
| | | | | | | +--rw ospf:key?                key-type
| | | | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string /
*drop-node-name*/
| | | | | +--rw ospf:cost?                    uint32
| | | | | +--rw ospf:database-filter
| | | | | | +--rw ospf:all-out?                empty /*drop-node-name*/
| | | | | | +--rw ospf:all-external?          database-filter-options /
*drop-node-name*/
| | | | | | +--rw ospf:all-summary-external?  database-filter-options /
*drop-node-name*/
| | | | | +--rw ospf:mtu-ignore?              empty
| | | | | +--rw ospf:network?                 enumeration
| | | | | +--rw ospf:active?                  empty
| | | | | +--rw ospf:passive?                 empty
| | | | | +--rw ospf:priority?                uint32
| | | | | +--rw ospf:bfd
| | | | | | +--rw ospf:intf-bfd-enable?      empty /*drop-node-name*/

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw ip
| | | +--rw ospf:interface-fo-ospf-conf /*drop-node-name*/
| | | +--rw ospf:ospf-interface-config /*alt-name:"ospf"*/
| | | +--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 /*drop-node-name*/
| | | | | +--rw ospf:no-encrypt-auth-key?   ospf-auth-psswd-string /
*drop-node-name*/
| | | | +--rw ospf:auth-key-table /*drop-node-name*/
| | | | | +--rw ospf:encrypttype?          key-type /*drop-node-name*/
| | | | | +--rw ospf:auth-key?            ospf-auth-psswd-string /*drop-node-
name*/
| | | +--rw ospf:dead-interval?            common-def:time-interval-sec
| | | +--rw ospf:hello-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 /*drop-node-name*/
| | | | | +--rw ospf:no-encrypt-key-id?    uint32 /*alt-name:"key-id"*/
name:"key"*/ | | | | +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string /*alt-
| | | | | +--rw ospf:key-table /*drop-node-name*/; /*alt-name:"key-id"*/
| | | | | | +--rw ospf:key-id?              uint32 /*drop-node-name*/
| | | | | | +--rw ospf:key?                key-type
| | | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string /
*drop-node-name*/
| | | | +--rw ospf:cost?                    uint32
| | | | +--rw ospf:database-filter
| | | | | +--rw ospf:all-out?                empty /*drop-node-name*/
| | | | | +--rw ospf:all-external?          database-filter-options /
*drop-node-name*/
| | | | | +--rw ospf:all-summary-external?  database-filter-options /
*drop-node-name*/
| | | | +--rw ospf:mtu-ignore?              empty
| | | | +--rw ospf:network?                 enumeration
| | | | +--rw ospf:active?                  empty
| | | | +--rw ospf:passive?                 empty
| | | | +--rw ospf:priority?                uint32
| | | | +--rw ospf:bfd
| | | | | +--rw ospf:intf-bfd-enable?      empty /*drop-node-name*/

module: brocade-interface

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```

+--rw interface
|   +--rw tengigabitethernet [name]
|   |   +--rw ip
|   |   |   +--rw ospf:interface-te-ospf-conf /*drop-node-name*/
|   |   |   |   +--rw ospf:ospf-interface-config /*alt-name:"ospf"*/
|   |   |   |   |   +--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 /*drop-node-name*/
|   |   |   |   |   |   |   +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string /
|   |   |   |   |   |   |   *drop-node-name*/
|   |   |   |   |   |   |   |   +--rw ospf:auth-key-table /*drop-node-name*/
|   |   |   |   |   |   |   |   |   +--rw ospf:encrypttype? key-type /*drop-node-name*/
|   |   |   |   |   |   |   |   |   +--rw ospf:auth-key? ospf-auth-psswd-string /*drop-node-
|   |   |   |   |   |   |   |   |   name*/
|   |   |   |   |   |   |   |   |   +--rw ospf:dead-interval? common-def:time-interval-sec
|   |   |   |   |   |   |   |   |   +--rw ospf:hello-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 /*drop-node-name*/
|   |   |   |   |   |   |   |   |   |   |   +--rw ospf:no-encrypt-key-id? uint32 /*alt-name:"key-id"*/
|   |   |   |   |   |   |   |   |   |   |   +--rw ospf:no-encrypt-key? ospf-auth-psswd-string /*alt-
|   |   |   |   |   |   |   |   |   |   |   name:"key"*/
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:key-table /*drop-node-name*/; /*alt-name:"key-id"*/
|   |   |   |   |   |   |   |   |   |   |   |   |   uint32 /*drop-node-
|   |   |   |   |   |   |   |   |   |   |   |   name*/
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:key? key-type
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:md5-authentication-key? ospf-auth-psswd-string /
|   |   |   |   |   |   |   |   |   |   |   |   *drop-node-name*/
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:cost? uint32
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:database-filter
|   |   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:all-out? empty /*drop-node-name*/
|   |   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:all-external? database-filter-options /
|   |   |   |   |   |   |   |   |   |   |   |   *drop-node-name*/
|   |   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:all-summary-external? database-filter-options /
|   |   |   |   |   |   |   |   |   |   |   |   *drop-node-name*/
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:mtu-ignore? empty
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:network? enumeration
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:active? empty
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:passive? empty
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:priority? uint32
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:bfd
|   |   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:intf-bfd-enable? empty /*drop-node-name*/

module: brocade-interface
+--rw interface
|   +--rw gigabitethernet [name]
|   |   +--rw ip
|   |   |   +--rw ospf:interface-gi-ospf-conf /*drop-node-name*/
|   |   |   |   +--rw ospf:ospf-interface-config /*alt-name:"ospf"*/
|   |   |   |   |   +--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 /*drop-node-name*/
|   |   |   |   |   |   |   +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string /
|   |   |   |   |   |   |   *drop-node-name*/
|   |   |   |   |   |   |   |   +--rw ospf:auth-key-table /*drop-node-name*/
|   |   |   |   |   |   |   |   |   +--rw ospf:encrypttype? key-type /*drop-node-name*/
|   |   |   |   |   |   |   |   |   +--rw ospf:auth-key? ospf-auth-psswd-string /*drop-node-
|   |   |   |   |   |   |   |   |   name*/
|   |   |   |   |   |   |   |   |   +--rw ospf:dead-interval? common-def:time-interval-sec
|   |   |   |   |   |   |   |   |   +--rw ospf:hello-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 /*drop-node-name*/
|   |   |   |   |   |   |   |   |   |   |   +--rw ospf:no-encrypt-key-id? uint32 /*alt-name:"key-id"*/
|   |   |   |   |   |   |   |   |   |   |   +--rw ospf:no-encrypt-key? ospf-auth-psswd-string /*alt-
|   |   |   |   |   |   |   |   |   |   |   name:"key"*/
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:key-table /*drop-node-name*/; /*alt-name:"key-id"*/
|   |   |   |   |   |   |   |   |   |   |   |   +--rw ospf:key-id? uint32 /*drop-node-
|   |   |   |   |   |   |   |   |   |   |   |   name*/

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| | | | | +---rw ospf:key? key-type
| | | | | +---rw ospf:md5-authentication-key? ospf-auth-psswd-string /
*drop-node-name*/
| | | | | +---rw ospf:cost? uint32
| | | | | +---rw ospf:database-filter
| | | | | | +---rw ospf:all-out? empty /*drop-node-name*/
| | | | | | +---rw ospf:all-external? database-filter-options /
*drop-node-name*/
| | | | | | +---rw ospf:all-summary-external? database-filter-options /
*drop-node-name*/
| | | | | +---rw ospf:mtu-ignore? empty
| | | | | +---rw ospf:network? enumeration
| | | | | +---rw ospf:active? empty
| | | | | +---rw ospf:passive? empty
| | | | | +---rw ospf:priority? uint32
| | | | | +---rw ospf:bfd
| | | | | +---rw ospf:intf-bfd-enable? empty /*drop-node-name*/

module: brocade-interface
+---rw interface
| +---rw port-channel [name]
| | +---rw ip
| | | +---rw ospf:interface-PO-ospf-conf /*drop-node-name*/
| | | +---rw ospf:ospf-interface-config /*alt-name "ospf"*/
| | | +---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 /*drop-node-name*/
| | | | | +---rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string /
*drop-node-name*/
| | | | +---rw ospf:auth-key-table /*drop-node-name*/
| | | | | +---rw ospf:encrypttype? key-type /*drop-node-name*/
| | | | | +---rw ospf:auth-key? ospf-auth-psswd-string /*drop-node-
name*/
| | | +---rw ospf:dead-interval? common-def:time-interval-sec
| | | +---rw ospf:hello-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 /*drop-node-name*/
| | | | +---rw ospf:no-encrypt-key-id? uint32 /*alt-name "key-id"*/
| | | | +---rw ospf:no-encrypt-key? ospf-auth-psswd-string /*alt-
name "key"*/
| | | +---rw ospf:key-table /*drop-node-name*/; /*alt-name "key-id"*/
| | | | +---rw ospf:key-id? uint32 /*drop-node-name*/
| | | | +---rw ospf:key? key-type
| | | | +---rw ospf:md5-authentication-key? ospf-auth-psswd-string /
*drop-node-name*/
| | | +---rw ospf:cost? uint32
| | | +---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:network? enumeration
| | | +---rw ospf:active? empty
| | | +---rw ospf:passive? empty
| | | +---rw ospf:priority? uint32
| | | +---rw ospf:bfd
| | | | +---rw ospf:intf-bfd-enable? empty /*drop-node-name*/

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Container <i>nssa-translator</i> was removed from <i>global-ospf</i> grouping from within the augment to <i>/rbridge:rbridge-id/rbridge:router</i>. • Container <i>global-bfd</i> containing leaves <i>bfd-enable</i> and <i>holdover-interval</i> were added within list <i>ospf</i> in the augment to <i>/rbridge:rbridge-id/rbridge:router</i>. • Container <i>bfd</i> containing leaf <i>intf-bfd-enable</i> was added within container <i>ospf1</i> in the augment to <i>/rbridge:rbridge-id/interface:interface/interface:ve/ip-config:ip</i>. • Container <i>bfd</i> containing leaf <i>intf-bfd-enable</i> was added within container <i>ospf1</i> in the augment to <i>/rbridge:rbridge-id/interface:interface/intf-loopback:loopback/ip-config:ip</i>. • Container <i>bfd</i> containing leaf <i>intf-bfd-enable</i> was added within container <i>ospf1</i> in the augment to <i>/interface:interface/interface:fortygigabitethernet/interface:ip</i>. • Container <i>bfd</i> containing leaf <i>intf-bfd-enable</i> was added within container <i>ospf1</i> in the augment to <i>/interface:interface/interface:hundredgigabitethernet/interface:ip</i>. • Container <i>bfd</i> containing leaf <i>intf-bfd-enable</i> was added within container <i>ospf1</i> in the augment to <i>/interface:interface/interface:tengigabitethernet/interface:ip</i>.
6.0.1a	This YANG module was modified to include the following: • Container <i>ospf1</i> renamed to container <i>ospf-interface-config</i> in augment to the following: - <i>/interface:interface/interface:gigabitethernet/interface:ip</i> - <i>/interface:interface/interface:tengigabitethernet/interface:ip</i> - <i>/interface:interface/interface:fortygigabitethernet/interface:ip</i> - <i>/interface:interface/interface:hundredgigabitethernet/interface:ip</i> • Leaf <i>no-summary1?</i> under container <i>metric</i> within container <i>nssa</i> renamed to <i>nssa-no-summary</i>.
7.0.0	This YANG module was modified to include the following: • Support for interface port-channel

External augmentations

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| | | | | +---: (ca-ah-algorithm)
| | | | | | +---rw ospfv3:ah? algorithm-
type-ah | | | | | | +---rw ospfv3:ah-no-encrypt? empty /*alt-
name:"no-encrypt"*/ | | | | | | +---rw ospfv3:ah-key? ipsec-
authentication-hexkey-string /*alt-name:"key"*/ | | | | | | +---: (ca-esp-algorithm)
| | | | | | +---rw ospfv3:esp? algorithm-
type-esp | | | | | | +---rw ospfv3:esp-no-encrypt? empty /*alt-
name:"no-encrypt"*/ | | | | | | +---rw ospfv3:esp-key? ipsec-
authentication-hexkey-string /*alt-name:"key"*/ | | | | | | +---rw ospfv3:esp-auth? algorithm-
type-ah /*drop-node-name*/ | | | | | | +---rw ospfv3:esp-auth-no-encrypt? empty /*alt-
name:"no-encrypt"*/ | | | | | | +---rw ospfv3:esp-auth-key? ipsec-
authentication-hexkey-string /*alt-name:"key"*/
| | | | | +---rw ospfv3:area-range [range-address] /*alt-name:"range"*/
| | | | | +---rw ospfv3:range-address common-def:ipv6-address-prefix
| | | | | +---rw ospfv3:range-effect? enumeration /*drop-node-name*/
| | | | | +---rw ospfv3:range-cost? ospf:range-metric /*alt-
name:"cost"*/
| | | | | +---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? /*alt-
name:"default-information-originate"*/
| | | | | +---rw ospfv3:global-default-information-originate-always?
empty /*alt-name:"always"*/
| | | | | +---rw ospfv3:global-default-information-originate-metric?
uint32 /*alt-name:"metric"*/
| | | | | +---rw ospfv3:global-default-information-originate-metric-type?
ospf:metric-type /*alt-name:"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 /*drop-node-
name*/
| | | | | +---rw ospfv3:distance-value? uint32 /*drop-node-name*/
| | | | | +---rw ospfv3:distribute-list
| | | | | +---rw ospfv3:route-map
| | | | | +---rw ospfv3:distribute-list-route-map-name? common-def:name-
string63 /*drop-node-name*/
| | | | | +---rw ospfv3:distribute-list-route-map-in? empty /*alt-
name:"in"*/
| | | | | +---rw ospfv3:prefix-list
| | | | | +---rw ospfv3:distribute-list-prefix-list-name? common-
def:name-string63 /*drop-node-name*/
| | | | | +---rw ospfv3:distribute-list-prefix-list-in? empty /*alt-
name:"in"*/
| | | | | +---rw ospfv3:external-lsdb-limit? uint32
| | | | | +---rw ospfv3:graceful-restart
| | | | | +---rw ospfv3:helper
| | | | | +---rw ospfv3:graceful-restart-helper-disable?
empty /*alt-name:"disable"*/
| | | | | +---rw ospfv3:graceful-restart-helper-strict-lsa-checking?
empty /*alt-name:"strict-lsa-checking"*/
| | | | | +---rw ospfv3:log-status-change? empty
| | | | | +---rw ospfv3:log
| | | | | +---rw ospfv3:log-adjacency? /*alt-name:"adjacency"*/
| | | | | +---rw ospfv3:log-adjacency-dr-only? empty /*alt-name:"dr-
only"*/
| | | | | +---rw ospfv3:log-all? empty /*alt-name:"all"*/
| | | | | +---rw ospfv3:log-bad-packet? /*alt-name:"bad-packet"*/
| | | | | +---rw ospfv3:log-bad-packet-checksum? empty /*alt-
name:"checksum"*/
| | | | | +---rw ospfv3:log-database? empty /*alt-name:"database"*/
| | | | | +---rw ospfv3:log-retransmit? empty /*alt-name:"retransmit"*/
| | | | | +---rw ospfv3:global-metric-type? ospf:metric-
type /*alt-name:"metric-type"*/
| | | | | +---rw ospfv3:redistribute
| | | | | +---rw ospfv3:redistribute-connected? /*alt-name:"connected"*/
| | | | | +---rw ospfv3:connected-route-map? common-
def:name-string63 /*alt-name:"route-map"*/

```

```

name: "metric" */
+---rw ospfv3: redistribute-connected-metric?      uint32 /*alt-
type /*alt-name: "metric-type" */
+---rw ospfv3: redistribute-connected-metric-type?  ospf:metric-
+---rw ospfv3: redistribute-static? /*alt-name: "static" */
string63 /*alt-name: "route-map" */
+---rw ospfv3: redistribute-static-metric?          uint32 /*alt-
name: "metric" */
+---rw ospfv3: redistribute-static-metric-type?     ospf:metric-
type /*alt-name: "metric-type" */
+---rw ospfv3: redistribute-bgp? /*alt-name: "bgp" */
+---rw ospfv3: bgp-route-map?                      common-def: name-
string63 /*alt-name: "route-map" */
+---rw ospfv3: redistribute-bgp-metric?             uint32 /*alt-
name: "metric" */
+---rw ospfv3: redistribute-bgp-metric-type?        ospf:metric-type /
*alt-name: "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 /
*drop-node-name */
+---rw ospfv3: spf-hold-time?                      common-def: time-interval-sec /
*drop-node-name */
+---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 /*drop-node-name */
+---rw ospfv3: summary-lsa?
+---rw ospfv3: summary-lsa-value?                 uint32 /*drop-node-name */
+---rw ospfv3: include-stub?                      empty
+---rw ospfv3: on-startup
+---rw ospfv3: on-startup-time?                    uint32 /*drop-node-name */
+---rw ospfv3: wait-for-bgp?                      empty
+---rw ospfv3: bfd
+---rw ospfv3: bfd-enable?                        empty /*drop-node-name */
+---rw ospfv3: bfd-holdover-interval?              common-def: time-interval-sec /
*alt-name: "holdover-interval" */

module: brocade-interface
+---rw interface
+---rw gigabitethernet [name]
+---rw ipv6
+---rw ospfv3: interface-ospfv3-conf /*alt-name: "ospf" */
+---rw ospfv3: interface-area?          ospf: ospf-area-id /*alt-name: "area" */
+---rw ospfv3: active?                  empty
+---rw ospfv3: passive?                 empty
+---rw ospfv3: bfd
+---rw ospfv3: bfd-enable?              empty /*drop-node-name */
+---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 /*drop-node-name */
+---rw ospfv3: spi?                    spi-value-type
+---rw (ch-algorithm)?
+---: (ca-ah-algorithm)
+---rw ospfv3: ah?                      algorithm-type-ah
+---rw ospfv3: ah-no-encrypt?          empty /*alt-name: "no-
encrypt" */
+---rw ospfv3: ah-key?                  ipsec-authentication-
hexkey-string /*alt-name: "key" */
+---: (ca-esp-algorithm)
+---rw ospfv3: esp?                    algorithm-type-esp
+---rw ospfv3: esp-no-encrypt?        empty /*alt-name: "no-
encrypt" */
+---rw ospfv3: esp-key?                ipsec-authentication-
hexkey-string /*alt-name: "key" */

```

```

+--rw ospfv3:esp-auth? algorithm-type-ah /
*drop-node-name*/
+--rw ospfv3:esp-auth-no-encrypt? empty /*alt-name:"no-
encrypt"*/
+--rw ospfv3:esp-auth-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
+--rw ospfv3:ipsec
+--rw ospfv3:ipsec-authentication-disable? empty /*alt-
name:"disable"*/
+--rw ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec /*alt-name:"key-add-remove-interval"*/
+--rw ospfv3:link-properties /*drop-node-name*/
+--rw ospfv3:link-interval-properties /*drop-node-name*/
+--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

module: brocade-interface
+--rw interface
| +--rw tengigabitethernet [name]
| | +--rw ipv6
| | | +--rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
| | | +--rw ospfv3:interface-area? ospf:ospf-area-id /*alt-name:"area"*/
| | | +--rw ospfv3:active? empty
| | | +--rw ospfv3:passive? empty
| | | +--rw ospfv3:bfd
| | | | +--rw ospfv3:bfd-enable? empty /*drop-node-name*/
| | | +--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 /*drop-node-name*/
| | | | +--rw ospfv3:spi? spi-value-type
| | | | +--rw (ch-algorithm)?
| | | | | +--:(ca-ah-algorithm)
| | | | | | +--rw ospfv3:ah? algorithm-type-ah
| | | | | | +--rw ospfv3:ah-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | +--rw ospfv3:ah-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
| | | | | +--:(ca-esp-algorithm)
| | | | | +--rw ospfv3:esp? algorithm-type-esp
| | | | | +--rw ospfv3:esp-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | +--rw ospfv3:esp-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
| | | | +--rw ospfv3:esp-auth? algorithm-type-ah /
| | | | *drop-node-name*/
| | | | +--rw ospfv3:esp-auth-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | +--rw ospfv3:esp-auth-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
| | | | +--rw ospfv3:ipsec
| | | | +--rw ospfv3:ipsec-authentication-disable? empty /*alt-
name:"disable"*/
| | | | +--rw ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec /*alt-name:"key-add-remove-interval"*/
| | | | +--rw ospfv3:link-properties /*drop-node-name*/
| | | | +--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

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| | | | | +--rw ospfv3:active? empty
| | | | | +--rw ospfv3:passive? empty
| | | | | +--rw ospfv3:bfd
| | | | | | +--rw ospfv3:bfd-enable? empty /*drop-node-name*/
| | | | | +--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 /*drop-node-name*/
| | | | | | | +--rw ospfv3:spi? spi-value-type
| | | | | | | +--rw (ch-algorithm)?
| | | | | | | | +--:(ca-ah-algorithm)
| | | | | | | | +--rw ospfv3:ah? algorithm-type-ah
| | | | | | | | +--rw ospfv3:ah-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | | | | +--rw ospfv3:ah-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
| | | | | | | | +--:(ca-esp-algorithm)
| | | | | | | | +--rw ospfv3:esp? algorithm-type-esp
| | | | | | | | +--rw ospfv3:esp-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | | | | +--rw ospfv3:esp-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
| | | | | | | +--rw ospfv3:esp-auth? algorithm-type-ah /
/*drop-node-name*/
| | | | | | | +--rw ospfv3:esp-auth-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | | | | +--rw ospfv3:esp-auth-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
| | | | | | | +--rw ospfv3:ipsec
| | | | | | | +--rw ospfv3:ipsec-authentication-disable? empty /*alt-
name:"disable"*/
| | | | | | | +--rw ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec /*alt-name:"key-add-remove-interval"*/
| | | | | | | +--rw ospfv3:link-properties /*drop-node-name*/
| | | | | | | +--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

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw ipv6
| | | +--rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
| | | | +--rw ospfv3:interface-area? ospf:ospf-area-id /*alt-name:"area"*/
| | | | +--rw ospfv3:active? empty
| | | | +--rw ospfv3:passive? empty
| | | | +--rw ospfv3:bfd
| | | | | +--rw ospfv3:bfd-enable? empty /*drop-node-name*/
| | | | +--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 /*drop-node-name*/
| | | | | | +--rw ospfv3:spi? spi-value-type
| | | | | | +--rw (ch-algorithm)?
| | | | | | | +--:(ca-ah-algorithm)
| | | | | | | +--rw ospfv3:ah? algorithm-type-ah
| | | | | | | +--rw ospfv3:ah-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | | | | +--rw ospfv3:ah-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/
| | | | | | | | +--:(ca-esp-algorithm)
| | | | | | | | +--rw ospfv3:esp? algorithm-type-esp
| | | | | | | | +--rw ospfv3:esp-no-encrypt? empty /*alt-name:"no-
encrypt"*/
| | | | | | | +--rw ospfv3:esp-key? ipsec-authentication-
hexkey-string /*alt-name:"key"*/

```

```

+---rw ospfv3:esp-auth?                                algorithm-type-ah /
*drop-node-name*/
+---rw ospfv3:esp-auth-no-encrypt?                       empty /*alt-name:"no-
encrypt"*/
+---rw ospfv3:esp-auth-key?                               ipsec-authentication-
hexkey-string /*alt-name:"key"*/
+---rw ospfv3:ipsec
+---rw ospfv3:ipsec-authentication-disable?             empty /*alt-
name:"disable"*/
+---rw ospfv3:ifc-key-add-remove-interval?               common-def:time-
interval-sec /*alt-name:"key-add-remove-interval"*/
+---rw ospfv3:link-properties /*drop-node-name*/
+---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

module: brocade-interface
+---rw interface
+---rw port-channel [name]
+---rw ipv6
+---rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
+---rw ospfv3:interface-area?                             ospf:ospf-area-id /*alt-
name:"area"*/
+---rw ospfv3:active?                                     empty
+---rw ospfv3:passive?                                    empty
+---rw ospfv3:bfd
+---rw ospfv3:bfd-enable?                               empty /*drop-node-name*/
+---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 /*drop-node-name*/
+---rw ospfv3:spi?                                       spi-value-type
+---rw (ch-algorithm)?
+---:(ca-ah-algorithm)
+---rw ospfv3:ah?                                         algorithm-type-ah
+---rw ospfv3:ah-no-encrypt?                             empty /*alt-name:"no-
encrypt"*/
+---rw ospfv3:ah-key?                                     ipsec-authentication-
hexkey-string /*alt-name:"key"*/
+---:(ca-esp-algorithm)
+---rw ospfv3:esp?                                         algorithm-type-esp
+---rw ospfv3:esp-no-encrypt?                             empty /*alt-name:"no-
encrypt"*/
+---rw ospfv3:esp-key?                                     ipsec-authentication-
hexkey-string /*alt-name:"key"*/
+---rw ospfv3:esp-auth?                                   algorithm-type-ah /
*drop-node-name*/
+---rw ospfv3:esp-auth-no-encrypt?                       empty /*alt-name:"no-
encrypt"*/
+---rw ospfv3:esp-auth-key?                               ipsec-authentication-
hexkey-string /*alt-name:"key"*/
+---rw ospfv3:ipsec
+---rw ospfv3:ipsec-authentication-disable?             empty /*alt-
name:"disable"*/
+---rw ospfv3:ifc-key-add-remove-interval?               common-def:time-
interval-sec /*alt-name:"key-add-remove-interval"*/
+---rw ospfv3:link-interval-properties /*drop-node-name*/
+---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

```

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id                               uint32
  +--ro brocade-interface:interface
  | +--ro brocade-interface:ve [name]
  | | +--ro ipv6-config:ipv6
```

```

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

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id uint32
+--ro brocade-interface:interface
| +--ro intf-loopback:loopback [id]
| +--ro ipv6-config:ipv6
| +--ro ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
| | +--ro ospfv3:interface-area? ospf:ospf-area-id /*alt-
name:"area"*/
| | | +--ro ospfv3:active? empty
| | | +--ro ospfv3:passive? empty
| | | +--ro ospfv3:bfd
| | | | +--ro ospfv3:bfd-enable? empty
| | | | +--ro ospfv3:cost? uint32
| | | | +--ro ospfv3:instance? uint32
| | | | +--ro ospfv3:mtu-ignore? empty
| | | | +--ro ospfv3:network? enumeration
| | | | +--ro ospfv3:priority? uint32
| | | | +--ro ospfv3:suppress-linklsa? empty
| | | | +--ro ospfv3:authentication
| | | | | +--ro ospfv3:ipsec-auth-key-config /*drop-node-name*/
| | | | | | +--ro ospfv3:spi? spi-value-type
| | | | | | +--ro (ch-algorithm)?
| | | | | | | +--:(ca-ah-algorithm)
| | | | | | | +--ro ospfv3:ah? algorithm-type-ah
| | | | | | | +--ro ospfv3:ah-no-encrypt? empty /*alt-
name:"no-encrypt"*/
| | | | | | +--ro ospfv3:ah-key? ipsec-
authentication-hexkey-string /*alt-name:"key"*/
| | | | | | | +--:(ca-esp-algorithm)
| | | | | | | +--ro ospfv3:esp? algorithm-type-esp

```

```

name: "no-encrypt" */
|
| authentication-hexkey-string /*alt-name: "key" */
|
| *drop-node-name */
|
| name: "no-encrypt" */
|
| authentication-hexkey-string /*alt-name: "key" */
|
|
| +--ro ospfv3:ipsec
| +--ro ospfv3:ipsec-authentication-disable? empty /*alt-
name: "disable" */
|
| +--ro ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec /*alt-name: "key-add-remove-interval" */
|
| +--ro ospfv3:link-interval-properties /*drop-node-name */
|
| +--ro ospfv3:hello-interval? common-def:time-interval-sec
|
| +--ro ospfv3:dead-interval? common-def:time-interval-sec
|
| +--ro ospfv3:hello-jitter? uint32
|
| +--ro ospfv3:retransmit-interval? common-def:time-interval-sec
|
| +--ro ospfv3:transmit-delay? common-def:time-interval-sec

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Container <i>log</i> containing the following attributes were added within container <i>redistribute</i>: - Container <i>log-adjacency</i> containing leaf <i>log-adjacency-dr-only</i>. - Leaf <i>log-all</i>. - Container <i>log-bad-packet</i> containing leaf <i>log-bad-packet-checksum</i>. - Leaf <i>log-database</i>. - Leaf <i>log-retransmit</i>. - Container <i>bfd</i> containing leaves <i>bfd-enable</i> and <i>bfd-holdover-interval</i> were added in the augment to <i>/rbridge:rbridge-id/rbridge:ipv6/rbridge:router</i>. - Container <i>bfd</i> containing leaf <i>bfd-enable</i> was added within container <i>interface-ospfv3-conf</i> in the augment to <i>/interface:interface/interface:gigabitethernet/interface:ipv6</i>. - Container <i>bfd</i> containing leaf <i>bfd-enable</i> was added within container <i>interface-ospfv3-conf</i> in the augment to <i>/interface:interface/interface:tengigabitethernet/interface:ipv6</i>. - Container <i>bfd</i> containing leaf <i>bfd-enable</i> was added within container <i>interface-ospfv3-conf</i> in the augment to <i>/interface:interface/interface:fortygigabitethernet/interface:ipv6</i>. - Container <i>bfd</i> containing leaf <i>bfd-enable</i> was added within container <i>interface-ospfv3-conf</i> in the augment to <i>/interface:interface/interface:hundredgigabitethernet/interface:ipv6</i>. - Container <i>bfd</i> containing leaf <i>bfd-enable</i> was added within container <i>interface-ospfv3-conf</i> in the augment to <i>/rbridge:rbridge-id/interface:interface:ve/ipv6-config:ipv6</i>.
7.0.0	This YANG module was modified to include the following: Support for interface port-channel.

brocade-pim

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

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw router
  |   +--rw pim:hide-pim-holder
  |   |   +--rw pim:pim?
  |   |   |   +--rw pim:reset-tracking-bit?    empty
  |   |   |   +--rw pim:max-mcache?            uint32
  |   |   |   +--rw pim:hello-interval?        int16
  |   |   |   +--rw pim:nbr-timeout?           int16
  |   |   |   +--rw pim:inactivity-timer?      int16
  |   |   |   +--rw pim:message-interval?      uint32
  |   |   |   +--rw pim:bsr-msg-interval?      uint32
  |   |   |   +--rw pim:rp-adv-interval?       uint32
  |   |   |   +--rw pim:spt-threshold?        spt-thr-type
  |   |   +--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      string
  |   |   |   |   +--rw pim:hash-mask-length?    uint16
  |   |   |   |   +--rw pim:bsr-cand-priority?   uint32
  |   |   +--rw pim:rp-address [rp-ip-addr]
  |   |   |   +--rw pim:rp-ip-addr      inet:ipv4-address
  |   |   +--rw pim:prefix-list?      ip-prefix-name-t

```

```

module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   |   +--rw ip
  |   |   |   +--rw pim:pim-intf-phy-cont /*drop-node-name*/
  |   |   |   |   +--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:multicast-boundary? empty

```

```

module: brocade-interface
  +--rw interface
  |   +--rw fortygigabitethernet [name]
  |   |   +--rw ip
  |   |   |   +--rw pim:pim-intf-phy-cont /*drop-node-name*/
  |   |   |   |   +--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:multicast-boundary? empty

```

```

module: brocade-interface
  +--rw interface
  |   +--rw fortygigabitethernet [name]
  |   |   +--rw ip
  |   |   |   +--rw pim:pim-intf-phy-cont /*drop-node-name*/
  |   |   |   |   +--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:multicast-boundary? empty

```

```

module: brocade-interface
  +--rw interface
  |   +--rw hundredgigabitethernet [name]

```

```

| | | +--rw ip
| | |   +--rw pim:pim-intf-phy-cont /*drop-node-name*/
| | |   +--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:multicast-boundary? empty
| | |
module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw rbridge-id                               uint32
+--ro brocade-interface:interface
| +--ro brocade-interface:ve [name]
| | +--ro ip-config:ip
| | | +--ro pim:pim-intf-vlan-cont /*drop-node-name*/
| | | +--ro pim:pim-int-cmd
| | | +--ro pim:pim-sparse?          empty
| | | +--ro pim:pim
| | | | +--ro pim:neighbor-filter?  ip-prefix-name-t
| | | | +--ro pim:dr-priority?      uint32
| | | +--ro pim:mcast-bdry-prefix-list? ip-prefix-name-t /*alt-name
multicast-boundary*/
module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw ip
| | | +--rw pim:pim-intf-po-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:mcast-bdry-prefix-list? ip-prefix-name-t

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Leaf <i>prefix-list</i> was added under list <i>rp-address</i> in the augment to / <i>rbridge:rbridge-id/rbridge:router</i>. - Leaf <i>tll-threshold</i> was removed and leaf <i>neighbor-filter</i> was added under container <i>pim</i>.
7.0.0	This YANG module was modified to include the following: - Support for interface port-channel. - Leaves <i>reset-tracking-bit</i>, <i>bsr-msg-interval</i>, and <i>rp-adv-interval</i> were added within container <i>pim</i>.

brocade-policer

Provides a data model for the Modular QoS CLI (MQC).

The module provides container nodes to define and manage the following MQC entities:

- A class map that classifies traffic according to traffic properties that you configure with MQC parameters.
- A police priority map that remaps frame Class of Service (CoS) values (802.1p priority bits in a VLAN tag) to conform color or exceed color values when rates conform or exceed limits set in a classification map.
- A policy map is used to define a set of QoS actions to be take on the traffic when the traffic matches the classification criteria defined in the class map.
- A service policy node used to bind a policy map to an interface.

Top-level container

```

module: brocade-policer
  +--rw police-priority-map [name]
  |   +--rw name          map-name-type
  |   +--rw conform
  |   |   +--rw map-pri0-conform?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri1-conform?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri2-conform?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri3-conform?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri4-conform?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri5-conform?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri6-conform?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri7-conform?    priority-value /*drop-node-name*/
  |   +--rw exceed
  |   |   +--rw map-pri0-exceed?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri1-exceed?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri2-exceed?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri3-exceed?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri4-exceed?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri5-exceed?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri6-exceed?    priority-value /*drop-node-name*/
  |   |   +--rw map-pri7-exceed?    priority-value /*drop-node-name*/
  +--rw class-map [name]
  |   +--rw name          map-name-type
  |   +--rw match
  |   |   +--rw access-group
  |   |   |   +--rw access-group-name?    mac-ip-acl-name /*drop-node-name*/
  +--rw policy-map [po-name]
  |   +--rw po-name      map-name-type
  |   +--rw class [cl-name]
  |   |   +--rw cl-name          map-name-type
  |   |   +--rw police
  |   |   |   +--rw cir?          uint64
  |   |   |   +--rw cbs?          uint64
  |   |   |   +--rw eir?          uint64
  |   |   |   +--rw ebs?          uint64
  |   |   |   +--rw set-priority?  string
  |   |   |   +--rw conform-set-dscp? dscp-value
  |   |   |   +--rw conform-set-prec? precedence-value
  |   |   |   +--rw conform-set-tc? tc-value
  |   |   |   +--rw exceed-set-dscp? dscp-value
  |   |   |   +--rw exceed-set-prec? precedence-value
  |   |   |   +--rw exceed-set-tc? tc-value
  |   |   +--rw set
  |   |   |   +--rw set_cos_tc /*drop-node-name*/
  |   |   |   |   +--rw cos?      uint8
  |   |   |   |   +--rw traffic-class? uint8
  |   |   |   +--rw set_dscp /*drop-node-name*/
  |   |   |   |   +--rw dscp?    uint16
  |   |   +--rw span
  |   |   |   +--rw session?    session-type
  |   |   +--rw map
  |   |   |   +--rw cos-mutation? map-name-type

```

```

| | | +--rw cos-traffic-class?    map-name-type
| | | +--rw dscp-cos?            map-name-type
| | | +--rw dscp-traffic-class?  map-name-type
| | | +--rw dscp-mutation?       map-name-type
| | | +--rw sflow?               map-name-type
| | +--rw shape
| | | +--rw shaping_rate?    shaping-rate-limit /*drop-node-name*/
| +--rw scheduler
| | +--rw strict-priority
| | | +--rw priority-number?    uint8 /*drop-node-name*/
| | | +--rw scheduler-type?     enumeration /*drop-node-name*/
| | | +--rw dwrr-traffic-class0? uint32 /*drop-node-name*/
| | | +--rw dwrr-traffic-class1? uint32 /*drop-node-name*/
| | | +--rw dwrr-traffic-class2? uint32 /*drop-node-name*/
| | | +--rw dwrr-traffic-class3? uint32 /*drop-node-name*/
| | | +--rw dwrr-traffic-class4? uint32 /*drop-node-name*/
| | | +--rw dwrr-traffic-class5? uint32 /*drop-node-name*/
| | | +--rw dwrr-traffic-class6? uint32 /*drop-node-name*/
| | | +--rw dwrr-traffic-class-last? uint32 /*drop-node-name*/
| | | +--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 priority-mapping-table
| | +--rw import
| | | +--rw cee?                map-name-type
+--rw system-qos /*drop-node-name*/
+--rw qos
+--rw service-policy [direction policy-map-name]
+--rw direction        enumeration
+--rw policy-map-name   map-name-type
+--rw attach
+--rw rbridge-id
+--rw add
| | +--rw rb-add-range?    rbridge-ui32-range /*drop-node-name*/
+--rw remove
| | +--rw rb-remove-range? rbridge-ui32-range /*drop-node-name*/

```

External augmentations

```

module: brocade-interface
+--rw interface
| +--rw gigabitethernet [name]
| | +--rw policer:service-policy
| | | +--rw policer:in?    map-name-type
| | | +--rw policer:out?   map-name-type

module: brocade-interface
+--rw interface
| +--rw tengigabitethernet [name]
| | +--rw policer:service-policy
| | | +--rw policer:in?    map-name-type
| | | +--rw policer:out?   map-name-type

module: brocade-interface
+--rw interface
| +--rw fortygigabitethernet [name]
| | +--rw policer:service-policy
| | | +--rw policer:in?    map-name-type
| | | +--rw policer:out?   map-name-type

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw policer:service-policy
| | | +--rw policer:in?    map-name-type
| | | +--rw policer:out?   map-name-type

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw policer:service-policy

```

```
| | | +--rw policer:in?    map-name-type
| | | +--rw policer:out?  map-name-type
```

brocade-port-profile

Provides a data model for creating and activating port-profiles and for mapping a port-profile to MAC addresses.

A port-profile is a collection of network policies to be applied to network traffic on a given port.

Automatic Migration of Port Profiles (AMPP) provides fabric-wide configuration of Ethernet policies and achieves per-port-profile forwarding and enables network-level features to support Virtual Machine (VM) mobility.

With Server Virtualization, a VM can move from one physical server to another. When such a move occurs, it is ideal for the access layer to apply the network policies on the VM transparently. The Brocade Virtual Access Layer (VAL) service provides such automatic migration of the port-profile on a given VM MAC address transparently.

A port-profile typically comprises the subprofiles listed in [Table 4](#).

TABLE 4 AMPP subprofiles

Subprofile	Description
VLAN profile	VLAN membership and filtering rules. VLAN profile also provides a way to classify the VLAN based on MAC address, MAC group, and C-Tag.
QoS profile	QoS policies.
FCoE profile	FCoE map configuration.
Security profile	Security rules needed for the server port, typically enabling 802.1X with EAP TLV extensions for VM mobility, and MAC-based standard and extended ACLs.

VM MAC addresses are added to a port-profile to specify all the network attributes for a server port. A port-profile is activated on a server port as part of regular MAC learning. VM MAC to port-profile association is specified using the brocade-port-profile management module. The actual association in hardware is applied when the MAC address is learned.

This module also defines port-profile-domain, which is a logical grouping of port-profiles. The port-profile domain can be viewed as a 4K VLAN space. The Brocade switch can contain multiple port-profile domains, extending the traditional 4K VLAN space to support multitenancy.

Top-level container

```

module: brocade-port-profile
  +--rw port-profile [name]
  |   +--rw name                                         common-def:name-string128
  |   +--rw allow
  |   |   +--rw nonprofiledmacs?    empty /*alt-name:non-profiled-macs*/
  |   +--rw vlan-profile?
  |   |   +--rw switchport-basic /*alt-name:switchport*/
  |   |   |   +--rw basic?    empty
  |   |   +--rw switchport
  |   |   |   +--rw mode
  |   |   |   |   +--rw vlan-mode?    appm-sw-mode-type /*drop-node-name*/
  |   |   +--rw access
  |   |   |   +--rw vlan
  |   |   |   |   +--rw name?    interface:vlan-type /*drop-node-name*/
  |   |   +--rw access-mac-vlan-classification /*drop-node-name*/
  |   |   |   +--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 /*alt-
name:mac*/

```

```

+--rw access-mac-group-vlan-classification /*drop-node-name*/
+--rw access
+--rw vlan [access-vlan-id access-mac-group]
+--rw access-vlan-id interface:vlan-type
+--rw access-mac-group uint32 /*alt-name:mac-group*/
+--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 /*drop-node-name*/
+--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 /*alt-
name:ctag*/
+--rw remove [trunk-vlan-id trunk-ctag-id]
+--rw trunk-vlan-id interface:vlan-type
+--rw trunk-ctag-id interface:dot1q-vlan-type /*alt-
name:ctag*/
+--rw native-vlan-classification /*drop-node-name*/
+--rw native-vlan-id? uint32 /*alt-name:native-vlan*/
+--rw native-vlan-ctag-id? interface:dot1q-vlan-type /*alt-
name:ctag*/
+--rw native-vlan? uint32
+--rw fcoe-profile?
+--rw fcoeport
+--rw fcoe-map-name? string
+--rw qos-profile?
+--rw cee? common-def:name-string32
+--rw qos
+--rw cos? int32
+--rw trust
+--rw trust-cos? empty /*alt-name:cos*/
+--rw cos-mutation? common-def:name-string32
+--rw cos-traffic-class? common-def:name-string32
+--rw flowcontrol
+--rw flowcontrolglobal /*drop-node-name*/
+--rw tx? enumeration
+--rw rx? enumeration
+--rw pfc [pfc-cos]
+--rw pfc-cos int32 /*drop-node-name*/; /*alt-name:cos*/
+--rw pfc-tx enumeration /*alt-name:tx*/
+--rw pfc-rx enumeration /*alt-name:rx*/
+--rw security-profile?
+--rw mac
+--rw access-group
+--rw access-group-name? mac-access-list:mac-acl-name /*drop-node-
name*/
+--rw in? empty
+--rw ip
+--rw access-group
+--rw ipv4-access-group-name? ip-access-list:l3-acl-policy-name /
*drop-node-name*/
+--rw ipv4-in? empty /*alt-name:"in"*/
+--rw ipv6
+--rw access-group
+--rw ipv6-access-group-name? ip-access-list:l3-acl-policy-name /
*drop-node-name*/
+--rw ipv6-in? empty /*alt-name:"in"*/
+--rw restrict-flooding-container /*drop-node-name*/
+--rw restrict-flooding? empty
+--rw port-profile-global /*drop-node-name*/
+--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 /*drop-node-
name*/
+--rw profile [profile-name] /*alt-name:port-profile*/
+--rw profile-name port-profile-name-type /*drop-node-name*/

```

External augmentations

```

module: brocade-interface
+--rw interface
|   +--rw gigabitethernet [name]
|   |   +--rw appm:port-profile-port? empty
|   |   +--rw appm:port-profile-to-interface-associations /*drop-node-name*/
|   |   |   +--rw appm:port-profile-port
|   |   |   +--rw appm:port-to-port-profile-domain-association /*alt-name:domain*/
|   |   |   +--rw appm:profile-domain-name? port-profile-domain-name-type /
|   |   *drop-node-name*/
|   *drop-node-name*/

module: brocade-interface
+--rw interface
|   +--rw tengigabitethernet [name]
|   |   +--rw appm:port-profile-port? empty
|   |   +--rw appm:port-profile-to-interface-associations /*drop-node-name*/
|   |   |   +--rw appm:port-profile-port
|   |   |   +--rw appm:port-to-port-profile-domain-association /*alt-name:domain*/
|   |   |   +--rw appm:profile-domain-name? port-profile-domain-name-type /
|   |   *drop-node-name*/
|   *drop-node-name*/

module: brocade-interface
+--rw interface
|   +--rw fortygigabitethernet [name]
|   |   +--rw appm:port-profile-port? empty
|   |   +--rw appm:port-profile-to-interface-associations /*drop-node-name*/
|   |   |   +--rw appm:port-profile-port
|   |   |   +--rw appm:port-to-port-profile-domain-association /*alt-name:domain*/
|   |   |   +--rw appm:profile-domain-name? port-profile-domain-name-type /
|   |   *drop-node-name*/
|   *drop-node-name*/

module: brocade-interface
+--rw interface
|   +--rw hundredgigabitethernet [name]
|   |   +--rw appm:port-profile-port? empty
|   |   +--rw appm:port-profile-to-interface-associations /*drop-node-name*/
|   |   |   +--rw appm:port-profile-port
|   |   |   +--rw appm:port-to-port-profile-domain-association /*alt-name:domain*/
|   |   |   +--rw appm:profile-domain-name? port-profile-domain-name-type /
|   |   *drop-node-name*/
|   |   +--rw appm:port-to-port-profile-associations [port-to-port-profile-
|   |   |   association] /*alt-name:profile*/
|   |   |   +--rw appm:port-to-port-profile-association port-profile-name-
|   |   |   type /*drop-node-name*/
|   |   *drop-node-name*/
|   *drop-node-name*/

module: brocade-interface
+--rw interface
|   +--rw port-channel [name]
|   |   +--rw appm:port-profile-port? empty
|   |   +--rw appm:port-profile-to-interface-associations /*drop-node-name*/
|   |   |   +--rw appm:port-profile-port
|   |   |   +--rw appm:port-to-port-profile-domain-association /*alt-name:domain*/
|   |   |   +--rw appm:profile-domain-name? port-profile-domain-name-type /
|   |   *drop-node-name*/
|   |   +--rw appm:port-to-port-profile-associations [port-to-port-profile-
|   |   |   association] /*alt-name:profile*/
|   |   |   +--rw appm:port-to-port-profile-association port-profile-name-
|   |   |   type
|   |   *drop-node-name*/
|   *drop-node-name*/

```

brocade-port-profile-ext

Provides extensions to the brocade-port-profile module.

RPCs

```

+---x get-port-profile-for-intf
|   +--ro input
|   |   +--ro rbridge-id?                uint32
|   |   +--ro (request-type)?
|   |   |   +--:(get-request)
|   |   |   |   +--ro interface-type?    enumeration
|   |   |   |   +--ro interface-name?    union
|   |   |   +--:(getnext-request)
|   |   |   +--ro last-received-interface-info
|   |   |   |   +--ro interface-type?    enumeration
|   |   |   |   +--ro interface-name?    union
|   |   +--ro output
|   |   |   +--ro interface
|   |   |   |   +--ro interface-type?    enumeration
|   |   |   |   +--ro interface-name?    union
|   |   |   |   +--ro port-profile
|   |   |   |   |   +--ro name?          common-def:name-string64
|   |   |   +--ro has-more?              boolean
+---x get-port-profile-status
|   +--ro input
|   |   +--ro rbridge-id?                uint32
|   |   +--ro port-profile-name?          common-def:name-string64
|   |   +--ro port-profile-status?        enumeration
|   |   +--ro (request-type)?
|   |   |   +--:(getnext-request)
|   |   |   +--ro last-received-port-profile-info
|   |   |   |   +--ro profile-name?      common-def:name-string64
|   |   |   |   +--ro profile-mac?       inet:mac-address
|   +--ro output
|   |   +--ro port-profile [name]
|   |   |   +--ro name                    common-def:name-string64
|   |   |   +--ro ppid?                  uint32
|   |   |   +--ro is-active?              boolean
|   |   |   +--ro mac-association [mac]
|   |   |   |   +--ro mac                  inet:mac-address
|   |   |   |   +--ro applied-interface
|   |   |   |   |   +--ro interface-type?  enumeration
|   |   |   |   |   +--ro interface-name?  union
|   |   |   +--ro has-more?              boolean

```

brocade-preprovision

Provides a data model to manage the preprovision feature.

Top-level container

```

+---rw preprovision
|   +---rw rbridge-id [rbridge-id wwn]
|       +---rw rbridge-id      common-def:rbridge-id-type /*drop-node-name*/
|       +---rw wwn             common-def:wwn-type

```

RPCs

```

+---x show-bare-metal-state
|   +---ro output
|       +---ro bare-metal-state?    string

```

Actions

```

module: brocade-common-def
+---rw show
|   +---rw preprovision:bare-metal /*drop-node-name*/
|       +---ro preprovision:bare-metal
|       +---ro preprovision:input
|       +---ro preprovision:output
|       +---ro preprovision:bare-metal-state?    string

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • RPC <i>show-bare-metal-state</i> containing leaf <i>bare-metal-state</i> was added under grouping <i>bfd-static-route-config</i>. • Leaf <i>bare-metal-state</i> was added in the augment to common-def:show -> <i>bare-metal</i> (container).

brocade-qos

Provides a data model for managing Quality of Service (QoS).

Top-level container

```

module: brocade-qos
  +--rw qos
  |   +--rw map
  |   |   +--rw dscp-mutation [dscp-mutation-map-name]
  |   |   |   +--rw dscp-mutation-map-name      map-name-type
  |   |   |   +--rw mark [dscp-in-values]
  |   |   |   |   +--rw dscp-in-values      UI32DscpMutationRange
  |   |   |   |   +--rw to                  int32
  |   |   +--rw dscp-traffic-class [dscp-traffic-class-map-name]
  |   |   |   +--rw dscp-traffic-class-map-name  map-name-type
  |   |   |   +--rw mark [dscp-in-values]
  |   |   |   |   +--rw dscp-in-values      UI32DscpMutationRange
  |   |   |   |   +--rw to                  int32
  |   |   +--rw dscp-cos [dscp-cos-map-name]
  |   |   |   +--rw dscp-cos-map-name          map-name-type
  |   |   |   +--rw mark [dscp-in-values]
  |   |   |   |   +--rw dscp-in-values      UI32DscpMutationRange
  |   |   |   |   +--rw to                  int32
  |   |   +--rw cos-mutation [name]
  |   |   |   +--rw name          map-name-type
  |   |   |   +--rw cos0?        int32 /*drop-node-name*/
  |   |   |   +--rw cos1?        int32 /*drop-node-name*/
  |   |   |   +--rw cos2?        int32 /*drop-node-name*/
  |   |   |   +--rw cos3?        int32 /*drop-node-name*/
  |   |   |   +--rw cos4?        int32 /*drop-node-name*/
  |   |   |   +--rw cos5?        int32 /*drop-node-name*/
  |   |   |   +--rw cos6?        int32 /*drop-node-name*/
  |   |   |   +--rw cos7         int32 /*drop-node-name*/
  |   |   +--rw cos-traffic-class [name]
  |   |   |   +--rw name          map-name-type
  |   |   |   +--rw cos0?        int32 /*drop-node-name*/
  |   |   |   +--rw cos1?        int32 /*drop-node-name*/
  |   |   |   +--rw cos2?        int32 /*drop-node-name*/
  |   |   |   +--rw cos3?        int32 /*drop-node-name*/
  |   |   |   +--rw cos4?        int32 /*drop-node-name*/
  |   |   |   +--rw cos5?        int32 /*drop-node-name*/
  |   |   |   +--rw cos6?        int32 /*drop-node-name*/
  |   |   |   +--rw cos7         int32 /*drop-node-name*/
  |   +--rw red-profile [profile-id]
  |   |   +--rw profile-id      RedProfileType /*drop-node-name*/
  |   |   +--rw min-threshold    int32
  |   |   +--rw max-threshold    int32
  |   |   +--rw drop-probability int32
  |   +--rw queue
  |   |   +--rw multicast
  |   |   |   +--rw scheduler
  |   |   |   |   +--rw dwrr
  |   |   |   |   |   +--rw dwrr-traffic-class0? int32 /*drop-node-name*/
  |   |   |   |   |   +--rw dwrr-traffic-class1? int32 /*drop-node-name*/
  |   |   |   |   |   +--rw dwrr-traffic-class2? int32 /*drop-node-name*/
  |   |   |   |   |   +--rw dwrr-traffic-class3? int32 /*drop-node-name*/
  |   |   |   |   |   +--rw dwrr-traffic-class4? int32 /*drop-node-name*/
  |   |   |   |   |   +--rw dwrr-traffic-class5? int32 /*drop-node-name*/
  |   |   |   |   |   +--rw dwrr-traffic-class6? int32 /*drop-node-name*/
  |   |   |   |   |   +--rw dwrr-traffic-class7? int32 /*drop-node-name*/
  |   |   +--rw scheduler
  |   |   |   +--rw strict-priority
  |   |   |   |   +--rw priority-number?      int32 /*drop-node-name*/
  |   |   |   |   +--rw scheduler-type?        enumeration /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class0?    int32 /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class1?    int32 /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class2?    int32 /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class3?    int32 /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class4?    int32 /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class5?    int32 /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class6?    int32 /*drop-node-name*/
  |   |   |   |   +--rw dwrr-traffic-class-last? int32 /*drop-node-name*/

```

```

|   +---rw rcv-queue
|   |   +---rw multicast
|   |   |   +---rw threshold
|   |   |   |   +---rw traffic-class0?    int32 /*drop-node-name*/
|   |   |   |   +---rw traffic-class1?    int32 /*drop-node-name*/
|   |   |   |   +---rw traffic-class2?    int32 /*drop-node-name*/
|   |   |   |   +---rw traffic-class3?    int32 /*drop-node-name*/
|   |   |   |   +---rw traffic-class4?    int32 /*drop-node-name*/
|   |   |   |   +---rw traffic-class5?    int32 /*drop-node-name*/
|   |   |   |   +---rw traffic-class6?    int32 /*drop-node-name*/
|   |   |   |   +---rw traffic-class7?    int32 /*drop-node-name*/
|   |   |   +---rw rate-limit
|   |   |   |   +---rw limit?      int32 /*drop-node-name*/
|   |   |   |   +---rw burst?     int32
|   +---rw nas
|   |   +---rw auto-qos?
|   |   |   +---rw set
|   |   |   |   +---rw cos?      uint32
|   |   |   |   +---rw dscp?     uint32
|   |   +---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

```

External augmentations

```

module: brocade-interface
+---rw interface
|   +---rw gigabitethernet [name]
|   |   +---rw qos:qos
|   |   |   +---rw qos:priority-tag-enable?          empty /*alt-
name:priority-tag*/
|   |   |   +---rw qos:qos
|   |   |   |   +---rw qos:default-cos?              int32 /*alt-name:cos*/
|   |   |   |   +---rw qos:trust
|   |   |   |   |   +---rw qos:trust-cos?            empty /*alt-name:cos*/
|   |   |   |   |   +---rw qos:trust-dscp?          empty /*alt-name:dscp*/
|   |   |   |   +---rw qos:cos-mutation?             map-name-type
|   |   |   |   +---rw qos:cos-traffic-class?        map-name-type
|   |   |   |   +---rw qos:dscp-mutation?            map-name-type
|   |   |   |   +---rw qos:dscp-traffic-class?       map-name-type
|   |   |   |   +---rw qos:dscp-cos?                 map-name-type
|   |   |   |   +---rw qos:random-detect
|   |   |   |   |   +---rw qos:traffic-class [red-tc-value]
|   |   |   |   |   |   +---rw qos:red-tc-value      uint32
|   |   |   |   |   |   +---rw qos:red-enable?      empty /*alt-name:apply*/
|   |   |   |   |   |   +---rw qos:red-profile-id?   uint32
|   |   |   |   +---rw qos:drop-monitor
|   |   |   |   |   +---rw qos:drop-monitor-enable?  empty /*alt-name:enable*/
|   |   |   +---rw qos:rcv-queue
|   |   |   |   +---rw qos:cos-threshold
|   |   |   |   |   +---rw qos:cos0-threshold?      uint32 /*drop-node-name*/
|   |   |   |   |   +---rw qos:cos1-threshold?      uint32 /*drop-node-name*/
|   |   |   |   |   +---rw qos:cos2-threshold?      uint32 /*drop-node-name*/
|   |   |   |   |   +---rw qos:cos3-threshold?      uint32 /*drop-node-name*/
|   |   |   |   |   +---rw qos:cos4-threshold?      uint32 /*drop-node-name*/
|   |   |   |   |   +---rw qos:cos5-threshold?      uint32 /*drop-node-name*/
|   |   |   |   |   +---rw qos:cos6-threshold?      uint32 /*drop-node-name*/
|   |   |   |   |   +---rw qos:cos7-threshold?      uint32 /*drop-node-name*/
|   |   |   |   +---rw qos:flowcontrol
|   |   |   |   |   +---rw qos:link-level-flowcontrol /*drop-node-name*/
|   |   |   |   |   |   +---rw qos:flowcontrol-tx?   enumeration /*alt-name:tx*/
|   |   |   |   |   |   +---rw qos:flowcontrol-rx?   enumeration /*alt-name:rx*/
|   +---rw qos:priority-tag-enable?          empty /*alt-
name:priority-tag*/
|   |   +---rw qos:qos
|   |   |   +---rw qos:default-cos?              int32 /*alt-name:cos*/
|   |   |   +---rw qos:trust
|   |   |   |   +---rw qos:trust-cos?            empty /*alt-name:cos*/

```

```

| | | | +--rw qos:trust-dscp? empty /*alt-name:dscp*/
| | | | +--rw qos:cos-mutation? map-name-type
| | | | +--rw qos:cos-traffic-class? map-name-type
| | | | +--rw qos:dscp-mutation? map-name-type
| | | | +--rw qos:dscp-traffic-class? map-name-type
| | | | +--rw qos:dscp-cos? map-name-type
| | | | +--rw qos:random-detect
| | | | | +--rw qos:traffic-class [red-tc-value]
| | | | | +--rw qos:red-tc-value uint32
| | | | | +--rw qos:red-enable? empty /*alt-name:apply*/
| | | | | +--rw qos:red-profile-id? uint32
| | | | +--rw qos:drop-monitor
| | | | | +--rw qos:drop-monitor-enable? empty /*alt-name:enable*/
| | | | +--rw qos:rcv-queue
| | | | | +--rw qos:cos-threshold
| | | | | | +--rw qos:cos0-threshold? uint32 /*drop-node-name*/
| | | | | | +--rw qos:cos1-threshold? uint32 /*drop-node-name*/
| | | | | | +--rw qos:cos2-threshold? uint32 /*drop-node-name*/
| | | | | | +--rw qos:cos3-threshold? uint32 /*drop-node-name*/
| | | | | | +--rw qos:cos4-threshold? uint32 /*drop-node-name*/
| | | | | | +--rw qos:cos5-threshold? uint32 /*drop-node-name*/
| | | | | | +--rw qos:cos6-threshold? uint32 /*drop-node-name*/
| | | | | | +--rw qos:cos7-threshold? uint32v
| | | | +--rw qos:flowcontrol
| | | | | +--rw qos:link-level-flowcontrol /*drop-node-name*/
| | | | | | +--rw qos:flowcontrol-tx? enumeration /*alt-name:tx*/
| | | | | | +--rw qos:flowcontrol-rx? enumeration /*alt-name:rx*/
| | | | +--rw qos:pfc [pfc-cos]
| | | | | +--rw qos:pfc-cos int32 /*drop-node-name*/; /*alt-
name:cos*/
| | | | | +--rw qos:pfc-flowcontrol-tx enumeration /*alt-name:tx*/
| | | | | +--rw qos:pfc-flowcontrol-rx enumeration /*alt-name:rx*/

module: brocade-interface
+--rw interface
| +--rw fortygigabitethernet [name]
| | +--rw qos:priority-tag-enable? empty /*alt-
name:priority-tag*/
| | | +--rw qos:qos
| | | | +--rw qos:default-cos? int32 /*alt-name:cos*/
| | | | +--rw qos:trust
| | | | | +--rw qos:trust-cos? empty /*alt-name:cos*/
| | | | | +--rw qos:trust-dscp? empty /*alt-name:dscp*/
| | | | +--rw qos:cos-mutation? map-name-type
| | | | +--rw qos:cos-traffic-class? map-name-type
| | | | +--rw qos:dscp-mutation? map-name-type
| | | | +--rw qos:dscp-traffic-class? map-name-type
| | | | +--rw qos:dscp-cos? map-name-type
| | | | +--rw qos:random-detect
| | | | | +--rw qos:traffic-class [red-tc-value]
| | | | | +--rw qos:red-tc-value uint32
| | | | | +--rw qos:red-enable? empty /*alt-name:apply*/
| | | | | +--rw qos:red-profile-id? uint32
| | | | +--rw qos:drop-monitor
| | | | | +--rw qos:drop-monitor-enable? empty /*alt-name:enable*/
| | | | +--rw qos:flowcontrol
| | | | | +--rw qos:link-level-flowcontrol /*drop-node-name*/
| | | | | | +--rw qos:flowcontrol-tx? enumeration /*alt-name:tx*/
| | | | | | +--rw qos:flowcontrol-rx? enumeration /*alt-name:rx*/
| | | | +--rw qos:pfc [pfc-cos]
| | | | | +--rw qos:pfc-cos int32 /*drop-node-name*/; /*alt-
name:cos*/
| | | | | +--rw qos:pfc-flowcontrol-tx enumeration /*alt-name:tx*/
| | | | | +--rw qos:pfc-flowcontrol-rx enumeration /*alt-name:rx*/

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw qos:priority-tag-enable? empty /*alt-
name:priority-tag*/
| | | +--rw qos:qos
| | | | +--rw qos:default-cos? int32 /*alt-name:cos*/
| | | | +--rw qos:trust
| | | | | +--rw qos:trust-cos? empty /*alt-name:cos*/
| | | | | +--rw qos:trust-dscp? empty /*alt-name:dscp*/
| | | | +--rw qos:cos-mutation? map-name-type
| | | | +--rw qos:cos-traffic-class? map-name-type
| | | | +--rw qos:dscp-mutation? map-name-type

```

```

| | | +--rw qos:dscp-traffic-class? map-name-type
| | | +--rw qos:dscp-cos? map-name-type
| | | +--rw qos:random-detect
| | | | +--rw qos:traffic-class [red-tc-value]
| | | | | +--rw qos:red-tc-value uint32
| | | | | +--rw qos:red-enable? empty /*alt-name:apply*/
| | | | | +--rw qos:red-profile-id? uint32
| | | +--rw qos:drop-monitor
| | | | +--rw qos:drop-monitor-enable? empty /*alt-name:enable*/
| | | +--rw qos:flowcontrol
| | | | +--rw qos:link-level-flowcontrol /*drop-node-name*/
| | | | | +--rw qos:flowcontrol-tx? enumeration /*alt-name:tx*/
| | | | | +--rw qos:flowcontrol-rx? enumeration /*alt-name:rx*/
| | | +--rw qos:pfc [pfc-cos]
| | | | +--rw qos:pfc-cos int32 /*drop-node-name*/; /*alt-
name:cos*/
| | | | +--rw qos:pfc-flowcontrol-tx enumeration /*alt-name:tx*/
| | | | +--rw qos:pfc-flowcontrol-rx enumeration /*alt-name:rx*/

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw qos:priority-tag-enable? empty /*alt-
name:priority-tag*/
| | | +--rw qos:qos
| | | | +--rw qos:default-cos? int32 /*alt-name:cos*/
| | | | +--rw qos:trust
| | | | | +--rw qos:trust-cos? empty /*alt-name:cos*/
| | | | | +--rw qos:trust-dscp? empty /*alt-name:dscp*/
| | | | +--rw qos:cos-mutation? map-name-type
| | | | +--rw qos:cos-traffic-class? map-name-type
| | | | +--rw qos:dscp-mutation? map-name-type
| | | | +--rw qos:dscp-traffic-class? map-name-type
| | | | +--rw qos:dscp-cos? map-name-type
| | | | +--rw qos:random-detect
| | | | | +--rw qos:traffic-class [red-tc-value]
| | | | | | +--rw qos:red-tc-value uint32
| | | | | | +--rw qos:red-enable? empty /*alt-name:apply*/
| | | | | | +--rw qos:red-profile-id? uint32
| | | | +--rw qos:drop-monitor
| | | | | +--rw qos:drop-monitor-enable? empty /*alt-name:enable*/
| | | | +--rw qos:flowcontrol
| | | | | +--rw qos:link-level-flowcontrol /*drop-node-name*/
| | | | | | +--rw qos:flowcontrol-tx? enumeration /*alt-name:tx*/
| | | | | | +--rw qos:flowcontrol-rx? enumeration /*alt-name:rx*/
| | | | +--rw qos:pfc [pfc-cos]
| | | | | +--rw qos:pfc-cos int32 /*drop-node-name*/; /*alt-
name:cos*/
| | | | | +--rw qos:pfc-flowcontrol-tx enumeration /*alt-name:tx*/
| | | | | +--rw qos:pfc-flowcontrol-rx enumeration /*alt-name:rx*/

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw qos:qos
| +--rw qos:tx-queue
| | +--rw qos:tx-queue-limit? uint32 /*alt-name:limit*/
| +--rw qos:rcv-queue
| | +--rw qos:rcv-queue-limit? uint32 /*alt-name:limit*/

```

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
  +--rw logging
  |   +--rw raslog
  |   |   +--rw message
  |   |   |   +--rw msgId [msgId]
  |   |   |   |   +--rw msgId      string
  |   |   |   |   +--rw severity?  message-severity
  |   |   |   |   +--rw suppress?  empty
  |   |   |   |   +--rw syslog?    empty
  |   |   +--rw module
  |   |   |   +--rw modId [modId] /*drop-node-name*/
  |   |   |   |   +--rw modId      string
  |   |   +--rw console?  raslog-console
  +--rw syslog-server [syslogip use-vrf]
  |   +--rw syslogip      inet:ip-address
  |   +--rw use-vrf       common-def:vrf-name
  |   +--rw secure?       empty
  |   +--rw port?         uint16
  +--rw auditlog
  |   +--rw class [class]
  |   |   +--rw class      audit-class
  +--rw syslog-facility
  |   +--rw local?         facility-enum
  +--rw syslog-client
  |   +--rw localip        iptype-enum
  +--rw destination_console /*drop-node-name*/
  |   +--rw logging
  |   |   +--rw raslog
  |   |   |   +--ro console
  |   |   |   |   +--ro input
  |   |   |   |   |   +--ro (ras-con)?
  |   |   |   |   |   |   +--: (stop)
  |   |   |   |   |   |   |   +--ro stop          uint32
  |   |   |   |   |   |   |   +--: (start)
  |   |   |   |   |   |   |   +--ro start?         empty
  |   |   |   |   |   +--ro rbridge-id?  switchidType
  +--rw system /*drop-node-name*/
  |   +--rw usb
  |   |   +--rw switch-attributes /*drop-node-name*/
  |   |   |   +--rw rbridge-id [rbridge-id]
  |   |   |   |   +--rw rbridge-id      switchidType-noall
  |   |   |   |   +--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 resource-monitor

```

RPCs

```

+---x bna-config-cmd
| +--ro input
| | +--ro src      string
| | +--ro dest     string
| +--ro output
| | +--ro session-id      uint32
| | +--ro status         cmd-status
| | +--ro status-string?  string
+---x bna-config-cmd-status
| +--ro input
| | +--ro session-id      uint32
+--ro output
| +--ro status         cmd-status
| +--ro status-string?  string

```

Actions

Upload support data to FTP server:

```

module: brocade-ras
+--rw copy
| +--rw support
| | +--ro ftp
| | | +--ro input
| | | | +--ro user      string
| | | | +--ro host      string
| | | | +--ro directory  directory-path
| | | | +--ro password?  string
| | | | +--ro rbridge-id? rbridge-ids-all-type
| | | | +--ro timeout?   timeout-value
| | | | +--ro linecard?  string
| | | | +--ro group?     group-type
| | | | +--ro use-vrf?   common-def:vrf-name
| | | +--ro output
| | | | +--ro supportSaveResult [rbridge-id]
| | | | +--ro rbridge-id      switchidType
| | | | +--ro status-code     copy-support-status
| | | | +--ro status-str?    string

```

Upload support data to SCP server:

```

module: brocade-ras
+--rw copy
| +--rw support
| | +--ro scp
| | | +--ro input
| | | | +--ro user      string
| | | | +--ro host      string
| | | | +--ro directory  directory-path
| | | | +--ro password?  string
| | | | +--ro rbridge-id? rbridge-ids-all-type
| | | | +--ro timeout?   timeout-value
| | | | +--ro linecard?  string
| | | | +--ro group?     group-type
| | | | +--ro use-vrf?   common-def:vrf-name
| | | +--ro output
| | | | +--ro supportSaveResult [rbridge-id]
| | | | +--ro rbridge-id      switchidType
| | | | +--ro status-code     copy-support-status
| | | | +--ro status-str?    string

```

Upload support data to USB device:

```

module: brocade-ras
+--rw copy
| +--rw support
| | +--ro usb
| | | +--ro input
| | | | +--ro directory  string
| | | | +--ro rbridge-id? rbridge-ids-all-type
| | | | +--ro timeout?   timeout-value
| | | +--ro output
| | | | +--ro supportSaveResult [rbridge-id]
| | | | +--ro rbridge-id      switchidType

```

```

| |          +---ro status-code    copy-support-status
| |          +---ro status-str?    string

```

Enable interactive mode:

```

module: brocade-ras
+---rw copy
| +---ro support-interactive
|   +---ro input
|   +---ro output
|   +---ro result?    string

```

Display the logs in the console:

```

module: brocade-ras
+---rw logging
| +---rw raslog
| | +---rw console?    raslog-console

```

Enable USB:

```

module: brocade-ras
+---rw system
| +---rw usb
| | +---ro on
| | | +---ro input
| | | +---ro rbridge-id?    switchidType

```

Disable USB:

```

module: brocade-ras
+---rw system
| +---rw usb
| | +---ro off
| | | +---ro input
| | | +---ro rbridge-id?    switchidType

```

List a USB directory:

```

module: brocade-ras
+---rw system
| +---rw usb
| | +---ro dir
| | | +---ro input
| | | +---ro rbridge-id?    switchidType

```

Remove a USB file:

```

module: brocade-ras
+---rw system
| +---rw usb
| | +---ro remove
| | | +---ro input
| | | +---ro directory    string
| | | +---ro file         string
| | | +---ro rbridge-id?  switchidType

```

Generate audit log message for internal audit log test:

```

module: brocade-ras
+---rw auditlog
| +---ro gmsg
|   +---ro input
|   +---ro messageID?    string

```

Enable or disable memory:

```

module: brocade-ras
+---rw resource-monitor
+---ro memory
| +---ro input
|   +---ro (srm)?
|   +---:(enable)
|   | +---ro enable?    empty
|   +---:(disable)
|   | +---ro disable?    empty

```

Enable or disable the CPU:

```

module: brocade-ras
  +--rw resource-monitor
    +--ro cpu
      +--ro input
        +--ro (srm)?
          +--:(enable)
            | +--ro enable?    empty
          +--:(disable)
            | +--ro disable?   empty

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>use-vrf</i> was added in the augment to brocade-ras within <i>logging</i> (container) -> <i>syslog-server</i> (list). • Leaves <i>chassis-name</i> and <i>host-name</i> were removed from the container <i>switch-attributes</i>. • Key of list <i>syslog-server</i> under container <i>logging</i> was changed from <i>syslogip</i> to <i>syslogip use-vrf</i>.
7.0.0	This YANG module was modified to include the following: • Type of leaf <i>group</i> changed from <i>string</i> to <i>group-type</i>. • Leaf <i>use-vrf</i> was added within the following: - <i>copy</i> (container) -> <i>support</i> (container) -> <i>ftp</i> -> <i>input</i> - <i>copy</i> (container) -> <i>support</i> (container) -> <i>scp</i> -> <i>input</i>

brocade-ras-ext

Provides a data model for managing RASlog-related information.

Top-level container

```
module: brocade-ras-ext
  +--rw rasman
```

External augmentations

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

RPCs

```
+---x show-raslog
  | +--ro input
  | | +--ro rbridge-id?          switchid-type
  | | +--ro number-of-latest-events? uint32
  | +--ro output
  | | +--ro show-all-raslog
  | | | +--ro rbridge-id?          switchid-type
  | | | +--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 input
  | | +--ro rbridge-id?          switchid-type
  | +--ro output
  | | +--ro show-support-save-status
  | | | +--ro rbridge-id?          switchid-type
  | | | +--ro status?             enumeration
  | | | +--ro message?            string
  | | | +--ro percentage-of-completion? uint32
+---x show-system-info
  | +--ro input
  | | +--ro rbridge-id?          switchid-type
  | +--ro output
  | | +--ro show-system-info
  | | | +--ro rbridge-id?          switchid-type
  | | | +--ro stack-mac?          ietfyang:mac-address
```

Actions

Show support information available for upload:

```
module: brocade-common-def
  +--rw show
    | +--rw ras-extensions:support /*drop-node-name*/
    | | +--ro ras-extensions:support
    | | | +--ro ras-extensions:input
    | | | | +--ro ras-extensions:rbridge-id? rbridge-ids-all-type
    | | | +--ro ras-extensions:output
```

Copy support details:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:copy-support
  |   |   +--ro ras-extensions:status
  |   |   |   +--ro ras-extensions:input
  |   |   |   |   +--ro ras-extensions:rbridge-id?   switchid-type
  |   |   |   |   +--ro ras-extensions:output
  |   |   +--ro ras-extensions:group-list
  |   +--ro ras-extensions:output

```

Return inventory information:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra-inventory /*drop-node-name*/
  |   |   +--ro ras-extensions:inventory
  |   |   |   +--ro ras-extensions:input
  |   |   |   |   +--ro (opt)?
  |   |   |   |   |   +--:(chassis)
  |   |   |   |   |   |   +--ro ras-extensions:chassis?   empty
  |   |   |   |   |   |   +--:(fan)
  |   |   |   |   |   |   |   +--ro ras-extensions:fan?   empty
  |   |   |   |   |   |   |   +--:(module)
  |   |   |   |   |   |   |   |   +--ro ras-extensions:module?   empty
  |   |   |   |   |   |   |   |   +--:(powerSupply)
  |   |   |   |   |   |   |   |   |   +--ro ras-extensions:powerSupply?   empty
  |   |   |   |   |   |   |   |   |   +--ro ras-extensions:rbridge-id?   switchid-range
  |   |   |   +--ro ras-extensions:output

```

Show chassis information:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra /*drop-node-name*/
  |   |   +--ro ras-extensions:chassis
  |   |   |   +--ro ras-extensions:input
  |   |   |   |   +--ro ras-extensions:rbridge-id?   switchid-type
  |   |   |   |   +--ro ras-extensions:output
  |   |   |   |   +--ro ras-extensions:chassis-info [rbridge-id]
  |   |   |   |   |   +--ro ras-extensions:rbridge-id   switchid-type
  |   |   |   |   |   +--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

```

List process information:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra
  |   |   +--rw ras-extensions:process
  |   |   |   +--ro ras-extensions:info
  |   |   |   |   +--ro ras-extensions:input
  |   |   |   |   |   +--ro ras-extensions:rbridge-id?  switchid-type
  |   |   |   |   |   +--ro ras-extensions:output

```

List processes by memory usage:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra
  |   |   +--rw ras-extensions:process
  |   |   |   +--ro ras-extensions:memory
  |   |   |   |   +--ro ras-extensions:input
  |   |   |   |   |   +--ro ras-extensions:rbridge-id?  switchid-type
  |   |   |   |   |   +--ro ras-extensions:summary?    empty
  |   |   |   |   |   +--ro ras-extensions:output

```

List processes by CPU usage:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra
  |   |   +--rw ras-extensions:process
  |   |   |   +--ro ras-extensions:cpu
  |   |   |   |   +--ro ras-extensions:input
  |   |   |   |   |   +--ro ras-extensions:rbridge-id?  switchid-type
  |   |   |   |   |   +--ro ras-extensions:summary?    empty
  |   |   |   |   |   +--ro ras-extensions:history?    empty
  |   |   |   |   |   +--ro ras-extensions:top?        empty
  |   |   |   |   |   +--ro ras-extensions:all-partitions? empty
  |   |   |   |   |   +--ro ras-extensions:output

```

Show fan information:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra
  |   |   +--rw ras-extensions:environment
  |   |   |   +--ro ras-extensions:fan
  |   |   |   |   +--ro ras-extensions:input
  |   |   |   |   |   +--ro ras-extensions:rbridge-id?  switchid-type
  |   |   |   |   |   +--ro ras-extensions:output

```

Show power information:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra
  |   |   +--rw ras-extensions:environment
  |   |   |   +--ro ras-extensions:power
  |   |   |   |   +--ro ras-extensions:input
  |   |   |   |   |   +--ro ras-extensions:rbridge-id?  switchid-type
  |   |   |   |   |   +--ro ras-extensions:output

```

Show temperature information:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra
  |   |   +--rw ras-extensions:environment
  |   |   |   +--ro ras-extensions:temp
  |   |   |   |   +--ro ras-extensions:input
  |   |   |   |   |   +--ro ras-extensions:rbridge-id?  switchid-type
  |   |   |   |   |   +--ro ras-extensions:output

```

Return sensor information:

```

module: brocade-common-def
  +--rw show
  |   +--rw ras-extensions:infra
  |   |   +--rw ras-extensions:environment
  |   |   |   +--ro ras-extensions:sensor
  |   |   |   |   +--ro ras-extensions:input

```

```

| | | | +--ro ras-extensions:rbridge-id? switchid-type
| | | | +--ro ras-extensions:output
| | | | +--ro ras-extensions:sensor-info [rbridge-id]
| | | | +--ro ras-extensions:rbridge-id switchid-type
| | | | +--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

```

Show history information:

```

module: brocade-common-def
+--rw show
| +--rw ras-extensions:infra
| | +--ro ras-extensions:history
| | +--ro ras-extensions:input
| | | +--ro ras-extensions:rbridge-id? switchid-type
| | +--ro ras-extensions:output

```

Show RASlog entries:

```

module: brocade-common-def
+--rw show
| +--rw ras-extensions:logging
| | +--ro ras-extensions:raslog
| | | +--ro ras-extensions:input
| | | | +--ro ras-extensions:rbridge-id? switchid-type-noall
| | | | +--ro ras-extensions:reverse? empty
| | | | +--ro ras-extensions:message-type? enumeration
| | | | +--ro ras-extensions:attribute? enumeration
| | | | +--ro ras-extensions:blade? string
| | | | +--ro ras-extensions:count? uint16
| | | | +--ro ras-extensions:severity? enumeration
| | +--ro ras-extensions:output

```

Show audit log entries:

```

module: brocade-common-def
+--rw show
| +--rw ras-extensions:logging
| | +--ro ras-extensions:auditlog
| | | +--ro ras-extensions:input
| | | | +--ro ras-extensions:reverse? empty
| | | | +--ro ras-extensions:rbridge-id? switchid-type-noall
| | | | +--ro ras-extensions:count? uint16
| | +--ro ras-extensions:output

```

Clear support information:

```

module: brocade-common-def
+--rw clear
| +--rw ras-extensions:support /*drop-node-name*/
| | +--ro ras-extensions:support
| | +--ro ras-extensions:input
| | | +--ro ras-extensions:rbridge-id? rbridge-ids-all-type
| | +--ro ras-extensions:output

```

Clear RASlog:

```

module: brocade-common-def
+--rw clear
| +--rw ras-extensions:logging
| | +--ro ras-extensions:raslog
| | | +--ro ras-extensions:input
| | | | +--ro ras-extensions:rbridge-id? switchid-type
| | | | +--ro ras-extensions:message-type? enumeration
| | +--ro ras-extensions:output

```

Clear audit log:

```

module: brocade-common-def
+--rw clear
| +--rw ras-extensions:logging
| | +--ro ras-extensions:auditlog
| | | +--ro ras-extensions:input
| | | | +--ro ras-extensions:rbridge-id? switchid-type
| | +--ro ras-extensions:output

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>all-partitions</i> was added under <i>input</i> under <i>action cpu</i> within container <i>process</i>.

brocade-rbridge

Provides a data model for managing routing bridge IDs (RBridge IDs).

Top-level container

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw rbridge-id
    +--rw ip
    +--rw ipv6
    |   +--rw router
    +--rw router
    +--rw switch-attributes
    |   +--rw chassis-name?   string
    |   +--rw host-name?     string
    +--rw system-mode
    |   +--rw maintenance?   empty
```

History

Release version	History
7.0.0	This YANG module was modified to include the following: Leaf <i>maintenance</i> was added under container <i>system-mode</i> within list <i>rbridge-id</i>.

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] /*alt-name:event*/
      | +--rw event-index          event-index-type
      | +--rw event-description?   event-description-type /*alt-name:description*/
      | +--rw log?                 empty
      | +--rw event-community?     string /*alt-name:trap*/
      | +--rw event-owner?         owner-string /*alt-name:owner*/
    +--rw alarm-entry [alarm-index] /*alt-name:alarm*/
      +--rw alarm-index            alarm-index-type
      +--rw snmp-oid               snmp-oid-type /*drop-node-name*/
      +--rw alarm-interval         uint32 /*alt-name:interval*/
      +--rw alarm-sample           alarm-sample-type /*drop-node-name*/; /
  *alt-name:type*/
    +--rw alarm-rising-threshold   uint32 /*alt-name:rising-threshold*/
    +--rw alarm-rising-event-index alarm-rising-event-index-type /*alt-
name:event*/
    +--rw alarm-falling-threshold? uint32 /*alt-name:falling-threshold*/
    +--rw alarm-falling-event-index? alarm-falling-event-index-type /*alt-
name:event*/
    +--rw alarm-owner              owner-string /*alt-name:owner*/
```

External augmentations

```
module: brocade-interface
  +--rw interface
    | +--rw gigabitethernet [name]
    | | +--rw rmon:rmon
    | | | +--rw rmon:collection
    | | | | +--rw rmon:ether-stats-entry [ether-stats-index] /*alt-name:stats*/
    | | | | | +--rw rmon:ether-stats-index ether-stats-index-type
    | | | | | +--rw rmon:ether-stats-owner? owner-string /*alt-name:owner*/
    | | | | +--rw rmon:history-control-entry [history-control-index] /*alt-
name:history*/
    | | | | | +--rw rmon:history-control-index history-control-
index-type
    | | | | | +--rw rmon:history-control-buckets-requested? history-control-
buckets-requested-type /*alt-name:buckets*/
    | | | | | +--rw rmon:history-control-interval? history-control-
interval-type /*alt-name:interval*/
    | | | | | +--rw rmon:history-control-owner? owner-string /*alt-
name:owner*/
    | | | | +--rw rmon:history-control-index history-control-
index-type
    | | | | +--rw rmon:history-control-buckets-requested? history-control-
buckets-requested-type /*alt-name:buckets*/
    | | | | +--rw rmon:history-control-interval? history-control-
interval-type /*alt-name:interval*/
    | | | | +--rw rmon:history-control-owner? owner-string /*alt-
name:owner*/

module: brocade-interface
  +--rw interface
    | +--rw tengigabitethernet [name]
    | | +--rw rmon:rmon
    | | | +--rw rmon:collection
    | | | | +--rw rmon:ether-stats-entry [ether-stats-index] /*alt-name:stats*/
    | | | | | +--rw rmon:ether-stats-index ether-stats-index-type
    | | | | | +--rw rmon:ether-stats-owner? owner-string /*alt-name:owner*/
    | | | | +--rw rmon:history-control-entry [history-control-index] /*alt-
name:history*/
    | | | | | +--rw rmon:history-control-index history-control-
index-type
    | | | | | +--rw rmon:history-control-buckets-requested? history-control-
buckets-requested-type /*alt-name:buckets*/
    | | | | | +--rw rmon:history-control-interval? history-control-
interval-type /*alt-name:interval*/
    | | | | | +--rw rmon:history-control-owner? owner-string /*alt-
name:owner*/
```

```

module: brocade-interface
  +--rw interface
    |   +--rw fortygigabitethernet [name]
    |   |   +--rw rmon:rmon
    |   |   |   +--rw rmon:collection
    |   |   |   |   +--rw rmon:ether-stats-entry [ether-stats-index] /*alt-name:stats*/
    |   |   |   |   |   +--rw rmon:ether-stats-index      ether-stats-index-type
    |   |   |   |   |   +--rw rmon:ether-stats-owner?    owner-string /*alt-name:owner*/
    |   |   |   +--rw rmon:history-control-entry [history-control-index] /*alt-
name:history*/
    |   |   |   |   +--rw rmon:history-control-index      history-control-
index-type
    |   |   |   |   |   +--rw rmon:history-control-buckets-requested?  history-control-
buckets-requested-type /*alt-name:buckets*/
    |   |   |   |   |   +--rw rmon:history-control-interval?          history-control-
interval-type /*alt-name:interval*/
    |   |   |   |   |   +--rw rmon:history-control-owner?            owner-string /*alt-
name:owner*/

module: brocade-interface
  +--rw interface
    |   +--rw hundredgigabitethernet [name]
    |   |   +--rw rmon:rmon
    |   |   |   +--rw rmon:collection
    |   |   |   |   +--rw rmon:ether-stats-entry [ether-stats-index] /*alt-name:stats*/
    |   |   |   |   |   +--rw rmon:ether-stats-index      ether-stats-index-type
    |   |   |   |   |   +--rw rmon:ether-stats-owner?    owner-string /*alt-name:owner*/
    |   |   |   +--rw rmon:history-control-entry [history-control-index] /*alt-
name:history*/
    |   |   |   |   +--rw rmon:history-control-index      history-control-
index-type
    |   |   |   |   |   +--rw rmon:history-control-buckets-requested?  history-control-
buckets-requested-type /*alt-name:buckets*/
    |   |   |   |   |   +--rw rmon:history-control-interval?          history-control-
interval-type /*alt-name:interval*/
    |   |   |   |   |   +--rw rmon:history-control-owner?            owner-string /*alt-
name:owner*/

```

External augmentations

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```

|         |         +---rw rtm:metric?      uint32 /*drop-node-name*/
|         |         +---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] /*drop-node-name*/
|         |         +---rw rtm:static-route-next-vrf-dest    inet:ipv4-prefix
|         |         +---rw rtm:next-hop-vrf                  string
|         |         +---rw rtm:static-route-next-hop          inet:ipv4-address /*drop-node-
name*/
|         |         +---rw rtm:static-route-oif-vrf [static-route-next-vrf-dest next-hop-vrf
static-route-oif-type static-route-oif-name] /*drop-node-name*/
|         |         +---rw rtm:static-route-next-vrf-dest    inet:ipv4-prefix
|         |         +---rw rtm:next-hop-vrf                  string
|         |         +---rw rtm:static-route-oif-type          enumeration
|         |         +---rw rtm:static-route-oif-name          string /*alt-
name:InterfaceNumber*/
|         |         +---rw rtm:static-route-oif [static-route-dest static-route-oif-type
static-route-oif-name] /*drop-node-name*/
|         |         +---rw rtm:static-route-dest              inet:ipv4-prefix
|         |         +---rw rtm:static-route-oif-type          enumeration
|         |         +---rw rtm:static-route-oif-name          string /*alt-name:InterfaceNumber*/
|         |         +---rw rtm:route-attributes /*drop-node-name*/
|         |         |         +---rw rtm:metric?      uint32 /*drop-node-name*/
|         |         |         +---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] /*drop-node-name*/
|         |         +---rw rtm:bfd-static-route-dest          inet:ipv4-address
|         |         +---rw rtm:bfd-static-route-src            inet:ipv4-address
|         |         +---rw rtm:bfd-interval-attributes /*drop-node-name*/
|         |         |         +---rw rtm:interval?      uint16
|         |         |         +---rw rtm:min-rx?         uint16
|         |         |         +---rw rtm:multiplier?     uint8
|         |
|
module: brocade-rbridge
+---rw rbridge-id [rbridge-id]
+---rw vrf:vrf [vrf-name]
|   +---rw vrf:address-family
|   |   +---rw vrf:ip
|   |   |   +---rw rtm:ip
|   |   |   +---rw rtm:route
|   |   |   +---rw rtm:static-route-nh [static-route-dest static-route-
next-hop] /*drop-node-name*/
|   |   |   |   +---rw rtm:static-route-dest          inet:ipv4-prefix
|   |   |   |   +---rw rtm:static-route-next-hop      inet:ipv4-address /
*drop-node-name*/
|   |   |   |   +---rw rtm:route-attributes /*drop-node-name*/
|   |   |   |   |   +---rw rtm:metric?      uint32 /*drop-node-name*/
|   |   |   |   |   +---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] /*drop-node-name*/
|   |   |   |   |   +---rw rtm:static-route-next-vrf-dest    inet:ipv4-prefix
|   |   |   |   |   +---rw rtm:next-hop-vrf                  string
|   |   |   |   |   +---rw rtm:static-route-next-hop          inet:ipv4-
address /*drop-node-name*/
|   |   |   |   +---rw rtm:static-route-oif-vrf [static-route-next-vrf-dest
next-hop-vrf static-route-oif-type static-route-oif-name] /*drop-node-name*/
|   |   |   |   |   +---rw rtm:static-route-next-vrf-dest    inet:ipv4-prefix
|   |   |   |   |   +---rw rtm:next-hop-vrf                  string
|   |   |   |   |   +---rw rtm:static-route-oif-type          enumeration
|   |   |   |   |   +---rw rtm:static-route-oif-name          string /*alt-
name:InterfaceNumber*/
|   |   |   |   +---rw rtm:static-route-oif [static-route-dest static-route-
oif-type static-route-oif-name] /*drop-node-name*/
|   |   |   |   |   +---rw rtm:static-route-dest          inet:ipv4-prefix
|   |   |   |   |   +---rw rtm:static-route-oif-type          enumeration
|   |   |   |   |   +---rw rtm:static-route-oif-name          string /*alt-
name:InterfaceNumber*/
|   |   |   |   |   +---rw rtm:route-attributes /*drop-node-name*/
|   |   |   |   |   |   +---rw rtm:metric?      uint32 /*drop-node-name*/
|   |   |   |   |   |   +---rw rtm:distance?    uint32
|   |   |   |   |   |   +---rw rtm:tag?         uint32
|   |   |   |   +---rw rtm:static
|   |   |   |   +---rw rtm:bfd

```

```

static-route-src] /*drop-node-name*/
address
address
address
+--rw rtm:bfd-static-route [bfd-static-route-dest bfd-
+--rw rtm:bfd-static-route-dest      inet:ipv4-
+--rw rtm:bfd-static-route-src      inet:ipv4-
+--rw rtm:bfd-interval-attributes /*drop-node-name*/
+--rw rtm:interval?      uint16
+--rw rtm:min-rx?      uint16
+--rw rtm:multipplier?   uint8
+--rw rtm:import
+--rw rtm:routes [src-vrf map]
+--rw rtm:src-vrf      common-def:vrf-name
+--rw rtm:map common-def:name-string63

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Container <i>bfd-interval-attributes</i> containing leaves <i>interval</i>, <i>min-rx</i>, and <i>multiplier</i> was added within list <i>bfd-static-route</i> under grouping <i>bfd-static-route-config</i> in the augment to /rbridge:rbridge-id/rbridge:ip/rtm:rtm-config/rtm:route/rtm:static/rtm:bfd. • Container <i>bfd-interval-attributes</i> containing leaves <i>interval</i>, <i>min-rx</i>, and <i>multiplier</i> was added within list <i>bfd-static-route</i> under grouping <i>bfd-static-route-config</i> in the augment to /common-def:ip. • Leaf <i>holdover-interval</i> was added under grouping <i>bfd-holdover-interval-config</i> in the augment to /rbridge:rbridge-id/rbridge:ip/rtm:rtm-config/rtm:route/rtm:static/rtm:bfd.

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 /*drop-node-name*/
  |   +--rw telnet
  |   |   +--rw server
  |   |   |   +--rw shutdown?    empty
  |   |   |   +--rw standby
  |   |   |   +--rw enable?    empty
  |   |   +--rw telnet-vrf-cont /*drop-node-name*/
  |   |   |   +--rw use-vrf [use-vrf-name]
  |   |   |   +--rw use-vrf-name          string
  |   |   |   +--rw telnet-vrf-shutdown?  empty /*alt-name shutdown*/
  +--rw ssh-sa /*drop-node-name*/
  |   +--rw ssh
  |   |   +--rw server
  |   |   |   +--rw shutdown?    empty
  |   |   |   +--rw key-exchange? string
  |   |   |   +--rw rekey-interval? uint32
  |   |   |   +--rw cipher?      string
  |   |   |   +--rw mac?         string
  |   |   |   +--rw standby
  |   |   |   |   +--rw enable?    empty
  |   |   |   +--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 client
  |   |   |   +--rw cipher?      string
  |   |   |   +--rw mac?         string
  |   |   |   +--rw key-exchange? string

```

External augmentations

```

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

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  |   +--rw brcd-sec-services:telnet
  |   |   +--rw brcd-sec-services:server
  |   |   |   +--rw brcd-sec-services:shutdown?    empty
  |   |   |   +--rw brcd-sec-services:standby
  |   |   |   +--rw brcd-sec-services:enable?    empty
  |   |   +--rw brcd-sec-services:telnet-vrf-cont /*drop-node-name*/
  |   |   |   +--rw brcd-sec-services:use-vrf [use-vrf-name]
  |   |   |   +--rw brcd-sec-services:use-vrf-name          string
  |   |   |   +--rw brcd-sec-services:telnet-vrf-shutdown?  empty /*alt-name
shutdown*/

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

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]

```

```

+--rw brcd-sec-services:ssh
|   +--rw brcd-sec-services:server
|   |   +--rw brcd-sec-services:shutdown?      empty
|   |   +--rw brcd-sec-services:key-exchange?   string
|   |   +--rw brcd-sec-services:rekey-interval? uint32
|   |   +--rw brcd-sec-services:cipher?         string
|   |   +--rw brcd-sec-services:mac?            string
|   |   +--rw brcd-sec-services:standby
|   |   |   +--rw brcd-sec-services:enable?     empty
|   |   +--rw brcd-sec-services:key
|   |   |   +--rw brcd-sec-services:rsa?         rsa-bits-size
|   |   |   +--rw brcd-sec-services:ecdsa?       ecdsa-bits-size
|   |   |   +--rw brcd-sec-services:dsa?         empty
|   |   +--rw brcd-sec-services:ssh-vrf-cont /*drop-node-name*/
|   |   |   +--rw brcd-sec-services:use-vrf [use-vrf-name]
|   |   |   |   +--rw brcd-sec-services:use-vrf-name      string
|   |   |   |   +--rw brcd-sec-services:ssh-vrf-shutdown? empty /*alt-name
shutdown*/
|   +--rw brcd-sec-services:client
|   |   +--rw brcd-sec-services:cipher?         string
|   |   +--rw brcd-sec-services:mac?            string
|   |   +--rw brcd-sec-services:key-exchange?   string

```

Actions

Display the Telnet server status:

```

module: brocade-common-def
+--rw show
|   +--rw brcd-sec-services:telnet
|   |   +--rw brcd-sec-services:server
|   |   |   +--ro brcd-sec-services:status
|   |   |   |   +--ro brcd-sec-services:input
|   |   |   |   |   +--ro brcd-sec-services:rbridge-id? common-def:rbridge-id-all-type
|   |   |   |   +--ro brcd-sec-services:output

```

Display the SSH server status:

```

module: brocade-common-def
+--rw show
|   +--rw brcd-sec-services:ssh
|   |   +--rw brcd-sec-services:server
|   |   |   +--ro brcd-sec-services:status
|   |   |   |   +--ro brcd-sec-services:input
|   |   |   |   |   +--ro brcd-sec-services:rbridge-id? common-def:rbridge-id-all-type
|   |   |   |   +--ro brcd-sec-services:output
|   |   +--rw brcd-sec-services:client
|   |   |   +--ro brcd-sec-services:status
|   |   |   |   +--ro brcd-sec-services:input
|   |   |   |   |   +--ro brcd-sec-services:rbridge-id? common-def:rbridge-id-all-type
|   |   |   |   +--ro brcd-sec-services:output

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Leaves <i>mac</i> and <i>key-exchange</i> were added within container <i>client</i> under container <i>ssh</i>. - Leaves <i>mac</i> and <i>key-exchange</i> were added within container <i>client</i> under container <i>ssh</i> in the augment to <i>/rbridge:rbridge-id</i>.

Release version	History
7.0.0	This yang module was modified to include the following: • Leaves <i>use-vrf-name</i> and <i>telnet-vrf-shutdown</i> were added within <i>telnet</i> (container) -> <i>server</i> (container) -> <i>telnet-vrf-cont</i> (container) -> <i>use-vrf</i> (list). • Leaves <i>use-vrf-name</i> and <i>ssh-vrf-shutdown</i> were added within <i>ssh</i> (container) -> <i>server</i> (container) -> <i>ssh-vrf-cont</i> (container) -> <i>use-vrf</i> (list). • Leaves <i>use-vrf-name</i> and <i>telnet-vrf-shutdown</i> were added within <i>telnet</i> (container) -> <i>server</i> (container) -> <i>telnet-vrf-cont</i> (container) in augment to <i>/rbridge:rbridge-id</i>. • Leaves <i>use-vrf-name</i> and <i>ssh-vrf-shutdown</i> were added within <i>ssh</i> (container) -> <i>server</i> (container) -> <i>ssh-vrf-cont</i> (container) in augment to <i>/rbridge:rbridge-id</i>.

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 collector [collector-ip-address collector-port-number use-vrf]
  |   |   +--rw collector-ip-address    inet:ip-address /*drop-node-name*/
  |   |   +--rw collector-port-number  uint32 /*drop-node-name*/
  |   |   +--rw use-vrf                common-def:vrf-name
  |   +--rw source-ip?            enumeration
  |   +--rw polling-interval?     uint32
  |   +--rw sample-rate?         uint32
  +--rw sflow-profile [profile-name]
  |   +--rw profile-name          profile-name-type /*drop-node-name*/
  |   +--rw profile-sampling-rate? uint32 /*alt-name:"sampling-rate"*/
```

External augmentations

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

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

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

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

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>use-vrf</i> was added within <i>sflow</i> (container) -> <i>collector</i> (list). • Leaf <i>source-ip</i> was added within container <i>sflow</i>. • Key for list <i>collector</i> under container <i>sflow</i> was changed from <i>collector-ip-address collector-port-number</i> to <i>collector-ip-address collector-port-number use-vrf</i>.

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 ipv4-acl?      std-ip-acl-policy-name
|   |   +--rw ipv6-acl?      std-ip-acl-policy-name
|   +--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 ipv4-acl?      std-ip-acl-policy-name
|   |   +--rw ipv6-acl?      std-ip-acl-policy-name
|   +--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
|   +--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
|   +--rw agtconfig /*drop-node-name*/
|   |   +--rw contact?        system-contact
|   |   +--rw location?       system-location
|   |   +--rw sys-descr?      system-description
|   +--rw enable
|   |   +--rw trap
|   |   |   +--rw trap-flag?    empty /*drop-node-name*/
|   +--rw engineID-drop /*drop-node-name*/
|   |   +--rw engineID
|   |   |   +--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

```

External augmentations

```

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw snmp-server:snmp-server
    |   +--rw snmp-server:engineID
    |   |   +--rw snmp-server:local?    snmp-engineID
    |   +--rw snmp-server:user [username]
    |   |   +--rw snmp-server:username    string
    |   |   +--rw snmp-server:groupname?  string
    |   |   +--rw snmp-server:auth?       enumeration
    |   |   +--rw snmp-server:auth-password? string
    |   |   +--rw snmp-server:priv?       enumeration
    |   |   +--rw snmp-server:priv-password? string
    |   |   +--rw snmp-server:encrypted?  empty
    |   +--rw snmp-server:v3host [hostip username]
    |   |   +--rw snmp-server:hostip      inet:host
    |   |   +--rw snmp-server:username    string
    |   |   +--rw snmp-server:udp-port?   host-port
    |   |   +--rw snmp-server:notifytype? enumeration
    |   |   +--rw snmp-server:engineid?   string
    |   |   +--rw snmp-server:severity-level? sev-level
    |   +--rw snmp-server:offline-if
    |       +--rw snmp-server:offline-if-display-enable? empty /*alt-name:enable*/

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>use-vrf</i> was added within list <i>host</i> under container <i>snmp-server</i>. • Leaf <i>use-vrf</i> was added within list <i>host</i> within grouping <i>snmpv3host-group</i>. • Leaf <i>use-vrf</i> was added within list <i>host</i> in the augment to brocade-rbridge -> <i>snmp-server</i> (container) -> <i>v3host</i> (list).
6.0.1a	This YANG module was modified to include the following: • Leaves <i>ipv4-acl</i> and <i>ipv6-acl</i> were added within lists <i>community</i> and <i>user</i> under container <i>snmp-server</i>. • Leaf <i>offline-if-display-enable</i> was added under container <i>offline-if</i> within container <i>snmp-server</i> in augment to <i>/rbridge:rbridge-id</i>.

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>use-vrf</i> was removed from list <i>v3host</i> in augment to <i>/rbridge:rbridge-id</i>. • Leaves <i>community</i> and <i>context</i> were added within <i>snmp-server</i> (container) -> <i>mib</i> (container). • Leaf <i>loopback</i> was added within case <i>loopback</i> under choice <i>source-interface-type</i> within <i>snmp-server</i> (container) -> <i>v3host</i> (container) and <i>snmp-server</i> (container) -> <i>host</i> (container). • Leaf <i>ve</i> was added within case <i>ve</i> under choice <i>source-interface-type</i> within <i>snmp-server</i> (container) -> <i>v3host</i> (container) and <i>snmp-server</i> (container) -> <i>host</i> (container).

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 /*drop-node-name*/
        +--rw source?           enumeration /*drop-node-name*/
        +--rw src-tengigabitethernet? enumeration /*drop-node-name*/
        +--rw src-tengigabitethernet-val? span-if-type /*drop-node-name*/
        +--rw destination?      enumeration /*drop-node-name*/
        +--rw dest-tengigabitethernet? enumeration /*drop-node-name*/
        +--rw dest-tengigabitethernet-val? span-if-type /*drop-node-name*/
        +--rw dest-vlan-val?     interface:vlan-type /*drop-node-
name*/
      +--rw direction?          enumeration

```

External augmentations

```

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

```

brocade-system

Provides a data model for system-related information.

RPCs

```
+---x get-system-uptime
+--ro input
|   +---ro rbridge-id?   common-def:rbridge-id-type
+--ro output
    +--ro show-system-uptime [rbridge-id]
    |   +---ro rbridge-id   common-def:rbridge-id-type
    |   +---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-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 sfp
  |   |   +--rw alert
  |   |   |   +--rw state?                 sfp-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 system-monitor-mail
|   +--rw fru
|   |   +--rw enable?                    empty
|   |   +--rw email-list [email] /*drop-node-name*/
|   |   |   +--rw email                  string
+--rw sfp
|   +--rw enable?                    empty
|   +--rw email-list [email] /*drop-node-name*/
|   |   +--rw email                  string
+--rw security
|   +--rw enable?                    empty
|   +--rw email-list [email] /*drop-node-name*/
|   |   +--rw email                  string
+--rw interface
|   +--rw enable?                    empty
|   +--rw email-list [email] /*drop-node-name*/
|   |   +--rw email                  string
+--rw relay [host-ip]
|   +--rw host-ip                    inet:host
|   +--rw domain-name?              string

```

External augmentations

```

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

```

```
|      +--rw system-monitor:marginal-threshold?  uint32
|      +--rw system-monitor:down-threshold?      uint32
```

brocade-system-monitor-ext

Provides a data model for returning system monitor data.

External augmentations

```
module: brocade-common-def
  +--rw show
    | +--rw system-monitor-extensions:system
```

RPCs

```
+---x show-system-monitor
  +--ro input
    | +--ro rbridge-id?    common-def:rbridge-id-all-type
  +--ro output
    +--ro switch-status
      +--ro rbridge-id-out?    common-def:rbridge-id-type
      +--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
```

Actions

```
module: brocade-common-def
  +--rw show
    | +--rw system-monitor-extensions:system
    | | +--ro system-monitor-extensions:monitor
    | | | +--ro system-monitor-extensions:input
    | | | | +--ro system-monitor-extensions:rbridge-id?    common-def:rbridge-id-
all-type
    | | | | +--ro system-monitor-extensions:output
    | | | | +--ro system-monitor-extensions:switch-status
    | | | | +--ro system-monitor-extensions:rbridge-id-out?    common-
def:rbridge-id-type
    | | | | +--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
```

brocade-terminal

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

Top-level container

```
module: brocade-terminal
  +--rw terminal-cfg /*drop-node-name*/
    +--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 /*drop-node-name*/
  +--rw threshold-monitor
    +--rw sfp
      | +--rw apply?      supported-config
      | +--rw pause?     empty
      | +--rw policy [policy_name] /*drop-node-name*/
      |   +--rw policy_name string
      |   +--rw area [type area_value] /*drop-node-name*/
      |     +--rw type enumeration
      |     +--rw area_value enumeration /*alt-name:"area"*/
      |     +--rw threshold
      |       | +--rw high-threshold? int32
      |       | +--rw low-threshold?  int32
      |       | +--rw buffer?         int32
      |     +--rw alert
      |       | +--rw above
      |       | | +--rw above-highthresh-action? supported-actions /*alt-
name:"highthresh-action"*/
      |       | +--rw below
      |       | | +--rw below-highthresh-action? supported-actions /*alt-
name:"highthresh-action"*/
      |       | | +--rw below-lowthresh-action? supported-actions /*alt-
name:"lowthresh-action"*/
      |     +--rw security
      |       | +--rw apply?      supported-config
      |       | +--rw pause?     empty
      |       | +--rw policy [sec_policy_name]
      |       |   +--rw sec_policy_name string
      |       |   +--rw area [sec_area_value] /*drop-node-name*/
      |       |     +--rw sec_area_value enumeration /*alt-name:"area"*/
      |       |     +--rw timebase? supported-timebase
      |       |     +--rw threshold
      |       |       | +--rw sec-high-threshold? int32 /*alt-name:"high-threshold"*/
      |       |       | +--rw sec-low-threshold?  int32 /*alt-name:"low-threshold"*/
      |       |       | +--rw sec-buffer?         int32 /*alt-name:"buffer"*/
      |       |     +--rw alert
      |       |       | +--rw above
      |       |       | | +--rw sec-above-highthresh-action? supported-actions /*alt-
name:"highthresh-action"*/
      |       |       | +--rw below
      |       |       | | +--rw sec-below-highthresh-action? supported-actions /*alt-
name:"highthresh-action"*/
      |       |       | | +--rw sec-below-lowthresh-action? supported-actions /*alt-
name:"lowthresh-action"*/
      |     +--rw Cpu
      |       | +--rw poll?      uint32
      |       | +--rw retry?     uint32
      |       | +--rw limit?     uint32
      |       | +--rw actions?  enumeration
      |     +--rw Memory
      |       | +--rw poll?      uint32
      |       | +--rw retry?     uint32
      |       | +--rw limit?     uint32
      |       | +--rw high-limit? uint32
      |       | +--rw low-limit?  uint32
      |       | +--rw actions?  enumeration

```

```

+--rw interface
  +--rw apply?      supported-config
  +--rw pause?      empty
  +--rw policy [policy_name] /*drop-node-name*/
    +--rw policy_name string
    +--rw area [type area_value] /*drop-node-name*/
      +--rw type enumeration
      +--rw area_value enumeration /*alt-name:"area"*/
      +--rw threshold
      | +--rw timebase_value? supported-timebase /*alt-
name:"timebase"*/
      | +--rw high-threshold? int32
      | +--rw low-threshold? int32
      | +--rw buffer? int32
      +--rw alert
        +--rw above
          | +--rw above-highthresh-action? int-supported-actions
          | +--rw above-lowthresh-action? supported-actions
        +--rw below
          | +--rw below-highthresh-action? supported-actions
          | +--rw below-lowthresh-action? supported-actions

```

External augmentations

```

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw threshold-monitor:threshold-monitor
  | +--rw threshold-monitor:sfp
  | | +--rw threshold-monitor:apply? supported-config
  | | +--rw threshold-monitor:pause? empty
  | | +--rw threshold-monitor:policy [policy_name]
  | | | +--rw threshold-monitor:policy_name string
  | | | +--rw threshold-monitor:area [type area_value]
  | | | | +--rw threshold-monitor:type enumeration
  | | | | +--rw threshold-monitor:area_value enumeration
  | | | +--rw threshold-monitor:threshold
  | | | | +--rw threshold-monitor:high-threshold? int32
  | | | | +--rw threshold-monitor:low-threshold? int32
  | | | | +--rw threshold-monitor:buffer? int32
  | | +--rw threshold-monitor:alert
  | | | +--rw threshold-monitor:above
  | | | | +--rw threshold-monitor:above-highthresh-action? supported-
actions
  | | | +--rw threshold-monitor:below
  | | | | +--rw threshold-monitor:below-highthresh-action? supported-
actions
  | | | +--rw threshold-monitor:below-lowthresh-action? supported-
actions
  | +--rw threshold-monitor:security
  | | +--rw threshold-monitor:apply? supported-config
  | | +--rw threshold-monitor:pause? empty
  | | +--rw threshold-monitor:policy [sec_policy_name]
  | | | +--rw threshold-monitor:sec_policy_name string
  | | | +--rw threshold-monitor:area [sec_area_value]
  | | | | +--rw threshold-monitor:sec_area_value enumeration /*alt-
name:"area"*/
  | | | +--rw threshold-monitor:timebase? supported-timebase
  | | | +--rw threshold-monitor:threshold
  | | | | +--rw threshold-monitor:sec-high-threshold? int32 /*alt-
name:"high-threshold"*/
  | | | | +--rw threshold-monitor:sec-low-threshold? int32 /*alt-
name:"low-threshold"*/
  | | | | +--rw threshold-monitor:sec-buffer? int32 /*alt-
name:"buffer"*/
  | | | +--rw threshold-monitor:alert
  | | | | +--rw threshold-monitor:above
  | | | | | +--rw threshold-monitor:sec-above-highthresh-action?
supported-actions /*alt-name:"highthresh-action"*/
  | | | | +--rw threshold-monitor:below
  | | | | | +--rw threshold-monitor:sec-below-highthresh-action?
supported-actions /*alt-name:"highthresh-action"*/
  | | | | +--rw threshold-monitor:sec-below-lowthresh-action?
supported-actions /*alt-name:"lowthresh-action"*/
  | | +--rw threshold-monitor:Cpu
  | | | +--rw threshold-monitor:poll? uint32
  | | | +--rw threshold-monitor:retry? uint32

```

```

| | +--rw threshold-monitor:limit?      uint32
| | +--rw threshold-monitor:actions?   enumeration
| +--rw threshold-monitor:Memory
| | +--rw threshold-monitor:poll?      uint32
| | +--rw threshold-monitor:retry?     uint32
| | +--rw threshold-monitor:limit?     uint32
| | +--rw threshold-monitor:high-limit? uint32
| | +--rw threshold-monitor:low-limit?  uint32
| | +--rw threshold-monitor:actions?   enumeration
| +--rw threshold-monitor:interface
| | +--rw threshold-monitor:apply?     supported-config
| | +--rw threshold-monitor:pause?     empty
| | +--rw threshold-monitor:policy [policy_name]
| | | +--rw threshold-monitor:policy_name string
| | | +--rw threshold-monitor:area [type area_value]
| | | | +--rw threshold-monitor:type      enumeration
| | | | +--rw threshold-monitor:area_value enumeration
| | | +--rw threshold-monitor:threshold
| | | | +--rw threshold-monitor:timebase_value? supported-timebase /
*alt-name:"timebase"*/
| | | +--rw threshold-monitor:high-threshold? int32
| | | +--rw threshold-monitor:low-threshold?  int32
| | | +--rw threshold-monitor:buffer?         int32
| | +--rw threshold-monitor:alert
| | | +--rw threshold-monitor:above
| | | | +--rw threshold-monitor:above-highthresh-action? int-
supported-actions /*alt-name:"highthresh-action"*/
| | | +--rw threshold-monitor:above-lowthresh-action? supported-
actions /*alt-name:"lowthresh-action"*/
| | | +--rw threshold-monitor:below
| | | | +--rw threshold-monitor:below-highthresh-action? supported-
actions /*alt-name:"highthresh-action"*/
| | | +--rw threshold-monitor:below-lowthresh-action? supported-
actions /*alt-name:"lowthresh-action"*/

```

brocade-threshold-monitor-ext

Provides a data model for returning threshold monitor data.

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw defaults
  |   |   +--rw threshold-monitor-extensions:threshold
```

Actions

```
module: brocade-common-def
  +--rw show
  |   +--rw defaults
  |   |   +--rw threshold-monitor-extensions:threshold
  |   |   |   +--ro threshold-monitor-extensions:sfp
  |   |   |   |   +--ro threshold-monitor-extensions:input
  |   |   |   |   |   +--ro threshold-monitor-extensions:type
  |   |   |   |   |   sfp-type
  |   |   |   +--ro threshold-monitor-extensions:interface
  |   |   |   |   +--ro threshold-monitor-extensions:input
  |   |   |   |   |   +--ro threshold-monitor-extensions:type
  |   |   |   |   |   enumeration
  |   |   |   +--ro threshold-monitor-extensions:security
```

Show default threshold and alert values for SFP:

```
module: brocade-common-def
  +--rw show
  |   +--rw defaults
  |   |   +--rw threshold-monitor-extensions:threshold
  |   |   |   +--ro threshold-monitor-extensions:sfp
  |   |   |   |   +--ro threshold-monitor-extensions:input
  |   |   |   |   |   +--ro threshold-monitor-extensions:type
  |   |   |   |   |   sfp-type
```

Show default threshold and alert values for interface:

```
module: brocade-common-def
  +--rw show
  |   +--rw defaults
  |   |   +--rw threshold-monitor-extensions:threshold
  |   |   |   +--ro threshold-monitor-extensions:interface
  |   |   |   |   +--ro threshold-monitor-extensions:input
  |   |   |   |   |   +--ro threshold-monitor-extensions:type
  |   |   |   |   |   enumeration
```

Display default threshold and alert values for security:

```
module: brocade-common-def
  +--rw show
  |   +--rw defaults
  |   |   +--rw threshold-monitor-extensions:threshold
  |   |   |   +--ro threshold-monitor-extensions:security
```

brocade-trilloam

Provides a data model for managing commands that provide Operations, Administration, and Maintenance (OAM) support of Transparent Interconnection of Lots of Links (TRILL).

Specifically, the data model provides custom RPCs for initiating a Layer 2 traceroute and for returning the traceroute results.

Top-level container

```
module: brocade-trilloam
  +--rw trilloam /*drop-node-name*/
```

RPCs

```
+---x l2traceroute
|   +--ro input
|   |   +--ro src-mac          mac:mac-address-type
|   |   +--ro dest-mac         mac:mac-address-type
|   |   +--ro vlan-id          interface:vlan-type
|   |   +--ro rbridge-id       common-def:rbridge-id-type
|   |   +--ro (protocolType)?
|   |   |   +--:(IP)
|   |   |   |   +--ro src-ip          inet:ipv4-address
|   |   |   |   +--ro dest-ip         inet:ipv4-address
|   |   |   |   +--ro l4protocol       enumeration
|   |   |   |   +--ro l4-src-port      inet:port-number
|   |   |   |   +--ro l4-dest-port     inet:port-number
|   |   |   +--:(FCoE)
|   |   +--ro output
|   |   |   +--ro session-id          uint32
|   |   |   +--ro l2traceroutedone    boolean
|   |   |   +--ro reason              string
+---x l2traceroute-result
|   +--ro input
|   |   +--ro session-id      uint32
+--ro output
|   +--ro l2-hop-results
|   |   +--ro l2-hop
|   |   |   +--ro rbridge-id?      common-def:rbridge-id-type
|   |   |   +--ro ingress
|   |   |   |   +--ro interface-type?  enumeration
|   |   |   |   +--ro interface-name?  union
|   |   |   +--ro egress
|   |   |   |   +--ro interface-type?  enumeration
|   |   |   |   +--ro interface-name?  union
|   |   +--ro roundtriptime?      common-def:time-interval-musec
+--ro l2traceroutedone            boolean
+--ro reason                      string
```

Actions

```
module: brocade-trilloam
  +--rw trilloam /*drop-node-name*/
    +--ro l2traceroute
      +--ro input
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf <i>l2traceroutedone</i> was added to <i>output</i> within RPC <i>l2traceroute</i>.

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 /*alt-name:"ip"*/
|   |   +--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 /*alt-name "type"*/
|   +--rw ip
|   |   +--rw interface
|   |   |   +--rw ve /*alt-name "Ve"*/
|   |   |   |   +--rw ve-id? intf:ve-type /*drop-node-name*/
|   |   |   |   +--rw vrrp-extended-group? vrrp:vrid-type
|   |   |   |   +--rw fabric-virtual-gateway?
|   |   +--rw loopback /*alt-name "Loopback"*/
|   |   |   +--rw loopback-id? lo:intf-loopback-port-type /*drop-node-name*/
|   +--rw attach
|   |   +--rw rbridge-id
|   |   |   +--rw rb-add? comn:ui32-range /*alt-name "add"*/
|   |   |   +--rw rb-remove? comn:ui32-range /*alt-name "remove"*/
|   |   +--rw vlan [vid mac]
|   |   |   +--rw vid uint32
|   |   |   +--rw mac mac-address-type
|   +--rw map
|   |   +--rw vlan-vni-mapping [vid] /*drop-node-name*/
|   |   |   +--rw vid vfab-type /*alt-name "vlan"*/
|   |   |   +--rw vni? vni-type
|   |   +--rw vlan
|   |   |   +--rw vni
|   |   |   |   +--rw auto? empty
|   +--rw site [name]
|   |   +--rw name site-id-type
|   |   +--rw tunnel-dst [address] /*alt-name ip*/
|   |   |   +--rw address inet:ip-address
|   |   +--rw extend
|   |   |   +--rw vlan
|   |   |   |   +--rw add? vfab-range-type
|   |   |   |   +--rw remove? vfab-range-type
|   |   +--rw mac-learning
|   |   |   +--rw protocol? mac-learning-proto-type
|   |   +--rw bfd-enable? empty /*alt-name "bfd"*/
|   |   +--rw bfd /*drop-node-name*/
|   |   |   +--rw params /*alt-name "bfd"*/
|   |   |   |   +--rw interval
|   |   |   |   |   +--rw min-tx? bfd-tx-interval-type /*drop-node-name*/
|   |   |   |   |   +--rw min-rx? bfd-rx-interval-type
|   |   |   |   |   +--rw multiplier? bfd-multiplier-type
|   |   |   |   +--rw bfd-shutdown? empty /*alt-name "shutdown"*/
|   |   +--rw shutdown? empty
|   +--rw enable
|   |   +--rw statistics
|   |   |   +--rw stats-direction? direction-type /*alt-name "direction"*/
|   |   |   +--rw vlan-action? enumeration /*alt-name "vlan"*/
|   |   |   +--rw vlan-list? vfab-range-type /*drop-node-name*/
|   +--rw monitor [session]
|   |   +--rw session span:session-type
|   |   +--rw direction? direction-type
|   |   +--rw remote-endpoint? union
|   |   |   +--rw vlan-leaf enumeration /*drop-node-name*/
|   |   |   +--rw vlan-add-remove? enumeration /*drop-node-name*/
|   |   |   +--rw vlan-range? vfab-range-type /*drop-node-name*/
|   +--rw sflow [sflow-profile-name]
|   |   +--rw sflow-profile-name sflow:profile-name-type /*drop-node-name*/

```

```

| | | +--rw sflow-remote-endpoint? union /*alt-name "remote-endpoint"*/
| | | +--rw sflow-vlan-action enumeration /*alt-name "vlan"*/
| | | +--rw sflow-vlan-range? vfab-range-type /*drop-node-name*/
| +--rw access-lists /*drop-node-name*/
| | | +--rw mac
| | | | +--rw in /*drop-node-name*/
| | | | +--rw mac-acl-in-name? mac-access-list:mac-acl-name /*alt-name
"access-group"*/
| | | | +--rw mac-acl-in-dir? empty /*alt-name "in"*/
| | | | +--rw out /*drop-node-name*/
| | | | +--rw mac-acl-out-name? mac-access-list:mac-acl-name /*alt-name
"access-group"*/
| | | | +--rw mac-acl-out-dir? empty /*alt-name "out"*/
| | | | +--rw ipv4 /*alt-name "ip"*/
| | | | +--rw in /*drop-node-name*/
| | | | +--rw ipv4-acl-in-name? ip-access-list:l3-acl-policy-name /*alt-
name "access-group"*/
| | | | +--rw ipv4-acl-in-dir? empty /*alt-name "in"*/
| | | | +--rw out /*drop-node-name*/
| | | | +--rw ipv4-acl-out-name? ip-access-list:l3-acl-policy-name /*alt-
name "access-group"*/
| | | | +--rw ipv4-acl-out-dir? empty /*alt-name "out"*/
| | | | +--rw ipv6
| | | | +--rw in /*drop-node-name*/
| | | | +--rw ipv6-acl-in-name? ip-access-list:l3-acl-policy-name /*alt-
name "access-group"*/
| | | | +--rw ipv6-acl-in-dir? empty /*alt-name "in"*/
| | | | +--rw out /*drop-node-name*/
| | | | +--rw ipv6-acl-out-name? ip-access-list:l3-acl-policy-name /*alt-
name "access-group"*/
| | | | +--rw ipv6-acl-out-dir? empty /*alt-name "out"*/
| +--rw activate? empty
+--rw ovssdb-server [name]
| +--rw name ovssdb-server-name-type
| +--rw port? ovssdb-server-port-type
| +--rw activate? empty

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Leaf <i>bfd-enable</i> was added within <i>overlay-gateway</i> (list) -> <i>site</i> (list). - Container <i>bfd</i> containing leaves <i>min-tx</i>, <i>min-rx</i>, and <i>multiplier</i> was added within container <i>interval</i> under <i>overlay-gateway</i> (list) -> <i>site</i> (list). - Container <i>bfd</i> containing leaf <i>bfd-shutdown</i> was added under <i>overlay-gateway</i> (list) -> <i>site</i> (list).
7.0.0	This YANG module was modified to include the following: - Leaf <i>protocol</i> was added within <i>overlay-gateway</i> (list) -> <i>site</i> (container) -> <i>mac-learning</i> (container). - Container <i>ovssdb-server</i> containing leaves <i>name</i>, <i>port</i>, and <i>activate</i> was added.

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:multiplier? uint32
  |   |   +--rw udld:shutdown?   empty

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

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

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

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

```

brocade-vcs

Provides a data model for managing the Brocade 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
  +--rw vcsmode
  |   +--rw vcs-mode          boolean
  |   +--rw vcs-cluster-mode  boolean
  +--rw local-node
  |   +--rw 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 /*alt-
name:address*/
  |   +--rw virtual-fabric
  |   +--rw vfab-enable?      empty /*alt-name:enable*/

```

RPCs

```

+---x get-last-config-update-time
|   +--ro output
|   |   +--ro last-config-update-time?  uint64
+---x show-vcs
|   +--ro output
|   |   +--ro principal-switch-wnn?      string
|   |   +--ro co-ordinator-wnn?          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-wnn?   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-wnn?    string
|   |   |   +--ro co-ordinator-wnn?       string
|   |   |   +--ro local-switch-wnn?       string
|   |   |   +--ro node-vcs-mode?          boolean
|   |   |   +--ro node-vcs-type?          vcs-cluster-type
|   |   |   +--ro node-vcs-id?            uint32
+---x vcs-rbridge-config
|   +--ro input
|   |   +--ro vcs-id?            uint16
|   |   +--ro rbridge-id?       uint16
+---x vcs-rbridge-context
|   +--ro input
|   |   +--ro rbridge-id?       uint16
+---x no-vcs-rbridge-context
+---x get-last-config-update-time-for-xpaths
|   +--ro input
|   |   +--ro xpath-strings [xpath-string]
|   |   +--ro xpath-string  string
|   +--ro output
|   |   +--ro last-config-update-time-for-xpaths [xpath-string]
|   |   +--ro xpath-string                      string
|   |   +--ro last-config-update-time?          uint64

```

Notifications

```

+---n vcsNodeState
|   +--ro originator-switch-info
|   |   +--ro switchIdentifier?    uint32
|   |   +--ro switchVcsId?        uint32
|   |   +--ro switchIpV4Address?  string
|   |   +--ro switchIpV6Address?  string
|   +--ro nodeRbridgeid?          uint32
|   +--ro nodeState?              enumeration

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Leaf <i>virtual-ipv6-address</i> was added under RPC <i>show-vcs</i>. - RPC <i>vcs-rbridge-config</i> containing leaves <i>vcs-id</i> and <i>rbridge-id</i> was added.
7.0.0	This YANG module was modified to include the following: Added NETCONF notifications section.

brocade-vlan

Provides a data model for managing VLAN classifiers.

Top-level container

```
module: brocade-vlan
  +--rw vlan
    +--rw classifier
      | +--rw rule [ruleid]
      | | +--rw ruleid      uint32
      | | +--rw (class-type)?
      | | | +--:(mac)
      | | | | +--rw mac
      | | | | +--rw address?   vmac-address-type /*drop-node-name*/
      | | | +--:(proto)
      | | | | +--rw proto
      | | | | +--rw proto-val?  union /*drop-node-name*/
      | | | | +--rw encap?      enumeration
      | +--rw group [groupid oper rule-name ruleid]
      | | +--rw groupid      uint32
      | | +--rw oper         rule-opp-type /*drop-node-name*/
      | | +--rw rule-name    rule-name-type
      | | +--rw ruleid      uint32
  +--rw dot1q
    +--rw tag
      +--rw native?   empty
```

External augmentations

```
module: brocade-interface
  +--rw interface
    | +--rw gigabitethernet [name]
    | | +--rw brocade-vlan:vlan
    | | | +--rw brocade-vlan:classifier
    | | | +--rw brocade-vlan:activate
    | | | +--rw brocade-vlan:group [groupid]
    | | | | +--rw brocade-vlan:groupid      uint32
    | | | | +--rw brocade-vlan:vlan?      interface:vlan-type
```

```
module: brocade-interface
  +--rw interface
    | +--rw tengigabitethernet [name]
    | | +--rw brocade-vlan:vlan
    | | | +--rw brocade-vlan:classifier
    | | | +--rw brocade-vlan:activate
    | | | +--rw brocade-vlan:group [groupid]
    | | | | +--rw brocade-vlan:groupid      uint32
    | | | | +--rw brocade-vlan:vlan?      interface:vlan-type
```

```
module: brocade-interface
  +--rw interface
    | +--rw fortygigabitethernet [name]
    | | +--rw brocade-vlan:vlan
    | | | +--rw brocade-vlan:classifier
    | | | +--rw brocade-vlan:activate
    | | | +--rw brocade-vlan:group [groupid]
    | | | | +--rw brocade-vlan:groupid      uint32
    | | | | +--rw brocade-vlan:vlan?      interface:vlan-type
```

```
module: brocade-interface
  +--rw interface
    | +--rw hundredgigabitethernet [name]
    | | +--rw brocade-vlan:vlan
    | | | +--rw brocade-vlan:classifier
    | | | +--rw brocade-vlan:activate
    | | | +--rw brocade-vlan:group [groupid]
    | | | | +--rw brocade-vlan:groupid      uint32
    | | | | +--rw brocade-vlan:vlan?      interface:vlan-type
```

```
module: brocade-interface
```

```

+--rw interface
|   +--rw port-channel [name]
|   |   +--rw brocade-vlan:vlan
|   |   |   +--rw brocade-vlan:classifier
|   |   |   |   +--rw brocade-vlan:activate
|   |   |   |   |   +--rw brocade-vlan:group [groupid]
|   |   |   |   |   |   +--rw brocade-vlan:groupid      uint32
|   |   |   |   |   |   +--rw brocade-vlan:vlan?        interface:vlan-type

```

brocade-vrf

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

External augmentations

```
module: brocade-rbridge
  +--rw vrf:vrf [vrf-name]
  |   +--rw vrf:vrf-name          common-def:vrf-name
  |   +--rw vrf:route-distinguisher? rd-type /*alt-name:"rd"*/
  |   +--rw vrf:vni?              vni-type
  |   +--rw vrf:address-family
  |   |   +--rw vrf:ip /*alt-name:"ipv4"*/
  |   |   |   +--rw vrf:unicast?
  |   |   |   |   +--rw vrf:max-route? uint32
  |   |   |   |   +--rw vrf:max-route? uint32
  |   |   |   |   +--rw vrf:route-target [action target-community]
  |   |   |   |   |   +--rw vrf:action          enumeration
  |   |   |   |   |   +--rw vrf:target-community rt-type
  |   |   |   |   |   +--rw vrf:evpn?          empty
  |   |   +--rw vrf:ipv6
  |   |   |   +--rw vrf:unicast?
  |   |   |   |   +--rw vrf:max-route? uint32
  |   |   |   |   +--rw vrf:route-target [action target-community]
  |   |   |   |   |   +--rw vrf:action          enumeration
  |   |   |   |   |   +--rw vrf:target-community rt-type
  |   |   |   |   |   +--rw vrf:evpn?          empty
  |   +--rw vrf:ip
  |   |   +--rw vrf:vrf-router-id? inet:ipv4-address /*alt-name:"router-id"*/
```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>vni</i> was added under list <i>vrf</i>. • Leaves <i>action</i>, <i>target-community</i>, and <i>evpn</i> were added under <i>address-family</i> (container) -> <i>ip</i> (container) -> <i>unicast</i> (container) -> <i>route-target</i> (list). • Leaves <i>action</i>, <i>target-community</i>, and <i>evpn</i> were added under <i>address-family</i> (container) -> <i>ipv6</i> (container) -> <i>unicast</i> (container) -> <i>route-target</i> (list).

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 /*drop-node-name*/
    +---rw protocol
```

External augmentations

```
module: brocade-rbridge
  +---rw rbridge-id [rbridge-id]
    +---rw rbridge-id
      +---ro brocade-interface:interface
        | +---ro brocade-interface:ve [name] empty
        | | +---ro vrrp:vrrp [vrid version]
        | | | +---ro vrrp:vrid vrid-type
        | | | +---ro vrrp:version uint8
        | | | +---ro vrrp:use-v2-checksum? empty
        | | | +---ro vrrp:virtual-ip [virtual-ipaddr]
        | | | | +---ro vrrp:virtual-ipaddr inet:ipv4-address
        | | | +---ro vrrp:track
        | | | | +---ro vrrp:interface [interface-type interface-name]
        | | | | | +---ro vrrp:interface-type track-iftype
        | | | | | +---ro vrrp:interface-name track-ifname
        | | | | | +---ro vrrp:track-priority? uint8
        | | | | +---ro vrrp:advertisement-interval? uint32
        | | | | +---ro vrrp:enable? empty
        | | | | +---ro vrrp:hold-time? uint32
        | | | | +---ro vrrp:preempt-mode? empty
        | | | | +---ro vrrp:arp
        | | | | | +---ro vrrp:unicast-request
        | | | | | | +---ro vrrp:receive? empty
        | | | | | +---ro vrrp:priority? uint8
        | | | | | +---ro vrrp:description? string
        | | | +---ro vrrp:vrrpe [vrid]
        | | | | +---ro vrrp:vrid vrid-type
        | | | | +---ro vrrp:virtual-mac? enumeration
        | | | | +---ro vrrp:virtual-ip [virtual-ipaddr]
        | | | | | +---ro vrrp:virtual-ipaddr inet:ipv4-address
        | | | | +---ro vrrp:track
        | | | | | +---ro vrrp:network [network-address]
        | | | | | | +---ro vrrp:network-address union
        | | | | | | | +---ro vrrp:network-priority? uint8 /*alt-name "priority"*/
        | | | | | +---ro vrrp:interface [interface-type interface-name]
        | | | | | | +---ro vrrp:interface-type track-iftype
        | | | | | | +---ro vrrp:interface-name track-ifname
        | | | | | | +---ro vrrp:track-priority? uint8
        | | | | | +---ro vrrp:advertisement-interval? uint32
        | | | | | +---ro vrrp:enable? empty
        | | | | | +---ro vrrp:hold-time? uint32
        | | | | | +---ro vrrp:preempt-mode? empty
        | | | | | +---ro vrrp:arp
        | | | | | | +---ro vrrp:unicast-request
        | | | | | | | +---ro vrrp:receive? empty
        | | | | | +---ro vrrp:priority? uint8
        | | | | | +---ro vrrp:description? string
        | | | | | +---ro vrrp:advertise-backup? empty
        | | | | | +---ro vrrp:vrrpe-garp-timer? uint32
        | | | | | +---ro vrrp:backup-advertisement-interval? uint32
        | | | | | +---ro vrrp:short-path-forwarding
        | | | | | | +---ro vrrp:basic? empty
        | | | | | | +---ro vrrp:revert-priority? uint8
        | | | | | +---ro vrrp:advertisement-interval-scale? uint32
        +---rw brocade-interface:protocol
```

```

    |   +--rw vrrp:hide-vrrp-holder /*drop-node-name*/
    |   +--rw vrrp:vrrp?           empty
    |   +--rw vrrp:vrrp-extended?  empty

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id
  +--ro brocade-interface:interface
  |   +--ro brocade-interface:ve [name]
  |   |   +--ro ip-config:ip
  |   |   |   +--ro vrrp:ip-anycast-address [ip-address] /*alt-name "anycast-
address"*/
  |   |   |   |   +--ro vrrp:ip-address      union

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id
  +--ro brocade-interface:interface
  |   +--ro brocade-interface:ve [name]                                empty
  |   |   +--ro ipv6-config:ipv6
  |   |   |   +--ro vrrp:ipv6-anycast-address [ipv6-address] /*alt-name "anycast-
address"*/
  |   |   |   |   +--ro vrrp:ipv6-address      union

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id
  +--rw ip
  |   +--rw vrrp:static-ag-ip-config /*drop-node-name*/
  |   |   +--rw vrrp:anycast-gateway-mac
  |   |   |   +--rw vrrp:ip-anycast-gateway-mac?  mac-access-list:mac-address-
type /*drop-node-name*/; /*alt-name "anycast-gateway-mac"*/
  |   |   |   |   +--rw vrrp:ip-anycast-default-mac?  empty /*alt-name "default-mac"*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id
  +--rw ipv6
  |   +--rw vrrp:static-ag-ipv6-config /*drop-node-name*/
  |   |   +--rw vrrp:anycast-gateway-mac
  |   |   |   +--rw vrrp:ipv6-anycast-gateway-mac?  mac-access-list:mac-address-
type /*drop-node-name*/; /*alt-name "anycast-gateway-mac"*/
  |   |   |   |   +--rw vrrp:ipv6-anycast-default-mac?  empty /*alt-name "default-
mac"*/

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
  +--rw rbridge-id
  +--rw vrrp:vrrp
  |   +--rw vrrp:early-startup?  empty

module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   |   +--rw vrrp:vrrp [vrid version] /*alt-name:"vrrp-group"*/
  |   |   |   +--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] /*drop-node-
name*/
  |   |   |   |   |   +--rw vrrp:interface-type  track-iftyp /*drop-node-name*/
  |   |   |   |   |   +--rw vrrp:interface-name  track-ifname /*drop-node-name*/
  |   |   |   |   |   +--rw vrrp:track-priority?  uint8 /*alt-name:priority*/
  |   |   |   |   |   +--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

module: brocade-interface
+--rw interface
| +--rw tengigabitethernet [name]
| | +--rw vrrp:vrrp [vrid version] /*alt-name:"vrrp-group"*/
| | | +--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] /*drop-node-name*/
| | | | | +--rw vrrp:interface-type track-iftype /*drop-node-name*/
| | | | | +--rw vrrp:interface-name track-ifname /*drop-node-name*/
| | | | | +--rw vrrp:track-priority? uint8 /*alt-name:priority*/
| | | | +--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

module: brocade-interface
+--rw interface
| +--rw fortygigabitethernet [name]
| | +--rw vrrp:vrrp [vrid version] /*alt-name:"vrrp-group"*/
| | | +--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] /*drop-node-name*/
| | | | | +--rw vrrp:interface-type track-iftype /*drop-node-name*/
| | | | | +--rw vrrp:interface-name track-ifname /*drop-node-name*/
| | | | | +--rw vrrp:track-priority? uint8 /*alt-name:priority*/
| | | | +--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

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw vrrp:vrrp [vrid version] /*alt-name:"vrrp-group"*/
| | | +--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] /*drop-node-name*/
| | | | | +--rw vrrp:interface-type track-iftype /*drop-node-name*/
| | | | | +--rw vrrp:interface-name track-ifname /*drop-node-name*/
| | | | | +--rw vrrp:track-priority? uint8 /*alt-name:priority*/
| | | | +--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

```

```

module: brocade-interface
+--rw interface
|   +--rw port-channel [name]
|   |   +--rw vrrp:vrrp [vrid version] /*alt-name:"vrrp-group"*/
|   |   |   +--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] /*drop-node-
name*/
|   |   |   |   |   +--rw vrrp:interface-type track-iftype /*drop-node-name*/
|   |   |   |   |   +--rw vrrp:interface-name track-ifname /*drop-node-name*/
|   |   |   |   |   +--rw vrrp:track-priority? uint8 /*alt-name:priority*/
|   |   |   |   +--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

```

History

Release version	History
6.0.1	This YANG module was modified to include the following: - Container <i>arp</i> containing leaf <i>receive</i> within container <i>unicast-request</i> was added in the augment to <i>/rbridge:rbridge-id/interface:interface/interface:ve</i>. - Container <i>arp</i> containing leaf <i>receive</i> within container <i>unicast-request</i> was added in the augment to <i>/interface:interface-vlan/interface:interface/interface:ve</i>. - Container <i>arp</i> containing leaf <i>receive</i> within container <i>unicast-request</i> was added in the augment to <i>/interface:interface/interface:port-channel</i>. - Container <i>arp</i> containing leaf <i>receive</i> within container <i>unicast-request</i> was added in the augment to <i>/interface:interface/interface:tengigabitethernet</i>. - Container <i>arp</i> containing leaf <i>receive</i> within container <i>unicast-request</i> was added in the augment to <i>/interface:interface/interface:gigabitethernet</i>. - Container <i>arp</i> containing leaf <i>receive</i> within container <i>unicast-request</i> was added in the augment to <i>/interface:interface/interface:fortygigabitethernet</i>. - Container <i>arp</i> containing leaf <i>receive</i> within container <i>unicast-request</i> was added in the augment to <i>/interface:interface/interface:hundredgigabitethernet</i>. - Leaves <i>network-address</i> and <i>network-priority</i> were added within list <i>network</i> under container <i>track</i> in the augment to <i>/rbridge:rbridge-id/interface:interface/interface:ve</i>.

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>use-v2-checksum</i> was added under list <i>vrrp</i> in augment to / interface:interface/interface:port-channel. • Leaves <i>ip-anycast-gateway-mac</i> and <i>ip-anycast-default-mac</i> were added within <i>static-ag-ip-config</i> (container) -> <i>anycast-gateway-mac</i> (container) in augment to /rbridge:rbridge-id/rbridge:ip. • Leaves <i>ipv6-anycast-gateway-mac</i> and <i>ipv6-anycast-default-mac</i> were added within <i>static-ag-ipv6-config</i> (container) -> <i>anycast-gateway-mac</i> (container) in augment to /rbridge:rbridge-id/rbridge:ipv6. • Leaf <i>ip-address</i> was added within list <i>ip-anycast-address</i> in augment to / rbridge:rbridge-id/interface:interface/interface:ve/ip-config:ip. • Leaf <i>ipv6-address</i> was added within list <i>ipv6-anycast-address</i> in augment to /rbridge:rbridge-id/interface:interface/interface:ve/ipv6-config:ipv6. • Type of leaf <i>network-address</i> under list <i>network</i> within container <i>track</i> changed from comn:ipv4-prefix-mask to union. • Leaf <i>early-startup</i> was added with container <i>vrrp</i> in augment to / rbridge:rbridge-id.

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 protocol-vrrpv3 /*drop-node-name*/
    +--rw protocol
```

External augmentations

```
module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw brocade-interface:protocol
      | +--rw vrrpv3:proto-vrrpv3 /*alt-name:"protocol"*/
      |   +--rw vrrpv3:vrrp? empty
      |   +--rw vrrpv3:vrrp-extended? empty

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw vrrpv3:vrrp-rbridge-global /*drop-node-name*/
      +--rw vrrpv3:vrrp-acceptmode-disable? empty

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw rbridge-id uint32
    +--ro brocade-interface:interface
      | +--ro brocade-interface:ve [name]
      |   +--ro ipv6-config:ipv6
      |     +--ro vrrpv3:vrrpv3 [vrid] /*alt-name:"vrrp-group"*/
      |       +--ro vrrpv3:vrid vrid-type
      |       +--ro vrrpv3:use-v2-checksum? empty
      |       +--ro vrrpv3:virtual-ip [virtual-ipaddr]
      |       | +--ro vrrpv3:virtual-ipaddr inet:ipv6-address
      |       +--ro vrrpv3:track
      |         +--ro vrrpv3:interface [interface-type interface-name] /*drop-
node-name*/
      |         +--ro vrrpv3:interface-type track-iftype /*drop-node-
name*/
      |         +--ro vrrpv3:interface-name union /*drop-node-name*/
      |         +--ro vrrpv3:track-priority? uint8 /*alt-name:priority*/
      |         +--ro vrrpv3:advertisement-interval? uint32
      |         +--ro vrrpv3:enable? empty
      |         +--ro vrrpv3:hold-time? uint32
      |         +--ro vrrpv3:preempt-mode? empty
      |         +--ro vrrpv3:priority? uint8
      |         +--ro vrrpv3:description? string
      |       +--ro vrrpv3:vrrpv3e [vrid] /*alt-name:"vrrp-extended-group"*/
      |         +--ro vrrpv3:vrid vrid-type
      |         +--ro vrrpv3:virtual-mac
      |           | +--ro vrrpv3:vmac? empty
      |           +--ro vrrpv3:virtual-ip [virtual-ipaddr]
      |           | +--ro vrrpv3:virtual-ipaddr inet:ipv6-address
      |           +--ro vrrpv3:track
      |             +--ro vrrpv3:network [network-address]
      |             | +--ro vrrpv3:network-address common-def:ipv6-address-
prefix
      |             | +--ro vrrpv3:network-priority? uint8 /*alt-name:priority*/
      |             +--ro vrrpv3:interface [interface-type interface-name] /*drop-
node-name*/
      |             +--ro vrrpv3:interface-type track-iftype /*drop-node-
name*/
      |             +--ro vrrpv3:interface-name union /*drop-node-name*/
      |             +--ro vrrpv3:track-priority? uint8 /*alt-name:priority*/
```

```

| | | +--ro vrrpv3:enable? empty
| | | +--ro vrrpv3:hold-time? uint32
| | | +--ro vrrpv3:preempt-mode? empty
| | | +--ro vrrpv3:priority? uint8
| | | +--ro vrrpv3:description? string
| | | +--ro vrrpv3:advertise-backup? empty
| | | +--ro vrrpv3:nd-advertisement-timer? uint32
| | | +--ro vrrpv3:advertisement-interval-scale? uint32
| | | +--ro vrrpv3:backup-advertisement-interval? uint32
| | | +--ro vrrpv3:vrrpe-advertisement-interval? uint32 /
*altname:"advertisement-interval"*/
| | | +--ro vrrpv3:short-path-forwarding
| | | +--ro vrrpv3:basic? empty /*drop-node-name*/
| | | +--ro vrrpv3:revert-priority? uint8

module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
+--rw brocade-interface:protocol
| +--rw vrrpv3:proto-vrrpv3 /*drop-node-name*/; /*alt-name:"protocol"*/
| | +--rw vrrpv3:vrrp? empty
| | +--rw vrrpv3:vrrp-extended? empty

module: brocade-interface
+--rw interface
| +--rw gigabitethernet [name]
| | +--rw ipv6
| | | +--rw vrrpv3:vrrpv3-group [vrid] /*alt-name:"vrrp-group"*/
| | | | +--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] /*drop-node-
name*/
| | | | | | +--rw vrrpv3:interface-type track-iftype /*drop-node-name*/
| | | | | | +--rw vrrpv3:interface-name union /*drop-node-name*/
| | | | | | +--rw vrrpv3:track-priority? uint8 /*alt-name:priority*/
| | | | | +--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] /*alt-name:"vrrp-extended-group"*/
| | | | | +--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] /*drop-node-
name*/
| | | | | | +--rw vrrpv3:interface-type track-iftype /*drop-node-name*/
| | | | | | +--rw vrrpv3:interface-name union /*drop-node-name*/
| | | | | | +--rw vrrpv3:track-priority? uint8 /*alt-name:priority*/
| | | | | +--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:virtual-mac? macAddr
| | | | | +--rw vrrpv3:advertisement-interval-scale? uint32
| | | | | +--rw vrrpv3:backup-advertisement-interval? uint32
| | | | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32 /*alt-
name:"advertisement-interval"*/
| | | | | +--rw vrrpv3:short-path-forwarding
| | | | | +--rw vrrpv3:basic? empty
| | | | | +--rw vrrpv3:revert-priority? uint8

module: brocade-interface
+--rw interface
| +--rw tengigabitethernet [name]
| | +--rw ipv6
| | | +--rw vrrpv3:vrrpv3-group [vrid] /*alt-name:"vrrp-group"*/
| | | | +--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] /*drop-node-
name*/
| | | | | | +--rw vrrpv3:interface-type track-iftype /*drop-node-name*/
| | | | | | +--rw vrrpv3:interface-name union /*drop-node-name*/
| | | | | | +--rw vrrpv3:track-priority? uint8 /*alt-name:priority*/
| | | | | +--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] /*alt-name:"vrrp-extended-group"*/
| | | | | +--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] /*drop-node-
name*/
| | | | | | | +--rw vrrpv3:interface-type track-iftype /*drop-node-name*/
| | | | | | | +--rw vrrpv3:interface-name union /*drop-node-name*/
| | | | | | | +--rw vrrpv3:track-priority? uint8 /*alt-name:priority*/
| | | | | | +--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:virtual-mac? macAddr
| | | | | | +--rw vrrpv3:advertisement-interval-scale? uint32
| | | | | | +--rw vrrpv3:backup-advertisement-interval? uint32
| | | | | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32 /*alt-
name:"advertisement-interval"*/
| | | | | +--rw vrrpv3:short-path-forwarding
| | | | | | +--rw vrrpv3:basic? empty
| | | | | | +--rw vrrpv3:revert-priority? uint8

module: brocade-interface
+--rw interface
| +--rw fortygigabitethernet [name]
| | +--rw ipv6
| | | +--rw vrrpv3:vrrpv3-group [vrid] /*alt-name:"vrrp-group"*/
| | | | +--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] /*drop-node-
name*/
| | | | | | +--rw vrrpv3:interface-type track-iftype /*drop-node-name*/
| | | | | | +--rw vrrpv3:interface-name union /*drop-node-name*/
| | | | | | +--rw vrrpv3:track-priority? uint8 /*alt-name:priority*/
| | | | | +--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] /*alt-name:"vrrp-extended-group"*/
| | | | | +--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] /*drop-node-
name*/
| | | | | | | +--rw vrrpv3:interface-type track-iftype /*drop-node-name*/
| | | | | | | +--rw vrrpv3:interface-name union /*drop-node-name*/
| | | | | | | +--rw vrrpv3:track-priority? uint8 /*alt-name:priority*/
| | | | | | +--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:virtual-mac?                  macAddr
| | | +--rw vrrpv3:advertisement-interval-scale? uint32
| | | +--rw vrrpv3:backup-advertisement-interval? uint32
| | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32 /*alt-
name:"advertisement-interval"*/
| | | +--rw vrrpv3:short-path-forwarding
| | | +--rw vrrpv3:basic?                        empty
| | | +--rw vrrpv3:revert-priority?             uint8

module: brocade-interface
+--rw interface
| +--rw hundredgigabitethernet [name]
| | +--rw ipv6
| | | +--rw vrrpv3:vrrpv3-group [vrid] /*alt-name:"vrrp-group"*/
| | | | +--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] /*drop-node-
name*/
| | | | | | +--rw vrrpv3:interface-type    track-iftype /*drop-node-name*/
| | | | | | +--rw vrrpv3:interface-name    union /*drop-node-name*/
| | | | | | +--rw vrrpv3:track-priority?   uint8 /*alt-name:priority*/
| | | | | | +--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] /*alt-name:"vrrp-extended-group"*/
| | | | | | +--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] /*drop-node-
name*/
| | | | | | | | +--rw vrrpv3:interface-type    track-iftype /*drop-node-name*/
| | | | | | | | +--rw vrrpv3:interface-name    union /*drop-node-name*/
| | | | | | | | +--rw vrrpv3:track-priority?   uint8 /*alt-name:priority*/
| | | | | | | | +--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 /*alt-
name:"advertisement-interval"*/
| | | | | | | | +--rw vrrpv3:short-path-forwarding
| | | | | | | | +--rw vrrpv3:basic?            empty
| | | | | | | | +--rw vrrpv3:revert-priority?   uint8

module: brocade-interface
+--rw interface
| +--rw port-channel [name]
| | +--rw ipv6
| | | +--rw vrrpv3:hide-vrrpv3-holder /*drop-node-name*/
| | | +--rw vrrpv3:vrrpv3 [vrid] /*alt-name:"vrrp-group"*/
| | | | +--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] /*drop-
node-name*/
| | | | | | +--rw vrrpv3:interface-type    track-iftype /*drop-node-name*/
| | | | | | +--rw vrrpv3:interface-name    union /*drop-node-name*/
| | | | | | +--rw vrrpv3:track-priority?   uint8 /*alt-name:priority*/
| | | | | | +--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

History

Release version	History
6.0.1	This YANG module was modified to include the following: Leaves <i>network-address</i> and <i>network-priority</i> were added within list <i>network</i> under container <i>track</i>.
7.0.0	This YANG module was modified to include the following: - Support for interface <i>hundredgigabitethernet</i>. - Leaf <i>use-v2-checksum</i> was added under list <i>vrrpv3</i> in augment to / interface:interface/interface:port-channel/interface:ipv6.

brocade-vswitch

Provides a data model to manage virtual switch features.

Top-level container

```
module: brocade-vswitch
  +--rw vcenter [id]
    +--rw id common-def:name-string32
    +--rw credentials /*drop-node-name*/
      | +--rw url? vcenter-url
      | +--rw username? string
      | +--rw password? string
      | +--rw vrf-name? string /*alt-name "use-vrf"*/
    +--rw activate? empty
    +--rw interval? uint32
    +--rw discovery
      +--rw ignore-delete-all-response
      +--rw ignore-value? uint32 /*drop-node-name*/
      +--rw always? empty
```

External augmentations

```
module: brocade-common-def
  +--rw show
    | +--rw vswitch:vnetwork
```

RPCs

```
+--x get-vnetwork-hosts
| +--ro input
| | +--ro vcenter string
| | +--ro datacenter? string
| | +--ro name? string
| | +--ro last-rcvd-instance? uint32
| +--ro output
| | +--ro vnetwork-hosts
| | | +--ro name? string
| | | +--ro vmnic? string
| | | +--ro datacenter? string
| | | +--ro mac? yang:mac-address
| | | +--ro vswitch? string
| | | +--ro interface-type? enumeration
| | | +--ro interface-name? union
| | +--ro has-more? boolean
| | +--ro instance-id? uint32
+--x get-vnetwork-vms
| +--ro input
| | +--ro name? string
| | +--ro vcenter string
| | +--ro datacenter? string
| | +--ro last-rcvd-instance? uint32
| +--ro output
| | +--ro vnetwork-vms
| | | +--ro name? string
| | | +--ro mac? yang:mac-address
| | | +--ro datacenter? string
| | | +--ro ip? string
| | | +--ro host-nn? string
| | +--ro has-more? boolean
| | +--ro instance-id? uint32
+--x get-vnetwork-dvpgs
| +--ro input
| | +--ro name? string
| | +--ro vcenter string
| | +--ro datacenter? string
| | +--ro last-rcvd-instance? uint32
| +--ro output
| | +--ro vnetwork-dvpgs
```

```

|         | +---ro name?          string
|         | +---ro datacenter?    string
|         | +---ro dvs-nn?        string
|         | +---ro vlan?          string
|         | +---ro has-more?      boolean
|         | +---ro instance-id?   uint32
+---x get-vnetwork-dvs
|   +---ro input
|   |   +---ro name?              string
|   |   +---ro vcenter            string
|   |   +---ro datacenter?        string
|   |   +---ro last-rcvd-instance? uint32
|   +---ro output
|   |   +---ro vnetwork-dvs
|   |   |   +---ro name?          string
|   |   |   +---ro host?          string
|   |   |   +---ro datacenter?    string
|   |   |   +---ro pnic?          string
|   |   |   +---ro interface-type? enumeration
|   |   |   +---ro interface-name? union
|   |   |   +---ro has-more?      boolean
|   |   |   +---ro instance-id?   uint32
+---x get-vnetwork-vswitches
|   +---ro input
|   |   +---ro name?              string
|   |   +---ro vcenter            string
|   |   +---ro datacenter?        string
|   |   +---ro last-rcvd-instance? uint32
|   +---ro output
|   |   +---ro vnetwork-vswitches
|   |   |   +---ro name?          string
|   |   |   +---ro host?          string
|   |   |   +---ro datacenter?    string
|   |   |   +---ro pnic?          string
|   |   |   +---ro interface-type? enumeration
|   |   |   +---ro interface-name? union
|   |   |   +---ro has-more?      boolean
|   |   |   +---ro instance-id?   uint32
+---x get-vnetwork-portgroups
|   +---ro input
|   |   +---ro name?              string
|   |   +---ro vcenter            string
|   |   +---ro datacenter?        string
|   |   +---ro last-rcvd-instance? uint32
|   +---ro output
|   |   +---ro vnetwork-pgs
|   |   |   +---ro name?          string
|   |   |   +---ro datacenter?    string
|   |   |   +---ro vs-nn?         string
|   |   |   +---ro vlan?          string
|   |   |   +---ro host-nn?       string
|   |   |   +---ro has-more?      boolean
|   |   |   +---ro instance-id?   uint32
+---x get-vmppolicy-macaddr
|   +---ro input
|   |   +---ro mac?                yang:mac-address
|   |   +---ro vcenter            string
|   |   +---ro datacenter?        string
|   |   +---ro last-rcvd-instance? uint32
|   +---ro output
|   |   +---ro vmppolicy-macaddr
|   |   |   +---ro mac?            yang:mac-address
|   |   |   +---ro name?          string
|   |   |   +---ro datacenter?    string
|   |   |   +---ro dvpg-nn?       string
|   |   |   +---ro port-nn?       string
|   |   |   +---ro port-prof?     string
|   |   |   +---ro has-more?      boolean
|   |   |   +---ro instance-id?   uint32

```

Actions

Display virtual infrastructure information:

```

module: brocade-common-def
+---rw show

```

```

|   +--rw vswitch:vnetwork
|   |   +--ro vswitch:datacenter
|   |   |   +--ro vswitch:input
|   |   |   |   +--ro vswitch:vcenter      string
|   |   |   |   +--ro (op)?
|   |   |   |   +--:(id)
|   |   |   +--ro vswitch:id?              string

```

Display discovered hosts:

```

module: brocade-common-def
+--rw show
|   +--rw vswitch:vnetwork
|   |   +--ro vswitch:hosts
|   |   |   +--ro vswitch:input
|   |   |   |   +--ro vswitch:vcenter      string
|   |   |   |   +--ro vswitch:datacenter?  string
|   |   |   |   +--ro (op)?
|   |   |   |   +--:(name)
|   |   |   |   +--ro vswitch:name?        string
|   |   |   +--ro vswitch:output
|   |   |   |   +--ro vswitch:vnetwork-hosts
|   |   |   |   +--ro vswitch:name?        string
|   |   |   |   +--ro vswitch:vmnic?       string
|   |   |   |   +--ro vswitch:mac?         yang:mac-address
|   |   |   |   +--ro vswitch:vswitch?    string
|   |   |   |   +--ro vswitch:interface-type? enumeration
|   |   |   |   +--ro vswitch:interface-name? union

```

Display discovered VMs:

```

module: brocade-common-def
+--rw show
|   +--rw vswitch:vnetwork
|   |   +--ro vswitch:vms
|   |   |   +--ro vswitch:input
|   |   |   |   +--ro vswitch:vcenter      string
|   |   |   |   +--ro vswitch:datacenter?  string
|   |   |   |   +--ro (op)?
|   |   |   |   +--:(name)
|   |   |   |   +--ro vswitch:name?        string
|   |   |   +--ro vswitch:output
|   |   |   |   +--ro vswitch:vnetwork-vms
|   |   |   |   +--ro vswitch:name?        string
|   |   |   |   +--ro vswitch:mac?         yang:mac-address
|   |   |   |   +--ro vswitch:ip?         inet:ip-address
|   |   |   |   +--ro vswitch:host-nn?    string

```

Display discovered distributed virtual port-groups:

```

module: brocade-common-def
+--rw show
|   +--rw vswitch:vnetwork
|   |   +--ro vswitch:dvpgs
|   |   |   +--ro vswitch:input
|   |   |   |   +--ro vswitch:vcenter      string
|   |   |   |   +--ro vswitch:datacenter?  string
|   |   |   |   +--ro (op)?
|   |   |   |   +--:(name)
|   |   |   |   +--ro vswitch:name?        string
|   |   |   +--ro vswitch:output
|   |   |   |   +--ro vswitch:vnetwork-dvpgs
|   |   |   |   +--ro vswitch:name?        string
|   |   |   |   +--ro vswitch:dvs-nn?     string
|   |   |   |   +--ro vswitch:vlan?       string

```

Display discovered distributed virtual switches:

```

module: brocade-common-def
+--rw show
|   +--rw vswitch:vnetwork
|   |   +--ro vswitch:dvs
|   |   |   +--ro vswitch:input
|   |   |   |   +--ro vswitch:vcenter      string
|   |   |   |   +--ro vswitch:datacenter?  string
|   |   |   |   +--ro (op)?
|   |   |   |   +--:(name)
|   |   |   |   +--ro vswitch:name?        string
|   |   |   +--ro vswitch:output

```

```

| | | +--ro vswitch:vnetwork-dvs
| | | +--ro vswitch:name?      string
| | | +--ro vswitch:host?     string
| | | +--ro vswitch:pnict?    string
| | | +--ro vswitch:interface-type? enumeration
| | | +--ro vswitch:interface-name? union

```

Display discovered standard virtual switches:

```

module: brocade-common-def
+--rw show
| +--rw vswitch:vnetwork
| | +--ro vswitch:vss
| | | +--ro vswitch:input
| | | | +--ro vswitch:vcenter      string
| | | | +--ro vswitch:datacenter? string
| | | | +--ro (op)?
| | | | +--:(name)
| | | | +--ro vswitch:name?      string
| | | +--ro vswitch:output
| | | | +--ro vswitch:vnetwork-vswitches
| | | | +--ro vswitch:name?      string
| | | | +--ro vswitch:host?     string
| | | | +--ro vswitch:pnict?    string
| | | | +--ro vswitch:interface-type? enumeration
| | | | +--ro vswitch:interface-name? union

```

Display discovered standard port-groups:

```

module: brocade-common-def
+--rw show
| +--rw vswitch:vnetwork
| | +--ro vswitch:pgs
| | | +--ro vswitch:input
| | | | +--ro vswitch:vcenter      string
| | | | +--ro vswitch:datacenter? string
| | | | +--ro (op)?
| | | | +--:(name)
| | | | +--ro vswitch:name?      string
| | | +--ro vswitch:output
| | | | +--ro vswitch:vnetwork-pgs
| | | | +--ro vswitch:name?      string
| | | | +--ro vswitch:vs-nn?     string
| | | | +--ro vswitch:vlan?     string
| | | | +--ro vswitch:host-nn?  string

```

Display vnics/vmknics to port-group to port-profile association:

```

module: brocade-common-def
+--rw show
| +--rw vswitch:vnetwork
| | +--rw vswitch:vmppolicy
| | | +--ro vswitch:macaddr
| | | | +--ro vswitch:input
| | | | | +--ro vswitch:vcenter      string
| | | | | +--ro vswitch:datacenter? string
| | | | | +--ro (op)?
| | | | | +--:(mac)
| | | | | +--ro vswitch:mac?      vcenter-mac-address
| | | +--ro vswitch:output
| | | | +--ro vswitch:vmppolicy-macaddr
| | | | | +--ro vswitch:mac?      yang:mac-address
| | | | | +--ro vswitch:name?     string
| | | | | +--ro vswitch:dvpgr-nn? string
| | | | | +--ro vswitch:port-nn?  string
| | | | | +--ro vswitch:port-prof? string

```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf <i>vrf-name</i> was added within container <i>credentials</i>. • Type of leaf <i>mac</i> under choice <i>op</i> was changed to <i>vcenter-mac-address</i> under <i>input</i> within container <i>vmpolicy</i>.

brocade-xstp

Provides a data model for managing the Spanning Tree Protocols globally and for each interface.

The data model supports Spanning Tree Protocol (STP), Rapid STP, Multiple Spanning Tree Protocol (MSTP), Per-VLAN Spanning Tree (PVST), and Rapid PVST.

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw gigabitethernet [name]
  |   |   +--rw xstp:bpdu-drop
  |   |   |   +--rw xstp:enable?          empty
  |   |   |   +--rw xstp:direction?       enumeration /*drop-node-name*/
  |   |   +--rw xstp:tunnel
  |   |   |   +--rw xstp:tagged-ieee-bpdu? empty
  |   |   +--rw xstp:spanning-tree
  |   |   |   +--rw xstp:autoedge?        empty
  |   |   |   +--rw xstp:cost?            uint32
  |   |   |   +--rw xstp:portfast
  |   |   |   |   +--rw xstp:portfastbasic? empty /*drop-node-name*/
  |   |   |   |   +--rw xstp:bpdu-guard?   empty
  |   |   |   |   +--rw xstp:bpdu-filter?  empty
  |   |   |   +--rw xstp:edgeport
  |   |   |   |   +--rw xstp:edgeportbasic? empty /*drop-node-name*/
  |   |   |   |   +--rw xstp:bpdu-guard?   empty
  |   |   |   |   +--rw xstp:bpdu-filter?  empty
  |   |   |   +--rw xstp:guard
  |   |   |   |   +--rw xstp:root?         empty
  |   |   |   +--rw xstp:hello-time?      uint32
  |   |   |   +--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 tengigabitethernet [name]
  |   |   +--rw xstp:bpdu-drop
  |   |   |   +--rw xstp:enable?          empty
  |   |   |   +--rw xstp:direction?       enumeration /*drop-node-name*/
  |   |   +--rw xstp:tunnel
  |   |   |   +--rw xstp:tagged-ieee-bpdu? empty
  |   |   +--rw xstp:spanning-tree
  |   |   |   +--rw xstp:autoedge?        empty
  |   |   |   +--rw xstp:cost?            uint32
  |   |   |   +--rw xstp:portfast
  |   |   |   |   +--rw xstp:portfastbasic? empty /*drop-node-name*/
  |   |   |   |   +--rw xstp:bpdu-guard?   empty
  |   |   |   |   +--rw xstp:bpdu-filter?  empty
  |   |   |   +--rw xstp:edgeport
  |   |   |   |   +--rw xstp:edgeportbasic? empty /*drop-node-name*/
  |   |   |   |   +--rw xstp:bpdu-guard?   empty
  |   |   |   |   +--rw xstp:bpdu-filter?  empty
  |   |   |   +--rw xstp:guard
  |   |   |   |   +--rw xstp:root?         empty
  |   |   |   +--rw xstp:hello-time?      uint32
  |   |   |   +--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 fortygigabitethernet [name]
|   +--rw xstp:bpdu-drop
|   |   +--rw xstp:enable?      empty
|   |   +--rw xstp:direction?   enumeration /*drop-node-name*/
+--rw xstp:tunnel
|   +--rw xstp:tagged-ieee-bpdu? empty
+--rw xstp:spanning-tree
|   +--rw xstp:autoedge?        empty
|   +--rw xstp:cost?            uint32
|   +--rw xstp:portfast
|   |   +--rw xstp:portfastbasic? empty /*drop-node-name*/
|   |   +--rw xstp:bpdu-guard?    empty
|   |   +--rw xstp:bpdu-filter?   empty
+--rw xstp:edgeport
|   +--rw xstp:edgeportbasic?    empty /*drop-node-name*/
|   +--rw xstp:bpdu-guard?       empty
|   +--rw xstp:bpdu-filter?      empty
+--rw xstp:guard
|   +--rw xstp:root?            empty
+--rw xstp:hello-time?          uint32
+--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 hundredgigabitethernet [name]
|   +--rw xstp:bpdu-drop
|   |   +--rw xstp:enable?      empty
|   |   +--rw xstp:direction?   enumeration /*drop-node-name*/
+--rw xstp:spanning-tree
|   +--rw xstp:autoedge?        empty
|   +--rw xstp:cost?            uint32
|   +--rw xstp:portfast
|   |   +--rw xstp:portfastbasic? empty /*drop-node-name*/
|   |   +--rw xstp:bpdu-guard?    empty
|   |   +--rw xstp:bpdu-filter?   empty
+--rw xstp:edgeport
|   +--rw xstp:edgeportbasic?    empty /*drop-node-name*/
|   +--rw xstp:bpdu-guard?       empty
|   +--rw xstp:bpdu-filter?      empty
+--rw xstp:guard
|   +--rw xstp:root?            empty
+--rw xstp:hello-time?          uint32
+--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          uint8
| | | +--rw xstp:cost?      uint32
| | | +--rw xstp:priority?  uint32
| | | +--rw xstp:restricted-role? empty
| | | +--rw xstp:restricted-tcn? empty
+--rw protocol
+--rw xstp:spanning-tree
+--rw xstp:stp?
| +--rw xstp:description?    string
| +--rw xstp:bridge-priority? uint32
| +--rw xstp:error-disable-timeout
| | +--rw xstp:enable?      empty
| | +--rw xstp:interval?    uint32
| +--rw xstp:forward-delay?  uint32
| +--rw xstp:max-age?        uint32
| +--rw xstp:port-channel
| | +--rw xstp:path-cost?    enumeration
| +--rw xstp:shutdown?      empty
| +--rw xstp:hello-time?    uint32
+--rw xstp:rstp?
| +--rw xstp:description?    string
| +--rw xstp:bridge-priority? uint32
| +--rw xstp:error-disable-timeout
| | +--rw xstp:enable?      empty
| | +--rw xstp:interval?    uint32
| +--rw xstp:forward-delay?  uint32
| +--rw xstp:max-age?        uint32
| +--rw xstp:port-channel
| | +--rw xstp:path-cost?    enumeration
| +--rw xstp:shutdown?      empty
| +--rw xstp:hello-time?    uint32
| +--rw xstp:transmit-holdcount? uint32
+--rw xstp:pvst?
| +--rw xstp:description?    string
| +--rw xstp:bridge-priority? uint32
| +--rw xstp:error-disable-timeout
| | +--rw xstp:enable?      empty
| | +--rw xstp:interval?    uint32
| +--rw xstp:forward-delay?  uint32
| +--rw xstp:max-age?        uint32
| +--rw xstp:port-channel
| | +--rw xstp:path-cost?    enumeration
| +--rw xstp:shutdown?      empty
| +--rw xstp:hello-time?    uint32
| +--rw xstp:vlan [id]
| | +--rw xstp:id          uint32
| | +--rw xstp:priority?    uint32
| | +--rw xstp:forward-delay? uint32
| | +--rw xstp:max-age?     uint32
| | +--rw xstp:hello-time?  uint32
+--rw xstp:rpvst?
| +--rw xstp:description?    string
| +--rw xstp:bridge-priority? uint32
| +--rw xstp:error-disable-timeout
| | +--rw xstp:enable?      empty
| | +--rw xstp:interval?    uint32
| +--rw xstp:forward-delay?  uint32
| +--rw xstp:max-age?        uint32
| +--rw xstp:port-channel
| | +--rw xstp:path-cost?    enumeration
| +--rw xstp:shutdown?      empty
| +--rw xstp:hello-time?    uint32
| +--rw xstp:vlan [id]
| | +--rw xstp:id          uint32
| | +--rw xstp:priority?    uint32
| | +--rw xstp:forward-delay? uint32
| | +--rw xstp:max-age?     uint32
| | +--rw xstp:hello-time?  uint32
| +--rw xstp:transmit-holdcount? uint32
+--rw xstp:mstp?
+--rw xstp:description?    string
+--rw xstp:bridge-priority? uint32

```

```

+--rw xstp:error-disable-timeout
| +--rw xstp:enable?      empty
| +--rw xstp:interval?    uint32
+--rw xstp:forward-delay?      uint32
+--rw xstp:max-age?            uint32
+--rw xstp:port-channel
| +--rw xstp:path-cost?    enumeration
+--rw xstp:shutdown?        empty
+--rw xstp:hello-time?      uint32
+--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 port-channel [name]
| +--rw xstp:bpdu-drop
| | +--rw xstp:enable?      empty
| | +--rw xstp:direction?  enumeration /*drop-node-name*/
+--rw xstp:tunnel
| +--rw xstp:tagged-ieee-bpdu? empty
+--rw xstp:spanning-tree
| +--rw xstp:autoedge?      empty
| +--rw xstp:cost?          uint32
+--rw xstp:portfast
| +--rw xstp:portfastbasic? empty /*drop-node-name*/
| +--rw xstp:bpdu-guard?    empty
| +--rw xstp:bpdu-filter?   empty
+--rw xstp:edgeport
| +--rw xstp:edgeportbasic? empty /*drop-node-name*/
| +--rw xstp:bpdu-guard?    empty
| +--rw xstp:bpdu-filter?   empty
+--rw xstp:guard
| +--rw xstp:root?         empty
+--rw xstp:hello-time?     uint32
+--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 interface-vlan
| +--rw interface
| | +--rw xstp:spanning-tree
| | +--rw xstp:stp-shutdown? empty /*alt-name:shutdown*/

```

brocade-xstp-ext

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

RPCs

```

+---x get-stp-brief-info
+--ro input
|   +---ro (request-type)?
|   |   +---:(getnext-request)
|   |   |   +---ro last-rcvd-instance
|   |   |   |   +---ro 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
+---ro input
| +---ro (request-type)?
|   +---:(getnext-request)
|   +---ro last-rcvd-instance
|   +---ro 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

```

brocade-zone

Provides a data model for configuring zones and retrieving operational zoning information.

Top-level container

```
module: brocade-zone
  +--rw zoning
    +--rw defined-configuration
      | +--rw cfg [cfg-name]
      | | +--rw cfg-name      string
      | | +--rw member-zone [zone-name]
      | | | +--rw zone-name    string
      | +--rw zone [zone-name]
      | | +--rw zone-name      string
      | | +--rw member-entry [entry-name]
      | | | +--rw entry-name   string
      | +--rw alias [alias-name]
      | | +--rw alias-name     string
      | | +--rw member-entry [alias-entry-name]
      | | | +--rw alias-entry-name string
    +--rw enabled-configuration
      +--rw cfg-name?      string
      +--rw default-zone-access? default-zone-access-type
      +--rw cfg-action?    cfg-action-type
```

External augmentations

```
module: brocade-common-def
  +--rw show
  | +--rw brocade-zone:zoning
```

RPCs

```
+--x show-zoning-enabled-configuration
  +--ro input
  | +--ro (request-type)?
  | | +--ro (get-request)
  | | | +--ro zone-name-pattern? string
  | | +--ro (get-next-request)
  | | | +--ro last-rcvd-zone-name? string
  +--ro output
  | +--ro enabled-configuration
  | | +--ro cfg-name?      string
  | | +--ro enabled-zone [zone-name]
  | | | +--ro zone-name    string
  | | | +--ro member-entry [entry-name]
  | | | +--ro entry-name   string
  | +--ro has-more?      boolean
```

Actions

```
module: brocade-common-def
  +--rw show
  | +--rw brocade-zone:zoning
  | | +--ro brocade-zone:operation-info
  | | +--ro brocade-zone:input
  | | +--ro brocade-zone:output
  | | | +--ro brocade-zone:db-max?      uint32
  | | | +--ro brocade-zone:db-avail?    uint32
  | | | +--ro brocade-zone:db-committed? uint32
  | | | +--ro brocade-zone:db-transaction? uint32
  | | | +--ro brocade-zone:transaction-token? uint32
  | | | +--ro brocade-zone:last-zone-changed-timestamp? string
  | | | +--ro brocade-zone:last-zone-committed-timestamp? string
```


Custom RPCs

The following table lists the custom RPCs, their locations, and a brief synopsis.

TABLE 5 Custom RPCs

RPC name	Host module	Synopsis
activate-status	brocade-firmware	Returns firmware activation status.
bnacfgcmd	brocade-ras	Copies configuration data to and from the system.
bnacfgcmd-status	brocade-ras	Returns the status of the last configuration command.
dad-status	brocade-firmware	Displays the current status of firmware download.
fcoe-get-interface	brocade-fcoe-ext	Returns operational state details for an FCoE interface.
fcoe-get-login	brocade-fcoe-ext	Returns the login information about FCoE end nodes that have logged in to the managed device.
firmware-download	brocade-firmware	Returns the firmware information.
fwdl-status	brocade-firmware	Returns the status of the firmware download operation.
get-arp	brocade-arp	Returns ARP entries of the managed entity.
get-contained-in-ID	brocade-entity	Returns the slot or container name or ID, where the managed device is "contained in".
get-flexports	brocade-hardware	Retrieves the list of flexports.
get-interface-detail	brocade-interface-ext	Returns operational details of all the possible interfaces of the managed entity. Use this RPC to discover basic characteristics of all the interfaces in the system. Each sublayer below the internetwork layer of a network interface is considered to be an interface.
get-interface-switchport	brocade-interface-ext	Returns switch-port or Layer 2 characteristics of all the interfaces in the managed device.
get-ip-interface	brocade-interface-ext	Returns brief details of all interfaces, loopback and VE interface details of particular managed entity. PHY interface details of particular managed entity cannot be given.

TABLE 5 Custom RPCs (Continued)

RPC name	Host module	Synopsis
get-last-config-update-time	brocade-vcs	Returns the time stamp of the last configuration change done on the managed device.
get-last-config-update-time-for-xpaths	brocade-vcs	Returns the time stamp of the last configuration change done on the managed device for Xpaths.
get-ldp-neighbor-detail	brocade-ldp-ext	Returns the details of all the neighboring interfaces of the managed entity.
get-mac-acl-for-intf	brocade-mac-access-list	Returns information about the MAC ACL applied on the specified interfaces.
get-mac-address-table	brocade-mac-address-table	Returns the MAC address table for a given MAC address.
get-media-detail	brocade-interface-ext	Returns the media properties of all the interfaces of the managed entity.
get-nameserver-detail	brocade-nameserver	Displays detailed information of the devices stored in the Name Server database.
get-netconf-client-capabilities	brocade-netconf-ext	Returns the vendor information for all NETCONF clients.
get-port-channel-detail	brocade-lag	Returns link aggregation control configuration parameters for all the port-channels in the system.
get-portchannel-info-by-intf	brocade-lag	Returns link aggregation control configuration parameters for a given aggregation port in the system.
get-port-profile-for-intf	brocade-port-profile-ext	Returns the port-profiles applied on ports and port-channels.
get-port-profile-status	brocade-port-profile-ext	Returns the status of a port-profile.
get-stp-brief-info	brocade-xstp-ext	Returns Spanning Tree Protocol (STP) information.
get-stp-mst-detail	brocade-xstp-ext	Returns Multiple Spanning Tree Protocol (MSTP) details.
get-system-uptime	brocade-system	Returns the time since the managed entity was last reinitialized.
get-vcs-details	brocade-vcs	Retains detailed VCS fabric information.
get-vlan-brief	brocade-interface-ext	Returns operational data for a given VLAN and enumeration of all the interfaces belonging to this VLAN.

TABLE 5 Custom RPCs (Continued)

RPC name	Host module	Synopsis
get-vm-policy-macaddr	brocade-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-dvpgs	brocade-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-dvs	brocade-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-hosts	brocade-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-portgroups	brocade-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-vms	brocade-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-vswitches	brocade-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output. Returns discovered virtual switches.

TABLE 5 Custom RPCs (Continued)

RPC name	Host module	Synopsis
get-vmpolicy-macaddr	brocade-vswitch	Returns the associations among Virtual Network Interface Cards (VNICs) or Virtual Machine Kernel Network Interface Cards (VMKNICs), port-groups, and port-profiles.
l2traceroute	brocade-trilloam	Traces a TRILL route from a host source MAC address to a destination MAC address.
l2traceroute-result	brocade-trilloam	Returns the result of a TRILL traceroute.
logical-chassis-fwdl-sanity	brocade-firmware	Retrieves firmware download sanity check status.
logical-chassis-fwdl-status	brocade-firmware	Retrieves firmware activation status.
maps-get-all-policy	brocade-maps-ext	Retrieves the existing MAPS Policies.
maps-get-default-rules	brocade-maps-ext	Retrieves the existing MAPS Policies.
no-vcs-rbridge-context	brocade-vcs	Disables VCS Fabric mode.
redundancy	brocade-ha	
reload	brocade-ha	Reloads HA.
set-http-application-url	brocade-http-redirect	Sets the HTTP application URL.
show-bare-metal-state	brocade-preprovision	Indicates the bare-metal state on the system.
show-clock	brocade-clock	Returns the date, time, and time zone.
show-fabric-trunk-info	brocade-fabric-service	Provides all ISL trunk information in a fabric.
show-fibrechannel-interface-info	brocade-fabric-service	Provides detailed information of Fibre Channel ports in the routing bridge.
show-firmware-version	brocade-firmware-ext	Returns firmware version information.
show-linkinfo	brocade-fabric-service	Returns details of all the links connected in the fabric.
show-ntp	brocade-ntp	Returns the active NTP server for the Brocade VCS fabric or specified switch.
show-portindex-interface-info	brocade-fabric-service	Returns the details of 10-GbEthernet and FCoE ports.
show-raslog	brocade-ras-ext	Returns RASlog entries.

TABLE 5 Custom RPCs (Continued)

RPC name	Host module	Synopsis
show-support-save-status	brocade-ras-ext	Returns information about the status of a recent supportSave request.
show-system-info	brocade-ras-ext	Returns the routing bridge ID and MAC address of the switch.
show-system-monitor	brocade-system-monitor-ext	Returns system status information.
show-vcs	brocade-vcs	Provides general VCS fabric information.
show-zoning-enabled-configuration	brocade-zone	Returns the currently enabled zoning configuration information.
user-session-info	brocade-aaa-ext	Returns user role information.
vcs-rbridge-config	brocade-vcs	
vcs-rbridge-context	brocade-vcs	Sets VCS Fabric mode for a given routing bridge.

Actions

The following table lists the actions, their locations, and a brief description of the purpose of each action.

TABLE 6 Actions

Action name	Host module	Node	Purpose
abort	brocade-event-handler	event-handler	
action	brocade-event-handler	common-def:clear/event-handler	
activate	brocade-fc-auth	secpolicy/action	Activates all the defined FC authorization policies.
activate	brocade-firmware	firmware	Activates the firmware download.
activations	brocade-event-handler	common-def:show	
add	brocade-license	common-def:show/license	Displays the license keys.
all	brocade-fabric-service	common-def:show/fabric	Returns fabric information.
auditlog	brocade-ras-ext	common-def:clear/logging	Clears the audit log.
auditlog	brocade-ras-ext	common-def:show/logging	Shows audit log information.
authenticate	brocade-crypto-ext	crypto/ca	Sets the authentication file from the host authentication server.
authenticate	brocade-crypto-ext	common-def:no	Sets the authentication file from the host authentication server.
bare-metal	brocade-preprovision	common-def:show/bare-metal/bare-metal	Indicates the bare-metal state on the system.
brief	brocade-nameserver	common-def:show/:	Gets a list of devices, listed by FCID, that are stored in the Name Server database.
burninerrclear	brocade-diagnostics	diag	Clears the errors that are stored in the nonvolatile storage on the slot during the burn-in process.
burninerrshow	brocade-diagnostics	common-def:show	Checks the error log.
burninstatus	brocade-diagnostics	common-def:show	Displays the status of last run system verification test.
certificates	brocade-crypto-ext	common-def:show / crypto/ca	Displays certificate details.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
chassis	brocade-beacon	beacon/disable	Disables the chassis beacon.
chassis	brocade-beacon	beacon/enable	Enables the chassis beacon.
chassis	brocade-ras-ext	common-def:show/infra	Returns system information.
chassisreboot	brocade-ha	ha	Reboots the chassis.
clearerror	brocade-diagnostics	diag	Clears the diagnostics failure status.
clock	brocade-clock	clock-set-datetime	Sets the date and time.
clock	brocade-clock	clock-set-timezone	Sets the local time zone.
commit	brocade-firmware	firmware/download	Commits a firmware upgrade after evaluation.
connector-group	brocade-hardware	common-def:show	Sets a connector group that FlexPort is allowed to access on the switch.
console	brocade-ras	ras/logging/raslog	
cpu	brocade-ras-ext	common-def:show/infra/process	Lists processes by CPU usage.
cpu	brocade-ras	resource monitor	Lists processes by CPU usage.
dadstatus	brocade-firmware	common-def:show/dhcp-auto-deployment	Displays the current status of firmware download.
description	brocade-ras-ext	rasman	Displays the details of the defined log modules.
detail	brocade-nameserver	common-def:show/:	Returns details about the configured name server.
dhchap	brocade-fc-auth	auth-secret	Configures authorization secret for DH-CHAP.
dhchap	brocade-fc-auth	common-def:no/fcsp/auth-secret	Deletes the authorization secret for DH-CHAP.
dhchap	brocade-fc-auth	common-def:show/fcsp/authsecret	Returns the device WWN for which a shared secret is configured.
dir	brocade-ras	system/usb	Displays the directory of a USB device.
directory	brocade-firmware	firmware:firmware/download/tftp/input	
disable	brocade-chassis	chassis	Disables the chassis.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
disable	brocade-chassis	chassis/beacon	Disables the chassis beacon.
disable	brocade-firmware	firmware/auto-sync	Disables the firmware download.
disable	brocade-ha	ha	Disables high availability.
dpod	brocade-license	common-def:show/enh-show-license-keys	Displays dynamic POD license information.
dump	brocade-ha	ha	Displays high availability status information.
dvpgs	brocade-vswitch	common-def:show/vnetwork	Shows discovered distributed virtual port-groups.
dvs	brocade-vswitch	common-def:show/vnetwork	Shows discovered distributed virtual switches.
enable	brocade-chassis	chassis	Enables the chassis.
enable	brocade-chassis	chassis/beacon	Enables the chassis beacon.
enable	brocade-firmware	firmware/auto-sync	Enables the firmware download.
enable	brocade-firmware	dhcp/auto-deployment	Enables auto-deployment of the firmware.
enable	brocade-ha	ha	Enables high availability.
enroll	brocade-crypto-ext	crypto/ca	Enrolls the trust point and generates the security certificate for HTTPS security.
erase	brocade-firmware	firmware/write	
exec	brocade-diagnostics	fos	Runs native Fabric OS commands.
failover	brocade-ha	ha	Causes HA failover.
fan	brocade-ras-ext	common-def:show/infra/environment	Shows fan information.
fastboot	brocade-firmware	reboot	Reboots the control processor (CP), bypassing the power-on self-test (POST).
firmware	brocade-firmware-ext	common-def:show/firmware	Shows firmware auto-sync status.
firmwaredownloadhistory	brocade-firmware-ext	common-def:show/firmware	Returns a history of firmware downloads.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
firmwaredownloadstatus	brocade-firmware-ext	common-def:show/ firmware	Returns the firmware download status.
firmware-features	brocade-firmware-ext	common-def:show/ firmware	Shows firmware features.
ftp	brocade-firmware	firmware/download	Downloads firmware with FTP.
ftp	brocade-firmware	firmware/download/default- config	Downloads firmware with FTP.
ftp	brocade-firmware	firmware/download/logical- chassis	Downloads firmware with FTP for logical chassis.
ftp	brocade-firmware	firmware/download/logical- chassis/default-config	Downloads firmware with FTP for logical chassis.
ftp	brocade-firmware	firmware/install	Installs firmware with FTP.
ftp	brocade-ras	copy/support	Uploads support data to an FTP server.
gmsg	brocade-ras	auditlog	Generates an audit log message for an internal audit log test.
gmsg	brocade-ras	logtest/raslog	Generates a message for an internal RASlog test.
ha	brocade-ha	common-def:show/ha	Displays the HA state.
hardware-profile	brocade-hardware	common-def:show	Optimizes hardware resources.
history	brocade-ras-ext	common-def:show/infra	Shows history information.
hosts	brocade-vswitch	common-def:show/ vnetwork	Displays discovered hosts.
id	brocade-license	common-def:show/license	Returns license IDs.
import	brocade-crypto-ext	crypto/ca	Imports the CA certificate for HTTPS security configuration.
import	brocade-crypto-ext	common-def:no	Imports the CA certificate for HTTPS security configuration.
info	brocade-ras-ext	common-def:show/infra/ process	Shows system processes.
interactive	brocade-firmware	firmware/download	Downloads firmware interactively.
interface	brocade-beacon	beacon/disable	Disables the interface beacon.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
interface	brocade-beacon	beacon/enable	Enables the interface beacon.
interface	brocade-threshold-monitor-ext	brocade-common-def:show/defaults/brocade-threshold-monitor-ext:threshold	Shows default threshold and alert values for interface.
inventory	brocade-ras-ext	infra-inventory	Displays the inventory details.
isl	brocade-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL information.
islports	brocade-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL port information.
l2traceroute	brocade-trilloam	trilloam	Traces a route between a source and destination MAC address.
ldapca	brocade-certutil	certutil/import	Imports the LDAP CA certificate.
ldapca	brocade-certutil	common-def:no/certutil	Deletes the LDAP CA certificate.
ldapcert	brocade-certutil	common-def:show/cert-util	Displays the LDAP CA certificate.
license	brocade-license	common-def:show/enh-show-license-keys	Displays license information.
linecard	brocade-linecard-management	common-def:show/linecardinfo	Configures a line card.
linecard	common-def:show	common-def:show/linecardinfo	Configures a line card.
linkinfo	brocade-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL link information.
maps	brocade-maps-ext	common-def:show	
macaddr	brocade-vswitch	common-def:show/vnetwork/vmpolicy	Returns information about MAC address policies.
memory	brocade-ras-ext	common-def:show/infra/process	Lists processes by memory usage.
memory	brocade-ras	resource-monitor	Lists processes by memory usage.
message	brocade-ras-ext	rasman	Displays the details of the given RASlog message ID.
mm	brocade-linecard-management	common-def:show/mminfo	Management module.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
module	brocade-ras-ext	rasman	Displays the details of the given RAS module name.
monitor	brocade-system-monitor-ext	common-def:show/system-monitor-extensions:system	Returns monitor switch status.
monitor	brocade-threshold-monitor-ext	common-def:show/threshold-monitor-extensions:system	Returns monitor switch error statistics on an interface.
multicast	brocade-fabric-service	fabric/route	Displays multicast routing information, including the multicast tree, its root, priority, and so on.
mypubkey	brocade-crypto-ext	common-def:show/crypto/key	Displays the crypto key.
neighbor-state	brocade-fabric-state	fabric/route	Displays the FSPF link state information of a node. A full state indicates FSPF link state database exchange is complete and that the link can be used while making routing decisions.
nodefind	brocade-nameserver	common-def:show/:	Displays nodes matching a specified WWN or PID.
off	brocade-ras	system/usb	Disables the USB device.
on	brocade-ras	system/usb	Enables the USB device.
operation-info	brocade-zone	common-def:show/zoning	Returns zone database size information and the time stamp of the last change.
pathinfo	brocade-fabric-service	fabric/route	Displays routing information and states along a path covering multiple switches.
pgs	brocade-vswitch	common-def:show/vnetwork	Returns information about discovered standard port-groups.
portledtest	brocade-diagnostics	diag	Runs various action modes on the port LEDs and validates the functionality.
portloopbacktest	brocade-diagnostics	diag	Sends frames between various ASICs on the switch and validates the ASIC functionality.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
port-group	brocade-hardware	common-def:show/ hardware	
port-side-exhaust	brocade-chassis	fan/airflow-direction	Sets the airflow direction to exhaust-side intake.
port-side-intake	brocade-chassis	fan/airflow-direction	Sets the airflow direction to port-side intake.
power	brocade-ras-ext	common-def:show/infra/ environment	Shows power information.
power-off	brocade-linecard- management	common-def:show/ linecardservice	Deactivates a line card.
power-on	brocade-linecard- management	linecardservice	Powers on a line card.
prbtest	brocade-diagnostics	diag	Performs pseudo-random binary-sequence tests.
raslog	brocade-ras-ext	common-def:clear/logging	Clears the RASlog.
raslog	brocade-ras-ext	common-def:show/logging	Shows RASlog information.
recover	brocade-firmware	firmware	Aborts the firmware operation that is ready to be activated and then commits the firmware.
redundancy	brocade-ha	common-def:show/ redundancy	Shows high availability redundancy state.
reload	brocade-ha	common-def:show/system/ reload	Reloads the system.
remove	brocade-license	license	Removes the license keys.
remove	brocade-ras	system/usb	Deletes a file from a USB device.
restore	brocade-firmware	firmware/download	Restores the original firmware after evaluation.
results	brocade-diagnostics	common-def:show/diag/ post	Displays the post verification test result.
sanity-check	brocade-firmware	firmware/download	Conducts a sanity check on the firmware download.
scp	brocade-firmware	firmware/download	Downloads firmware with SCP.
scp	brocade-firmware	firmware/download/default- config	Downloads firmware with SCP.
scp	brocade-firmware	firmware/download/logical- chassis	Downloads firmware with SCP for logical chassis.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
scp	brocade-firmware	firmware/download/logical-chassis/default-config	Downloads firmware with SCP for logical chassis.
scp	brocade-firmware	firmware/install	Installs firmware with SCP.
scp	brocade-ras	copy/support	Uploads support data to an SCP server.
security	brocade-threshold-monitor-ext	common-def:show/defaults	Displays default threshold and alert values for security.
sensor	brocade-ras-ext	common-def:show/infra/environment	Returns sensor information.
sessions	brocade-aaa	common-def:clear/login	Unlocks a user account.
setcycle	brocade-diagnostics	diag	Configures all the parameters required for the system verification test.
setdbg	brocade-diagnostics	diag	Changes the debug level.
sfm	brocade-linecard-management	common-def:show/sfminfo	Switch fabric module.
sfp	brocade-threshold-monitor-ext	common-def:show/defaults/threshold-monitor-extensions:threshold	Displays default threshold and alert values for SFP.
sftp	brocade-firmware	firmware/download	Downloads firmware with SFTP.
sftp	brocade-firmware	firmware/download/default-config	Downloads firmware with SFTP.
sftp	brocade-firmware	firmware/download/logical-chassis	Downloads firmware with SFTP for logical-chassis.
sftp	brocade-firmware	firmware/download/logical-chassis/default-config	Downloads firmware with SFTP for logical-chassis.
slots	brocade-linecard-management	common-def:show/slotsinfor	Modules present in the chassis.
sshkey	brocade-certutil	certutil/import	SSH public key import operation.
sshkey	brocade-certutil	common-def:no/cert-util	Displays username length error message.
sshkey	brocade-certutil	common-def:show/certutil:cert-util	Displays user name length error message.
start	brocade-ha	ha/sync	Syncs up the system.
status	brocade-diagnostics	common-def:show	Displays currently running diagnostic tests.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
status	brocade-http-config	common-def:show /http/ server	Displays HTTP server status.
status	brocade-ras-ext	common-def:show/copy- support	Shows copy support details.
status	brocade-sec-services	common-def:show/ssh/ server	Displays the SSH server status.
status	brocade-sec-services	common-def:show/ssh/ client	Displays the SSH client status.
status	brocade-sec-services	common-def:show/telnet/ server	Displays the Telnet server status.
stop	brocade-ha	ha/sync	Syncs up the system.
support	brocade-ras-ext	common-def:clear/support	Clears support information.
support	brocade-ras-ext	common-def:show/support	Shows support information available for upload.
support-interactive	brocade-ras	copy	Enables interactive support data upload.
sync	brocade-firmware	firmware/download	Synchronizes the firmware with its peer.
syslogca	brocade-certutil	certutil/import	Imports the syslog server CA certificate.
syslogca	brocade-certutil	common-def:no/certutil	Deletes the syslog server CA certificate.
syslogcacert	brocade-certutil	common-def:show/cert-util	Displays the syslog server CA certificate.
systemverification	brocade-diagnostics	diag	Runs a combination of various hardware diagnostic tests.
temp	brocade-ras-ext	common-def:show/infra/ environment	Shows temperature information.
timezone	brocade-clock	common-def:no/clock	Returns the time zone information.
tftp	brocade-firmware	firmware:firmware/ download	Downloads firmware with TFTP.
tftp	brocade-firmware	firmware/download/default- config	Downloads firmware with TFTP.
tftp	brocade-firmware	firmware/download/logical- chassis	Downloads firmware with TFTP for logical chassis.
tftp	brocade-firmware	firmware/download/logical- chassis/default-config	Downloads firmware with TFTP for logical chassis.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
topology	brocade-fabric-service	fabric/route	Provides fabric topology information as seen by a VCS fabric node, including the number of currently active paths to the destination, maximum number of hops to reach destination, cost of reaching destination, and so on.
trunk	brocade-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL trunk information.
trustpoint	brocade-crypto-ext	common-def:show/crypto/ca	
turboramtest	brocade-diagnostics	diag	Performs a turbo static RAM (SRAM) test of the ASIC chips.
type	brocade-ras-ext	rasman	Displays the details of the RASlog messages based on the given RASlog message type.
unlock	brocade-aaa	user	Unlocks a user account.
usb	brocade-firmware	firmware/download	Downloads firmware from a USB device.
usb	brocade-firmware	firmware/download/default-config	Downloads firmware from a USB device.
usb	brocade-firmware	firmware/download/logical-chassis	Downloads firmware from a USB device for logical chassis.
usb	brocade-ras	copy	Uploads support data to a USB device.
users	brocade-aaa-ext	common-def:show/aaa-users	Accesses the user information.
version	brocade-firmware-ext	common-def:show/firmware	Returns the firmware version string.
vms	brocade-vswitch	common-def:show/vnetwork	Returns information about discovered VMs.
vss	brocade-vswitch	common-def:show/vnetwork	Returns information about standard virtual switches.
zonemember	brocade-nameserver	common-def:show/:	Displays all nodes zoned with a device matching a specified WWN or PID.