Network OS YANG

Reference Manual

Supporting Network OS 6.0.1

BROCADE

Contents

Preface

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
italic text	Identifies emphasis
	Identifies variables
	Identifies document titles
`Courier font`	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.
italic text	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, *member*[*member*...].
\	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.

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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.

Brocade customers

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

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Online	Telephone	E-mail
Preferred method of contact for non-urgent issues: • My Cases through MyBrocade • Software downloads and licensing tools • Knowledge Base	Required for Sev 1-Critical and Sev 2-High issues: • 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.	support@brocade.com Please include: • Problem summary • Serial number • Installation details • Environment description

Brocade OEM customers

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.
• Brocade provides backline support for issues that cannot be resolved by the OEM/Solution Provider.

- 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.

Document feedback

To send feedback and report errors in the documentation you can use the feedback form posted with the document or you can e-mail the documentation team.

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

Supported hardware and software

Although many different software and hardware configurations are tested and supported by Brocade Communications Systems, Inc. for Network OS 6.0.1, 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 2740 Converged Ethernet Switch Module

NOTE
The Brocade VDX 2740 is the equivalent of the Lenovo Flex System EN4023 10Gb Scalable Switch. This platform is identified in the system as "EN4023."

- 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 6.0.1.

New Modules

- brocade-anycast-gateway
- brocade-bfd
- brocade-dai
- brocade-event-handler

- brocade-maps-ext
- brocade-openflow

Modified Modules

- brocade-aaa

  - Augment to brocade-rbridge with container *root*, leaves *enable* and *access* were added.
  - Leaf *max-lockout-duration* was added within container *password-attributes*.
  - Type of leaf *fcoe-leaf* under container *interface-fcoe-leaf* was changed from *string* to *interface:fcoe-interface-range*.
  - Type of leaf *tengigabitethernet-leaf* under container *interface-te-leaf* was changed from *string* to *interface:interface-type*.
  - Type of leaf *gigabitethernet-leaf* under container *interface-ge-leaf* was changed from *string* to *interface-type*.
  - Type of leaf *port-channel-leaf* under container *interface-pc-leaf* was changed from *string* to *portchannel-type*.
  - Container *command* under the list *rule* was modified to add cases *interface-l* to *interface-w*.

- brocade-ag

  - Augment to brocade-rbridge was modified to include containers *counter* and *timeout*.
  - Leaf *enable* was added within container *ag* in augment to brocade-rbridge.
  - Augment to brocade-rbridge was modified to remove containers *counter* and *timeout* from *ag* (container) -> *pg* (list).

- brocade-bgp

  - Modified the content.

- brocade-bprate-limit

  - Leaves *add* and *remove* were added in augment to brocade-rbridge -> *bp-rate-limit* (container) -> *heavy* (container) -> *module* (container).

- brocade-cee-map

  - Type of leaf *name* under the list *cee-map* was changed from *common-def:name-string32* to *cee-map-name-type*.

- brocade-dhcp

  - Leaf *option* was added in augment to brocade-rbridge within *dhcp* (container) -> *relay* (container) -> *information* (container).
  - Leaf *gateway* was added in augment to /rbridge:rbridge-id/interface:interface/interface:ve/ip-config:ip within *interface-ve-dhcp* (container) -> *dhcp* (container) -> *relay* (container).
  - Leaf *gateway* was added within *interface-fo-dhcp-conf* (container) -> *dhcp* (container) -> *relay* (container) in augment to /interface:interface/interface:fortygigabitethernet/interface:ip.
  - Leaf *gateway* was added within *interface-hu-dhcp* (container) -> *dhcp* (container) -> *relay* (container) in augment to /interface:interface/interface:hundredgigabitethernet/interface:ip.
  - Leaf *gateway* was added within *interface-te-dhcp* (container) -> *dhcp* (container) -> *relay* (container) in augment to /interface:interface/interface:tengigabitethernet/interface:ip.
  - Leaf *gateway* was added within *interface-gi-dhcp* (container) -> *dhcp* (container) -> *relay* (container) in augment to /interface:interface/interface:gigabitethernet/interface:ip.

- brocade-fcoe

  - Type of leaf *fcoe-fabric-map-name* under container *fcoe* was changed from *common-def:name-string32* to *fcoe-fabric-map-name-type*.
  - Container *fcport-group-rbid* containing leaves *fcport-group-rbid-add* and *fcport-group-rbid-remove* was added within container *fcoe-fcport-group-config*.

- brocade-firmware

- Action *tftp* was added within *firmware* (container) -> *download* (container).
- Action *tftp* was added within *firmware* (container) > *download* (container) -> *default-config* (container).
- Action *tftp* was added within *firmware* (container) -> *logical-chassis* (container).
- Action *tftp* was added within *firmware* (container) -> *logical-chassis* (container) -> *default-config* (container).

• brocade-hardware

- Container *custom-profile* was added within container *hardware* with the following attributes:

  - List *kap-custom-profile* containing leaf *name*.
  - Container *lacp* with leaves *lacp_hello_interval* and *lacp_num_entry*.
  - Container *xstp* with leaves *xstp_hello_interval* and *xstp_num_entry*.
  - Container *rpvst* with leaves *rpvst_hello_interval* and *rpvst_num_entry*.
  - Container *udld* with leaves *udld_hello_interval* and *udld_num_entry*.
  - Container *bfd-vxlan* with leaves *bfd_vxlan_hello_interval* and *bfd_vxlan_num_entry*.
  - Container *bfd-l3* with leaves *bfd_l3_hello_interval* and *bfd_l3_num_entry*.
  - Container *fcoe* with leaves *fcoe_hello_interval* and *fcoe_num_entry*.
- Container *kap* was added in augment to brocade-rbridge -> *hardware-profile* (container) with the following attributes:

  - Container *predefined* with leaf *kap_profiletype*.
  - Container *customized* with leaf *kap_profilename*.

• brocade-http-config

- Action *status* was added in augment to common-def:show -> *http* (container) -> *server* (container).

• brocade-interface

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

• brocade-interface-ext

- Leaves *configured-vlans-count*, *provisioned-vlans-count*, and *unprovisioned-vlans-count* were added within *output* under RPC *get-vlan-brief*.

• brocade-ip-acess-list

- Container *access-group* containing leaves *ip-access-list* and *ip-direction* was added in augment to brocade-rbridge -> *receive* (container).
- Leaves *action*, *src-host-ip*, and *src-mask* within grouping *ip-std-access-list-rule* were made mandatory true.
- Leaves *action*, *src-host-ip, src-mask*, *sport-number-eq-neq-tcp*, *sport-number-lt-tcp*, *sport-number-gt-tcp*, *sport-number-eq-neq-udp*, *sport-number-lt-udp*, *sport-number-gt-udp*, *sport-number-range-lower-tcp*, *sport-number-range-lower-udp*, *sport-number-range-higher-tcp*, *sport-number-range-higher-udp*, *dst-host-ip*, *dst-mask*, *dport-number-eq-neq-tcp*, *dport-number-lt-tcp*, *dport-number-gt-tcp*, *dport-number-eq-neq-udp*, *dport-number-lt-udp*, *dport-number-gt-udp*, *dport-number-range-lower-tcp*, *dport-number-range-lower-udp*, *dport-number-range-higher-tcp*, and *dport-number-range-higher-udp* within grouping *ip-ext-access-list-rule* were made mandatory true.

- brocade-ip-config

  - Type of leaf *address* within list *address* was changed to *union*. *common-def:ipv4-prefix-mask* and *inet:ipv4-prefix types* type support was added.

- brocade-ip-policy

  - Leaf *vrf* was added within container *match* under *hide-routemap-holder* (container) -> *route-map* (list) -> *content* (container).
  - Leaf *vrf* was added within container *match* in augment to brocade-rbridge -> *route-map* (container) -> *content* (container).

- brocade-ipv6-acess-list

  - Container *access-group* containing leaves *ipv6-access-list* and *ipv6-direction* was added in augment to brocade-rbridge -> *receive* (container).

- brocade-ipv6-rtm

  - Container *bfd-ipv6-interval-attributes* containing leaves *interval*, *min-rx*, and *multiplier* was added in augment to /rbridge:rbridge-id/rbridge:ipv6/ipv6-route:route/ipv6-route:static/ipv6-route:bfd.
  - Leaf *ipv6-holdover-interval* was added under grouping *bfd-ipv6-holdover-interval-config* in augment to /rbridge:rbridge-id/rbridge:ipv6/ipv6-route:route/ipv6-route:static/ipv6-route:bfd.
  - Leaves *bfd-ipv6-static-route-dest* and *bfd-ipv6-static-route-src* were added within list *bfd-ipv6-static-route* in the augment to /rbridge:rbridge-id/rbridge:ipv6 -> *route* (container) -> *static* (container).

- brocade-lag

  - Leaf *aggregator-id* was added within case *get-request* and leaf *last-aggregator-id* was added within case *get-next-request* under RPC *get-port-channel-detail*.

- brocade-ntp

  - Leaf *md5* within *case md5-type* and leaf *sha1* within *case sha1-type* were added under *choice encryption-type* within container *ntp*.
  - Leaf *source-ip* was added within container *ntp*.

- brocade-ospf

  - Container *nssa-translator* was removed from *global-ospf* grouping from within the augment to /rbridge:rbridge-id/rbridge:router.
  - Container *global-bfd* containing leaves *bfd-enable* and *holdover-interval* was added within list *ospf* in the augment to /rbridge:rbridge-id/rbridge:router.
  - Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /rbridge:rbridge-id/interface:interface/interface:ve/ip-config:ip.
  - Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /rbridge:rbridge-id/interface:interface/intf-loopback:loopback/ip-config:ip.
  - Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /interface:interface/interface:fortygigabitethernet/interface:ip.

- Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /interface:interface/interface:hundredgigabitethernet/interface:ip.
- Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /interface:interface/interface:tengigabitethernet/interface:ip.

- brocade-ospfv3

  - Container *log* containing the following attributes was added within container *redistribute*:

    - Container *log-adjacency* containing leaf *log-adjacency-dr-only*.
    - Leaf *log-all*.
    - Container *log-bad-packet* containing leaf *log-bad-packet-checksum*.
    - Leaf *log-database*.
    - Leaf *log-retransmit*.
  - Container *bfd* containing leaves *bfd-enable* and *bfd-holdover-interval* was added in the augment to /rbridge:rbridge-id/rbridge:ipv6/rbridge:router.
  - Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:gigabitethernet/interface:ipv6.
  - Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:tengigabitethernet/interface:ipv6.
  - Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:fortygigabitethernet/interface:ipv6.
  - Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:hundredgigabitethernet/interface:ipv6.
  - Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /rbridge:rbridge-id/interface:interface/interface:ve/ipv6-config:ipv6.

- brocade-pim

  - Leaf *prefix-list* was added under list *rp-address* in the augment to /rbridge:rbridge-id/rbridge:router.
  - Leaf *ttl-threshold* was removed and leaf *neighbor-filter* was added under container *pim*.

- brocade-preprovision

  - RPC *show-bare-metal-state* containing leaf *bare-metal-state* was added under grouping *bfd-static-route-config* .
  - Leaf *bare-metal-state* was added in the augment to common-def:show -> *bare-metal* (container).

- brocade-ras

  - Leaf *use-vrf* was added in the augment to brocade-ras within *logging* (container) -> *syslog-server* (list).
  - Leaves *chassis-name* and *host-name* were removed from the container *switch-attributes*.
  - Key of list *syslog-server* under container *logging* was changed from *syslogip* to *syslogip use-vrf*.

- brocade-rtm

  - Container *bfd-interval-attributes* containing leaves *interval*, *min-rx*, and *multiplier* was added within list *bfd-static-route* under grouping *bfd-static-route-config* in the augment to /rbridge:rbridge-id/rbridge:ip/rtm:rtm-config/rtm:route/rtm:static/rtm:bfd.
  - Container *bfd-interval-attributes* containing leaves *interval*, *min-rx*, and *multiplier* was added within list *bfd-static-route* under grouping *bfd-static-route-config* in the augment to /common-def:ip.
  - Leaf *holdover-interval* was added under grouping *bfd-holdover-interval-config* in the augment to /rbridge:rbridge-id/rbridge:ip/rtm:rtm-config/rtm:route/rtm:static/rtm:bfd.

- brocade-sec-services

  - Leaves *mac* and *key-exchange* were added within container *client* under container *ssh*.
  - Leaves *mac* and *key-exchange* were added within container *client* under container *ssh* in the augment to /rbridge:rbridge-id.

- brocade-sflow

- Leaf *use-vrf* was added within *sflow* (container) -> *collector* (list).
- Leaf *source-ip* was added within container *sflow*.
- Key for list *collector* under container *sflow* was changed from *collector-ip-address collector-port-number* to *collector-ip-address collector-port-number use-vrf*.

• brocade-snmp

- Leaf *use-vrf* was added within list *host* under container *snmp-server*.
- Leaf *use-vrf* was added within list *host* within grouping *snmpv3host-group*.
- Leaf *use-vrf* was added within list *host* in the augment to brocade-rbridge -> *snmp-server* (container) -> *v3host* (list).

• brocade-trilloam

- Leaf *l2traceroutedone* was added to *output* within RPC *l2traceroute*.

• brocade-tunnels

- Leaf *bfd-enable* was added within *overlay-gateway* (list) -> *site* (list).
- Container *bfd* containing leaves *min-tx*, *min-rx*, and *multiplier* was added within container *interval* under *overlay-gateway* (list) -> *site* (list).
- Container *bfd* containing leaf *bfd-shutdown* was added under *overlay-gateway* (list) -> *site* (list).

• brocade-vcs

- Leaf *virtual-ipv6-address* was added under RPC *show-vcs*.
- RPC *vcs-rbridge-config* containing leaves *vcs-id* and *rbridge-id* was added.

• brocade-vrrp

- Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /rbridge:rbridge-id/interface:interface/interface:ve.
- Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface-vlan/interface:interface/interface:ve.
- Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:port-channel.
- Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:tengigabitethernet.
- Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:gigabitethernet.
- Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:fortygigabitethernet.
- Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:hundredgigabitethernet.
- Leaves *network-address* and *network-priority* were added within list *network* under container *track* in the augment to /rbridge:rbridge-id/interface:interface/interface:ve.

• brocade-vrrpv3

- Leaves *network-address* and *network-priority* were added within list *network* under container *track*.

Using YANG

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 v6.0.1.

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

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

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]
   |     +--rw hostname            string
   |     +--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]
   |     +--rw hostname            string
   |     +--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]
   |  |  +--rw hostname    string
   |  |  +--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?   interface:fcoe-interface-range  --->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 *root*, leaves *enable* and *access* was added. • Leaf *max-lockout-duration* was added within container *password-attributes*. • Type of leaf *fcoe-leaf* under container *interface-fcoe-leaf* was changed from *string* to *interface:fcoe-interface-range*. • Type of leaf *tengigabitethernet-leaf* under container *interface-te-leaf* was changed from *string* to *interface:interface-type*. • Type of leaf *gigabitethernet-leaf* under container *interface-ge-leaf* was changed from *string* to *interface-type*. • Type of leaf *port-channel-leaf* under container *interface-pc-leaf* was changed from *string* to *portchannel-type*. • Container *command* under the list *rule* was modified to add cases *interface-l* to *interface-w*.

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 *counter* and *timeout*. • Leaf *enable* was added within container *ag* in augment to brocade-rbridge. • Augment to brocade-rbridge was modified to remove containers *counter* and *timeout* from *ag* (container) -> *pg* (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
      +--rw brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw ip-config:ip
      |  |  |  +--rw anycast-gateway:ip-local-anycast-gateway [local-ip-gw-id]   ---
>alt-name:"fabric-virtual-gateway"
      |  |  |  |  +--rw anycast-gateway:local-ip-gw-id    uint32
      |  |  |  |  +--rw anycast-gateway:enable_local?     empty  --->alt-name:"enable"
      |  |  |  |  +--rw anycast-gateway:disable_local?    empty  --->alt-
name:"disable"
      |  |  |  |  +--rw anycast-gateway:load-balancing
      |  |  |  |  |  +--rw anycast-gateway:basic?                    empty  --->drop-node-
name
      |  |  |  |  |  +--rw anycast-gateway:threshold-priority?   uint32
      |  |  |  |  +--rw anycast-gateway:track
      |  |  |  |     +--rw anycast-gateway:interface [interface-type interface-name]
      |  |  |  |     |  +--rw anycast-gateway:interface-type       vrrp:track-
iftype  --->drop-node-name
      |  |  |  |     |  +--rw anycast-gateway:interface-name       vrrp:track-
ifname  --->drop-node-name
      |  |  |  |     |  +--rw anycast-gateway:interface-priority    uint32   --->alt-
name:priority
      |  |  |  |     +--rw anycast-gateway:network [network-address]
      |  |  |  |     |  +--rw anycast-gateway:network-address      comn:ipv4-prefix-
mask  --->drop-node-name
      |  |  |  |     |  +--rw anycast-gateway:network-priority    uint32  --->alt-
name:priority
      |  |  |  |     +--rw anycast-gateway:next-hop [next-hop-address]
      |  |  |  |        +--rw anycast-gateway:next-hop-address     inet:ip-address
--->drop-node-name
      |  |  |  |        +--rw anycast-gateway:next-hop-priority    uint32  --->alt-
name:priority

module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw ipv6-config:ipv6
      |  |  |  +--rw anycast-gateway:ipv6-local-anycast-gateway [local-ipv6-gw-id]
--->alt-name:"fabric-virtual-gateway"
      |  |  |  |  +--rw anycast-gateway:local-ipv6-gw-id    uint32
      |  |  |  |  +--rw anycast-gateway:enable_local?       empty  --->alt-
name:"enable"
      |  |  |  |  +--rw anycast-gateway:disable_local?      empty  --->alt-
name:"disable"
      |  |  |  |  +--rw anycast-gateway:load-balancing
```

```
          |  |   |   |   |   +--rw anycast-gateway:basic?                empty
          |  |   |   |   |   +--rw anycast-gateway:threshold-priority?   uint32
          |  |   |   |   +--rw anycast-gateway:ipv6-track   --->alt-name:track
          |  |   |   |       +--rw anycast-gateway:ipv6-interface [ipv6-interface-type ipv6-
interface-name]   --->alt-name:interface
          |  |   |   |          |   +--rw anycast-gateway:ipv6-interface-type        vrrp:track-
iftype   --->drop-node-name
          |  |   |   |          |   +--rw anycast-gateway:ipv6-interface-name        vrrp:track-
ifname   --->drop-node-name
          |  |   |   |          |   +--rw anycast-gateway:ipv6-interface-priority    uint32   ---
>alt-name:priority
          |  |   |   |        +--rw anycast-gateway:ipv6-network [ipv6-network-address]   ---
>alt-name:network
          |  |   |   |          |   +--rw anycast-gateway:ipv6-network-address      comn:ipv6-
address-prefix   --->drop-node-name
          |  |   |   |          |   +--rw anycast-gateway:ipv6-network-priority    uint32    ---
>alt-name:priority
          |  |   |   |        +--rw anycast-gateway:ipv6-next-hop [ipv6-next-hop-address]
--->alt-name:next-hop
          |  |   |   |          |   +--rw anycast-gateway:ipv6-next-hop-address      inet:ipv6-
address   --->drop-node-name
          |  |   |   |          |   +--rw 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:ui32-range   --->alt-
name:"add"
   |                   +--rw anycast-gateway:rb-remove?   comn:ui32-range   --->alt-
name:"remove"
```

History

Release version	History
6.0.1	This Yang Module was introduced.

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)?
            +--:(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]
      |  |  |     |  +--rw arp:arp-ip-address            inet:ipv4-address
      |  |  |     |  +--rw arp:mac-address-value?        mac-access-list:mac-address-
type
      |  |  |     |  +--rw arp:interfacename?            enumeration
      |  |  |     |  +--rw (interfacetype)?
      |  |  |     |     +--:(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
```

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
```

brocade-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
      |  |  +--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
```

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
```

brocade-bfd

Provides a data model to manage Bidirectional Forwarding Detection (BFD).

External augmentations

```
module: brocade-interface
   +--rw interface
   |  +--rw gigabitethernet [name]
   |  |  +--rw 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

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

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

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

History

Release version	History
6.0.1	This Yang Module was introduced.

brocade-bgp

Provides a data model to manage BGP Protocol.

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: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
      |  |  |     |     |     |     +--rw bgp:ethernet?        update-source-
```

```
ethernet-type   --->drop-node-name
      |  |  |      |      |            +--:(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: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-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-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:multiplier?    bfd-multiplier-type
  |  |  |      |            +--rw bgp:
  |  |  |      |            |  +--rw bgp:in
  |  |  |      |            |     +--rw (chmaxas-limit-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-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-peergroup  ---
>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-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: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-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: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"
           |  |     |       |  |  |       |  +--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-ipv4-neighbor-address-holder  --->drop-node-
    name
           |  |     |       |  |        +--rw bgp:af-ipv4-neighbor-address [af-ipv4-neighbor-
    address]  --->drop-node-name
           |  |     |       |  |              +--rw bgp:af-ipv4-neighbor-address    inet:ipv4-
```

```
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  --->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: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"
    |   |   |     |   |                       |  +--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"
| |     |         +--rw bgp:af-vrf-name
string   --->alt-name:"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
--->alt-name:graceful-restart
| |     |         +--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-vrf-neighbor-address-holder  --->drop-
node-name
      |  |   |        |     +--rw bgp:af-ipv4-neighbor-addr [af-ipv4-neighbor-
address]  --->drop-node-name
      |  |   |        |        +--rw bgp:af-ipv4-neighbor-address    inet:ipv4-
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
      |  |   |        |        | +--rw bgp:shutdown-status?    empty  --->drop-
node-name
      |  |   |        |        | +--rw bgp:generate-rib-out?   empty
      |  |   |        |        +--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: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"
     |  |     |        |          |  +--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: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: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-
in-as-path  --->drop-node-name
        |   |     |        |              |        +--:(ca-maxas-limit-disable)
        |   |     |        |              |           +--rw bgp:maxas-limit-disable?   empty
--->alt-name:"disable"
        |   |     |        |              +--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-loopback)
        |   |     |        |              |     |  +--rw bgp:loopback?              loopback-
interface
        |   |     |        |              |     +--:(ca-ve)
        |   |     |        |              |        +--rw bgp:ve-interface?
interface:ve-type
        |   |     |        |              +--rw bgp:send-community
        |   |     |        |                 +--rw bgp:send-community-status?  empty
        |   |     |        |                 +--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:ipv6
         | |            +--rw bgp:ipv6-unicast  --->alt-name:"unicast"
         | |               +--rw bgp:default-vrf  --->drop-node-name
         | |               | +--rw bgp:default-vrf-selected?                          empty
--->drop-node-name
         | |               | +--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  --->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: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"
        |  |          |  |  |          |  +--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-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  --->drop-node-name
        |  |          |  |        |  +--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: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"
      |   |            |   |                |  +--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: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: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-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
       |   |                  |          |  +--rw bgp:shutdown-status?   empty  --->drop-
node-name
       |   |                  |          |  +--rw bgp:generate-rib-out?   empty
       |   |                  |          +--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: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"
       |   |                  |          |  +--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: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: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:multiplier?   bfd-multiplier-type
   |  |              |                  +--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-loopback)
    |  |                    |          |         |  +--rw bgp:loopback?            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
```

History

Release version	History
6.0.1	This Yang Module was modified.

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 *add* and *remove* was added in augment to brocade-rbridge -> *bp-rate-limit* (container) -> *heavy* (container) -> *module* (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, multicast, and unknown unicast 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
```

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 *name* under the list *cee-map* was changed from *common-def:name-string32* to *cee-map-name-type*.

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
```

Set 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

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 implementations details for 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 CLIs.

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 brocade-interface:interface
      |  |  +--rw ip-config:ip
      |  |  |  +--rw dhcp:interface-ve-dhcp-conf  --->drop-node-name
      |  |  |  |  +--rw dhcp:dhcp
      |  |  |  |     +--rw dhcp:relay
      |  |  |  |        +--rw dhcp:servers [relay-ip-addr server-vrf-name]  --->drop-
node-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 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
```

History

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

brocade-dhcpv6

Provides a data model to manage DHCPv6 functionality.

External augmentations

```
module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw ipv6-config:ipv6
      |  |  |  +--rw dhcpv6:interface-ve-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-iftype  --->drop-node-name
      |  |  |  |              +--rw 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-iftype  --->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-iftype  --->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-iftype   --->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-iftype   --->drop-
node-name; alt-name:"interface"
   |  |  |  |              +--rw dhcpv6:interface-name?   dhcpv6-ifname   --->drop-
node-name
```

brocade-diagnostics

Provides a data model for managing diagnostic tests.

This data model enables or disables power-on self tests (POSTs) 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
prbstest	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
   |  |  |  |  +--:(fibrechannel)
   |  |  |  |     +--ro fibrechannel?    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
   |  |  |  |  +--:(fibrechannel)
   |  |  |  |     +--ro fibrechannel?    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 pseudorandom 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
```

Displays 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
```

Displays 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-readinesstest-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 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 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
```

External augmentations

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

module: brocade-common-def
    +--rw clear
    |  +--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
```

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

module: brocade-common-def
    +--rw clear
    |  +--rw event-handler:event-handler
    |  |  +--ro event-handler:action
    |  |     +--ro event-handler:input
    |  |        +--ro event-handler:event-handler-name    common-def:name-string32
--->drop-node-name
```

History

Release version	History
6.0.1	This Yang Module was introduced.

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, inter-connected 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 inter-connecting network that contains the individual switches is referred 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-isllink-destdomain?       common-def:rbridge-id-
type
   |           +--ro linkinfo-isllink-srcport?          uint16
   |           +--ro linkinfo-isllink-srcport-type?     interfacetype-type
   |           +--ro linkinfo-isllink-srcport-interface?   interface:interface-type
   |           +--ro linkinfo-isllink-destport?         uint16
   |           +--ro linkinfo-isllink-destport-type?    interfacetype-type
   |           +--ro linkinfo-isllink-destport-interface?   interface:interface-type
   |           +--ro linkinfo-isl-linkcost?             uint32
   |           +--ro linkinfo-isllink-costcount?        uint32
   |           +--ro linkinfo-isllink-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-wwn?         common-def:wwn-type
               +--ro trunk-list-is-primary?      trunk-list-is-primary-type
```

Actions

Obtain the entire 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?
interfacetype-type
   | | |             +--ro fabric-service:trunk-list-src-interface?
interface:interface-type
   | | |             +--ro fabric-service:trunk-list-nbr-rbridge-id?   uint32
   | | |             +--ro fabric-service:trunk-list-nbr-port?         uint32
   | | |             +--ro fabric-service:trunk-list-nbr-wwn?          common-
def:wwn-type
   | | |             +--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
```

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-enable?   empty  --->alt-name:enable
   | | +--rw fcoe:fcoeport
   | | | +--rw fcoe:fcoeport-map?   fcoe-map-name-type  --->alt-name:map; drop-
node-name

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-enable?   empty  --->alt-name:enable
|  |  +--rw fcoe:fcoeport
|  |  |  +--rw fcoe:fcoeport-map?   fcoe-map-name-type  --->alt-name:map; drop-
node-name

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-enable?   empty  --->alt-name:enable
   |  |  +--rw fcoe:fcoeport
   |  |  |  +--rw fcoe:fcoeport-map?   fcoe-map-name-type  --->alt-name:map; drop-
node-name

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

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 *fcoe-fabric-map-name* under container *fcoe* was changed from *common-def:name-string32* to *fcoe-fabric-map-name-type*. • Container *fcport-group-rbid* containing leaves *fcport-group-rbid-add* and *fcport-group-rbid-remove* was added within container *fcoe-fcport-group-config*.

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 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-tests (POSTs).

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 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 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 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 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 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 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 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 a 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 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 a 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 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 a 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 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 a 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 a 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 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 a 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 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 a 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 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 a 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 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 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 a 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 POSTs:

```
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 *tftp* was added within *firmware* (container) -> *download* (container). • Action *tftp* was added within *firmware* (container) > *download* (container) -> *default-config* (container). • Action *tftp* was added within *firmware* (container) -> *logical-chassis* (container). • Action *tftp* was added within *firmware* (container) -> *logical-chassis* (container) -> *default-config* (container).

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, 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 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
```

Diable 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 synchranization:

```
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
```

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 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 rpvst
            |  +--rw rpvst_hello_interval?   uint32   --->alt-name:hello-interval
            |  +--rw rpvst_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_profilename?   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
```

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:

This Yang Module was modified to include the following:

- Container *custom-profile* was added within container *hardware* with the following attributes:

  - List *kap-custom-profile* containing leaf *name*.
  - Container *lacp* with leaves *lacp_hello_interval* and *lacp_num_entry*.
  - Container *xstp* with leaves *xstp_hello_interval* and *xstp_num_entry*.
  - Container *rpvst* with leaves *rpvst_hello_interval* and *rpvst_num_entry*.
  - Container *udld* with leaves *udld_hello_interval* and *udld_num_entry*.
  - Container *bfd-vxlan* with leaves *bfd_vxlan_hello_interval* and *bfd_vxlan_num_entry*.
  - Container *bfd-l3* with leaves *bfd_l3_hello_interval* and *bfd_l3_num_entry*.
  - Container *fcoe* with leaves *fcoe_hello_interval* and *fcoe_num_entry*.

- Container *kap* was added in augment to brocade-rbridge -> *hardware-profile* (container) with the following attributes:

  - Container *predefined* with leaf *kap_profiletype*.
  - Container *customized* with leaf *kap_profilename*.

brocade-http-config

Provides a data model for configuring HTTP server.

Top-level container

```
module: brocade-http-config
   +--rw http-sa  --->drop-node-name
      +--rw http
         +--rw server
            +--rw shutdown?   empty
```

External augmentations

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

module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw http-config:http
      |  +--rw http-config:server
      |     +--rw http-config: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 *status* was added in augment to common-def:show -> *http* (container) -> *server* (container).

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 ICMP parameters like 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 brocade-interface:interface
      |  |  +--rw ip-config: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-config: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 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
```

brocade-igmp

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

External augmentations

```
module: brocade-rbridge
+--rw rbridge-id [rbridge-id]
   +--rw brocade-interface:interface
      |  |  +--rw ip-config:ip
      |  |  |  +--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:static-group [sg-addr]
      |  |  |  |     +--rw igmp:sg-addr     inet:ipv4-address

module: brocade-interface
+--rw interface-vlan
   |  +--rw interface
   |     +--rw ve [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:static-group [sg-addr]
   |        |  |     +--rw igmp:sg-addr     inet:ipv4-address

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

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?   lmqt-type
   |  |  |     +--rw igmp-snooping:query-interval?               qi-type
   |  |  |     +--rw igmp-snooping:query-max-response-time?      qmrt-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
```

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 such 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?      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-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 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 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 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
```

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                             portchannel-type
   | | +--rw cee?                             cee:cee-map-name-type
   | | +--rw vlag
   | | | +--rw ignore-split?   empty
   | | +--rw po-speed?                         enumeration  --->alt-
name:speed
   | | +--ro ifindex?                          uint64
   | | +--rw description?                      string
   | | +--rw shutdown?                         empty
   | | +--rw minimum-links?                    uint32
   | | +--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-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 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 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?      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-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 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 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 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
```

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?     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-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 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 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 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
```

interface/hundredgigabitethernet:

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

```
|   +--rw hundredgigabitethernet [name]  --->alt-name:HundredGigabitEthernet
|   |  +--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?      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-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 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 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 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
```

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
      +--rw brocade-interface:interface
      | +--rw brocade-interface:ve [name]
      | | +--rw brocade-interface:name                ve-type
      | | +--rw brocade-interface:bfd
      | | | +--rw brocade-interface:interval
      | | | | +--rw brocade-interface:min-tx?       bfd-tx-interval-type  ---
>drop-node-name
      | | | | +--rw brocade-interface:min-rx?       bfd-rx-interval-type
      | | | | +--rw brocade-interface:multiplier?   bfd-multiplier-type
      | | | +--rw brocade-interface:bfd-shutdown?   empty  --->alt-name:"shutdown"
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following:

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

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

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Leaves *configured-vlans-count*, *provisioned-vlans-count* and *unprovisioned-vlans-count* were added within *output* under RPC *get-vlan-brief*.

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 brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw brocade-interface:name            ve-type
      |  +--rw intf-loopback:loopback [id]  --->alt-name:Loopback
      |     +--rw intf-loopback:id               intf-loopback-port-type
      |     +--rw intf-loopback:vrf
      |     |  +--rw intf-loopback:forwarding?   common-def:vrf-name
      |     +--rw intf-loopback:intf-loopback  --->drop-node-name
      |     |  +--rw intf-loopback:shutdown?   empty
```

brocade-ip-access-list

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

Top-level container

```
module: brocade-ip-access-list
   +--rw ip-acl
      +--rw ip
         +--rw access-list
            +--rw standard [name]
            |  +--rw name                l3-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                l3-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  ---
>alt-name:vlan
                     +--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   l3-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   l3-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   l3-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   l3-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   l3-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?  l3-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 brocade-interface:interface
      |  +--rw brocade-interface:ve [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    l3-acl-policy-name  ---
>drop-node-name
      |  |  |        +--rw ip-access-list:ip-direction      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 *access-group* containing leaves *ip-access-list* and *ip-direction* were added in augment to brocade-rbridge -> *receive* (container). • Leaves *action*, *src-host-ip* and *src-mask* within grouping *ip-std-access-list-rule* were made mandatory true. • Leaves *action*, *src-host-ip, src-mask, sport-number-eq-neq-tcp, sport-number-lt-tcp*, *sport-number-gt-tcp*, *sport-number-eq-neq-udp*, *sport-number-lt-udp*, *sport-number-gt-udp*, *sport-number-range-lower-tcp*, *sport-number-range-lower-udp*, *sport-number-range-higher-tcp*, *sport-number-range-higher-udp*, *dst-host-ip*, *dst-mask*, *dport-number-eq-neq-tcp*, *dport-number-lt-tcp*, *dport-number-gt-tcp*, *dport-number-eq-neq-udp*, *dport-number-lt-udp*, *dport-number-gt-udp*, *dport-number-range-lower-tcp*, *dport-number-range-lower-udp*, *dport-number-range-higher-tcp*, and *dport-number-range-higher-udp* within grouping *ip-ext-access-list-rule* 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-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

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-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

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-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

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-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

module: brocade-interface
   +--rw interface
   |  +--rw port-channel [name]
```

```
| | +--rw ip
| | | +--rw ip-config:hide-ip-holder --->drop-node-name
| | | | +--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-aging-timeout?   uint32
| | | | +--rw ip-config:address [address]
| | | |    +--rw ip-config:address      union
| | | |    +--rw ip-config:secondary?   empty

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
      +--rw brocade-interface:interface
      | +--rw brocade-interface:ve [name]
      | | +--rw ip-config: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-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

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

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Type of leaf *address* within list *address* was changed to *union*. *common-def:ipv4-prefix-mask* and *inet:ipv4-prefix types* type support was added.

brocade-ip-policy

Provides a data model for managing IP route policies.

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

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

Top-level container

```
module: brocade-ip-policy
  +--rw hide-routemap-holder  --->drop-node-name
  |  +--rw route-map [name action-rm instance]
  |     +--rw name           common-def:name-string63  --->drop-node-name
  |     +--rw action-rm     action-t  --->drop-node-name
  |     +--rw instance      instance-id-t  --->drop-node-name
  |     +--rw content  --->drop-node-name
  |        +--rw match
  |        |  +--rw vrf?             common-def:vrf-name
  |        |  +--rw interface
  |        |  |  +--rw tengigabitethernet-rmm*      interface:interface-type  --->alt-name:tengigabitethernet
  |        |  |  +--rw gigabitethernet-rmm*         interface:interface-type  --->alt-name:gigabitethernet
  |        |  |  +--rw fortygigabitethernet-rmm*    interface:interface-type  --->alt-name:fortygigabitethernet
  |        |  |  +--rw hundredgigabitethernet-rmm*  interface:interface-type  --->alt-name:hundredgigabitethernet
  |        |  |  +--rw port-channel-rmm*            interface:channel-group-type  --->alt-name:port-channel
  |        |  |  +--rw vlan-rmm*                    interface:vlan-type  --->alt-name:vlan
  |        |  |  +--rw loopback*                    loopback-intf:intf-loopback-port-type
  |        |  |  +--rw ve*                          interface:ve-type
  |        |  +--rw ipv6
  |        |  |  +--rw address
  |        |  |  |  +--rw ipv6-prefix-list-rmm?  ipv6-prefix-name-t  ---->alt-name:prefix-list
  |        |  |  |  +--rw ipv6-acl-rmm?          ipv6-access-list:ipv6-l3-acl-policy-name  --->alt-name:acl
  |        |  |  +--rw next-hop
  |        |  |  |  +--rw ipv6-prefix-list-rmm-n?  ipv6-prefix-name-t  --->alt-name:prefix-list
  |        |  |  +--rw route-source
  |        |  |     +--rw ipv6-prefix-list-rmrs?  string  --->alt-name:prefix-list
  |        |  +--rw ip
  |        |  |  +--rw address
  |        |  |  |  +--rw prefix-list-rmm?  ip-prefix-name-t  --->alt-name:prefix-list
  |        |  |  |  +--rw acl-rmm?          ip-access-list:l3-acl-policy-name  --->alt-name:acl
  |        |  |  +--rw next-hop
  |        |  |  |  +--rw prefix-list-rmm-n?  ip-prefix-name-t  --->alt-name:prefix-list
  |        |  |  +--rw route-source
  |        |  |     +--rw prefix-list-rmrs?  string  --->alt-name:prefix-list
  |        |  +--rw extcommunity
  |        |  |  +--rw extcommunity-num?  extcommunitylist-expr  --->drop-node-name
  |        |  +--rw metric
  |        |  |  +--rw metric-rmm?  metric-t  --->drop-node-name
  |        |  +--rw route-type
  |        |  |  +--rw route-type-rmm?  match-route-type-t  --->drop-node-name
  |        |  +--rw tag
  |        |  |  +--rw tag-rmm*  tag-t  --->drop-node-name
  |        |  +--rw as-path
  |        |  |  +--rw as-path-access-list-name?  ip-as-path-name-t  --->drop-node-name
```

```
|          | +--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:channel-
    group-type
          |     |  |  +--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 brocade-interface:interface
       |  +--rw brocade-interface:ve [name]
   |  |  |  +--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 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-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?  --->drop-node-name

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 *vrf* was added within container *match* under *hide-routemap-holder* (container) -> *route-map* (list) -> *content* (container). • Leaf *vrf* was added within container *match* in augment to brocade-rbridge -> *route-map* (container) -> *content* (container).

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
                  +--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

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 brocade-interface:interface
     |  +--rw brocade-interface:ve [name]
     |  |  +--rw ipv6-config: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?  --->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 *access-group* containing leaves *ipv6-access-list* and *ipv6-direction* were added in augment to brocade-rbridge -> *receive* (container).

brocade-ipv6-config

Provides a data model to manage the configuration and RPC implementation for 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-intf-loopback
  +--rw hide-intf-loopback-holder
    +--rw interface
      +--rw loopback [id]+--rw ip-config:ip
        | +--rw ip-config:ip-config
        |   +--rw ip-config:address [address]
        |     +--rw ip-config:address    intf-loopback:intf-loopback-ipv4addr-
type
        +--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

module: brocade-rbridge
  +--rw rbridge-id [rbridge-id]
    +--rw brocade-interface:interface
    | +--rw brocade-interface:ve [name]
    | | +--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: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-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
```

brocade-ipv6-nd-ra

Provides a data model to manage the Neighbor Discovery and Router Advertisement 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 brocade-interface:interface
      |  |  +--rw ip-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: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
       |   |   |   |       |               +--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 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: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-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
     | |   |   | +--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
```

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: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 *bfd-ipv6-interval-attributes* containing leaves *interval*, *min-rx*, and *multiplier* were added in augment to /rbridge:rbridge-id/rbridge:ipv6/ipv6-route:route/ipv6-route:static/ipv6-route:bfd. • Leaf *ipv6-holdover-interval* was added under grouping *bfd-ipv6-holdover-interval-config* in augment to /rbridge:rbridge-id/rbridge:ipv6/ipv6-route:route/ipv6-route:static/ipv6-route:bfd. • Leaves *bfd-ipv6-static-route-dest* and *bfd-ipv6-static-route-src* were added within list *bfd-ipv6-static-route* in the augment to /rbridge:rbridge-id/rbridge:ipv6 -> *route* (container) -> *static* (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
```

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
```

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 *aggregator-id* was added within case *get-request* and leaf *last-aggregator-id* was added within case *get-next-request* under RPC *get-port-channel-detail*.

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 (PODs).

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
```

Display DPOD (Dynamic ports on demand) 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
```

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

module: brocade-common-def
   +--rw show
   |  +--rw linecard-management:linecardinfo  --->drop-node-name
   |  +--rw linecard-management:sfminfo  --->drop-node-name
   |  +--rw linecard-management:mminfor  --->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:mminfor  --->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 off 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: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
   |  |  +--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

This module is an extension to 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-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
```

brocade-logical-chassis

Provides 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
```

brocade-mac-access-list

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

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

Top-level container

```
module: brocade-mac-access-list
   +--rw mac
      +--rw access-list
         +--rw standard [name]
         |  +--rw name                 mac-acl-name
         |  +--rw hide-mac-acl-std  --->drop-node-name
         |     +--rw seq [seq-id]
         |        +--rw seq-id              uint64
         |        +--rw action?             enumeration
         |        +--rw source              union  --->drop-node-name
         |        +--rw srchost?            mac-address-type  --->drop-node-name
         |        +--rw src-mac-addr-mask?  src-dst-mac-address-mask-type  --->drop-
node-name
         |        +--rw count?              empty
         |        +--rw log?                empty
         +--rw extended [name]
            +--rw name                 mac-acl-name
            +--rw hide-mac-acl-ext  --->drop-node-name
               +--rw seq [seq-id]
               +--rw seq-id              uint64
               +--rw action?             enumeration  --->drop-node-name  ---
>drop-node-name
               +--rw source              union  --->drop-node-name
               +--rw srchost?            mac-address-type  --->drop-node-name
               +--rw src-mac-addr-mask?  src-dst-mac-address-mask-type  --->drop-
node-name
               +--rw dst                 union  --->drop-node-name
               +--rw dsthost?            mac-address-type  --->drop-node-name
               +--rw dst-mac-addr-mask?  src-dst-mac-address-mask-type  --->drop-
node-name
               +--rw ethertype?          union  --->drop-node-name
               +--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 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
   |  +--rw tengigabitethernet [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 fortygigabitethernet [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 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 Monitoring and Alerting Policy Suite (MAPS) feature.

External augmentations

```
module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw maps:maps
      |  +--rw maps:enable
      |  |  +--rw maps:policy?    string
      |  |  +--rw maps:actions?   maps-action-type
      |  +--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
```

brocade-maps-ext

Provides a data model to show 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-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.

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 mld
            +--rw snooping
               +--rw enable?                        empty
```

External augmentations

```
module: brocade-interface
   +--rw interface-vlan
   |  +--rw interface
   |     +--rw vlan [name]
   |     |  +--rw ipv6
   |     |  |  +--rw mld-snooping:mldVlan  --->alt-name:mld
   |     |  |     +--rw mld-snooping:last-member-query-interval?   lmqt-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:qenable?   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 brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw ipv6-config:ipv6
      |  |  |  +--rw mld-snooping:ipv6-ve-intf-cmds  --->drop-node-name
      |  |  |  |  +--rw mld-snooping:hop-by-hop-trap?   empty
```

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 of, 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-ntp

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

Top-level container

```
module: brocade-ntp
   +--rw ntp
      +--rw server [ip]
      |  +--rw ip      inet:ip-address
      |  +--rw key?    uint32
      +--rw authentication-key [keyid]
      |  +--rw keyid               uint32
      |  +--rw (encryption-type)
      |  |  +--:(md5-type)
      |  |  |  +--rw md5?                string
      |  |  +--:(sha1-type)
      |  |     +--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)?
            +--:(ipv4-6)
            |  +--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 *md5* within *case md5-type* and leaf *sha1* within *case sha1-type* were added under *choice encryption-type* within container *ntp*. • Leaf *source-ip* was added within container *ntp*.

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"
```

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:default-forwarding-action?   enumeration
      |     +--rw openflow:activate?                     empty
```

History

Release version	History
6.0.1	This Yang Module was introduced.

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                              string
      |  |  +--rw ospf:database-overflow-interval?      common-def:time-interval-sec
      |  |  +--rw ospf:default-information-originate?
      |  |  |  +--rw ospf:always?                 empty
      |  |  |  +--rw ospf:def-orig-metric?        uint32  --->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  --->alt-name:"checksum"
      |  |  |  +--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:no-summary1?   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: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  --->alt-name:"key-id"  --->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  --->drop-node-name
    |   |  |     +--rw ospf:route-map?  common-def:name-string63
    |   |  |     +--rw ospf:in?         empty
    |   |  +--rw ospf:max-metric
    |   |  |  +--rw ospf:router-lsa?
    |   |  |     +--rw ospf:all-vrfs?      empty
    |   |  |     +--rw ospf:all-lsas?      empty
    |   |  |     +--rw ospf:external-lsa?
    |   |  |     |  +--rw ospf:external-lsa-val?  uint32  --->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 brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw ip-config:ip
      |  |  |  +--rw ospf:interface-vlan-ospf-conf  --->drop-node-name
      |  |  |  |  +--rw ospf:ospf1  --->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  --->alt-name:"key-id"  --->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: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-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw brocade-interface:interface
      |  +--rw intf-loopback:loopback [id]
```

```
       |        +--rw ip-config:ip
       |           +--rw ospf:interface-loopback-ospf-conf   --->drop-node-name
       |              +--rw ospf:ospf1   --->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   --->alt-name:"key-id"   --->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: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 fortygigabitethernet [name]
   | | +--rw ip
   | | | +--rw ospf:interface-fo-ospf-conf   --->drop-node-name
   | | | | +--rw ospf:ospf1   --->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   --->alt-name:"key-id"   --->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: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:ospf1  --->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   --->alt-name:"key-id"  --->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: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 tengigabitethernet [name]
   | | +--rw ip
   | | | +--rw ospf:interface-te-ospf-conf  --->drop-node-name
   | | | | +--rw ospf:ospf1  --->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   --->alt-name:"key-id"   --->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: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:ospf1   --->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   --->alt-name:"key-id"   --->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: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
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Container *nssa-translator* was removed from *global-ospf* grouping from within the augment to /rbridge:rbridge-id/rbridge:router. • Container *global-bfd* containing leaves *bfd-enable* and *holdover-interval* were added within list *ospf* in the augment to /rbridge:rbridge-id/rbridge:router. • Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /rbridge:rbridge-id/interface:interface/interface:ve/ip-config:ip. • Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /rbridge:rbridge-id/interface:interface/intf-loopback:loopback/ip-config:ip. • Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /interface:interface/interface:fortygigabitethernet/interface:ip. • Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /interface:interface/interface:hundredgigabitethernet/interface:ip. • Container *bfd* containing leaf *intf-bfd-enable* was added within container *ospf1* in the augment to /interface:interface/interface:tengigabitethernet/interface:ip.

brocade-ospfv3

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

External augmentations

```
module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw ipv6
      |  +--rw router
      |  |  +--rw ospfv3:ospf [vrf]
      |  |     +--rw ospfv3:vrf                                      common-def:vrf-
name
      |  |        +--rw ospfv3:area [area-id] --->drop-node-name
      |  |        |  +--rw ospfv3:area-id            ospf:ospf-area-id
      |  |        |  +--rw ospfv3:nssa?
      |  |        |  |  +--rw ospfv3:metric  --->drop-node-name
      |  |        |  |  |  +--rw ospfv3:nssa-area-metric?   uint32  --->drop-node-name
      |  |        |  |  +--rw ospfv3:area-default-information-originate?  --->alt-
name:"default-information-originate"
      |  |        |  |  |  +--rw ospfv3:area-default-information-originate-
metric?       uint32  --->alt-name:"metric"
      |  |        |  |  |  +--rw ospfv3:area-default-information-originate-metric-
type?   ospf:metric-type  --->alt-name:"metric-type"
      |  |        |  |  +--rw ospfv3:no-redistribution?                   empty
      |  |        |  |  +--rw ospfv3:nssa-area-no-summary?                empty  ---
>alt-name:"no-summary"
      |  |        |  |  +--rw ospfv3:translator-always?                   empty
      |  |        |  |  +--rw ospfv3:translator-interval?                 common-
def:time-interval-sec
      |  |        |  +--rw ospfv3:stub
      |  |        |  |  +--rw ospfv3:stub-area-no-summary?   empty  --->alt-name:"no-
summary"
      |  |        |  |  +--rw ospfv3:stub-area-metric?        uint32  --->drop-node-name
      |  |        |  +--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:virtual-link [virtual-link-neighbor]
      |  |        |  |  +--rw ospfv3:virtual-link-neighbor    inet:ipv4-address
      |  |        |  |  +--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
      |  |        |  |     +--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: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?  --->alt-name:"route-
map"             common-def:name-string63
```

```
        |  |      |  |  +--rw ospfv3:redistribute-connected-metric?        uint32  ---
>alt-name:"metric"
        |  |      |  |  +--rw ospfv3:redistribute-connected-metric-type?  ospf:metric-
type  --->alt-name:metric-type
        |  |      |  +--rw ospfv3:redistribute-static?  --->alt-name:"static"
        |  |      |  |  +--rw ospfv3:static-route-map?                     common-def:name-
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

module: brocade-interface
   +--rw interface
   |  +--rw fortygigabitethernet [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 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-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw ipv6-config: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-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw brocade-interface:interface
      |  +--rw intf-loopback:loopback [id]
```

```
| |  +--rw ipv6-config: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
| |  |  |  +--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
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following:

This Yang Module was modified to include the following:

- Container *log* containing the following attributes were added within container *redistribute*:
  - Container *log-adjacency* containing leaf *log-adjacency-dr-only*.
  - Leaf *log-all*
  - Container *log-bad-packet* containing leaf *log-bad-packet-checksum*.
  - Leaf *log-database*.
  - leaf *log-retransmit*.
- Container *bfd* containing leaves *bfd-enable* and *bfd-holdover-interval* were added in the augment to /rbridge:rbridge-id/rbridge:ipv6/rbridge:router.
- Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:gigabitethernet/interface:ipv6.
- Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:tengigabitethernet/interface:ipv6.
- Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:fortygigabitethernet/interface:ipv6.
- Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /interface:interface/interface:hundredgigabitethernet/interface:ipv6.
- Container *bfd* containing leaf *bfd-enable* was added within container *interface-ospfv3-conf* in the augment to /rbridge:rbridge-id/interface:interface/interface:ve/ipv6-config:ipv6.

brocade-pim

Provides a data model to configure PIM.

External augmentations

```
module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw router
      |  +--rw pim:hide-pim-holder
      |     +--rw pim:pim?
      |        +--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:spt-threshold?      spt-thr-type
      |        +--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 tengigabitethernet [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 brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
```

```
|  |  +--rw ip-config:ip
|  |  |  +--rw pim:pim-intf-vlan-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
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Leaf *prefix-list* was added under list *rp-address* in the augment to /rbridge:rbridge-id/rbridge:router. • Leaf *ttl-threshold* was removed and leaf *neighbor-filter* was added under container *pim*.

brocade-policer

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

It 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 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, 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. Port profile domain can be viewed as a 4k VLAN space. Brocade switch can contain multiple port profile domains extending the traditional 4k VLAN space to support multi tenancy.

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

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

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

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

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
```

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 data model to manage 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 *show-bare-metal-state* containing leaf *bare-metal-state* was added under grouping *bfd-static-route-config* . • Leaf *bare-metal-state* was added in the augment to common-def:show -> *bare-metal* (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

module: brocade-interface
   +--rw interface
   |  +--rw tengigabitethernet [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: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:pfc [pfc-cos]
| | |       +--rw qos:pfc-cos                 int32  --->alt-name:cos  --->drop-
node-name
| | |       +--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  --->alt-name:cos  --->drop-
node-name
   | |   |       +--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   --->alt-name:cos   --->drop-
node-name
|   |   |           +--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   --->alt-name:cos   --->drop-
node-name
   |   |   |           +--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 to log collections, such as those used by support save 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?       string
   |  |  |  +--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?       string
   |  |  |  +--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/Disable memory:

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

Enable/Disable 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 *use-vrf* was added in the augment to brocade-ras within *logging* (container) -> *syslog-server* (list). • Leaves *chassis-name* and *host-name* was removed from the container *switch-attributes*. • Key of list *syslog-server* under container *logging* was changed from *syslogip* to *syslogip use-vrf*.

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: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
```

brocade-rbridge

Provides a data model for managing routing bridge IDs.

Top-level container

```
module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw rbridge-id                         uint32  --->drop-node-name
      +--ro swbd-number?                       int32

      +--rw ip
      +--rw ipv6
      |  +--rw router
      +--rw router
      +--rw switch-attributes
      |  +--rw chassis-name?   string
      |  +--rw host-name?      string
```

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

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
```

brocade-rtm

Provides a data model for IP routes.

External augmentations

```
module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw ip
      |  +--rw rtm:rtm-config  --->drop-node-name
      |  |  +--rw rtm:router-id?      inet:ipv4-address
      |  |  +--rw rtm:load-sharing?   uint32
      |  |  +--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
      |  |           +--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
      |  |              +--rw rtm:holdover-interval?   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

module: brocade-common-def
   +--rw ip
   |  +--rw rtm:rtm-config  --->drop-node-name
   |     +--rw rtm:router-id?      inet:ipv4-address
   |     +--rw rtm:load-sharing?   uint32
   |     +--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
|             +--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
     | | |       |       +--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
     |  |  |       +--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 *bfd-interval-attributes* containing leaves *interval*, *min-rx*, and *multiplier* was added within list *bfd-static-route* under grouping *bfd-static-route-config* in the augment to /rbridge:rbridge-id/rbridge:ip/rtm:rtm-config/rtm:route/rtm:static/rtm:bfd. • Container *bfd-interval-attributes* containing leaves *interval*, *min-rx*, and *multiplier* was added within list *bfd-static-route* under grouping *bfd-static-route-config* in the augment to /common-def:ip. • Leaf *holdover-interval* was added under grouping *bfd-holdover-interval-config* 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 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 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

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: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 *mac* and *key-exchange* were added within container *client* under container *ssh*. • Leaves *mac* and *key-exchange* were added within container *client* under container *ssh* in the augment to /rbridge:rbridge-id.

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 *use-vrf* was added within *sflow* (container) -> *collector* (list). • Leaf *source-ip* was added within container *sflow*. • Key for list *collector* under container *sflow* was changed from *collector-ip-address collector-port-number* to *collector-ip-address collector-port-number use-vrf*.

brocade-snmp

Provides a data model for configuring the SNMP Server.

Top-level container

```
module: brocade-snmp
   +--rw snmp-server
      +--rw context [context-name]
      |  +--rw context-name    string
      |  +--rw vrf-name?        string
      +--rw community [community]
      |  +--rw community    string
      |  +--rw groupname?   string
      +--rw user [username]
      |  +--rw username         string
      |  +--rw groupname?       string
      |  +--rw auth?            enumeration
      |  +--rw auth-password?   string
      |  +--rw priv?            enumeration
      |  +--rw priv-password?   string
      |  +--rw encrypted?       empty
      +--rw v3host [hostip username]
      |  +--rw hostip           inet:host
      |  +--rw username         string
      |  +--rw udp-port?        host-port
      |  +--rw notifytype?      enumeration
      |  +--rw engineid?        string
      |  +--rw severity-level?  sev-level
      |  +--rw use-vrf?         use-vrf-option
      +--rw 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 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
```

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:use-vrf?          use-vrf-option
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Leaf *use-vrf* was added within list *host* under container *snmp-server*. • Leaf *use-vrf* was added within list *host* within grouping *snmpv3host-group*. • Leaf *use-vrf* was added within list *host* in the augment to brocade-rbridge -> *snmp-server* (container) -> *v3host* (list).

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 an 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 the below components by alerting the user when thresholds are exceeded.

Monitors the following components:

* 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 support (OAM) of Transparent Interconnection of Lots of Links (TRILL).

Specifically, it 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 *l2traceroutedone* was added to *output* within RPC *l2traceroute*.

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 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 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 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 activate?   empty
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Leaf *bfd-enable* was added within *overlay-gateway* (list) -> *site* (list). • Container *bfd* containing leaves *min-tx*, *min-rx* and *multiplier* was added within container *interval* under *overlay-gateway* (list) -> *site* (list). • Container *bfd* containing leaf *bfd-shutdown* was added under *overlay-gateway* (list) -> *site* (list).

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-wwn?            string
   |     +--ro co-ordinator-wwn?                string
   |     +--ro vcs-cluster-type-info?           vcs-cluster-type
   |     +--ro vcs-guid?                        string
   |     +--ro virtual-ip-address?              string
   |     +--ro virtual-ipv6-address?            string
   |     +--ro total-nodes-in-cluster?          uint16
   |     +--ro nodes-disconnected-from-cluster?   uint16
   |     +--ro cluster-generic-status?          string
   |     +--ro cluster-specific-status?         string
   |     +--ro vcs-nodes
   |        +--ro vcs-node-info
   |           +--ro node-num?                  uint16
   |           +--ro node-serial-num?           string
   |           +--ro node-condition?            string
   |           +--ro node-status?               string
   |           +--ro node-hw-sync-state?        node-hw-sync-state-type
   |           +--ro node-vcs-mode?             string
   |           +--ro node-vcs-id?               uint16
   |           +--ro node-rbridge-id?           uint16
   |           +--ro node-is-principal?         boolean
   |           +--ro co-ordinator?              boolean
   |           +--ro node-switch-mac?           yang:mac-address
   |           +--ro node-switch-wwn?           string
   |           +--ro switch-fcf-mac?            yang:mac-address
   |           +--ro node-internal-ip-address?   inet:ipv4-address
   |           +--ro node-public-ip-addresses
   |           |  +--ro node-public-ip-address?   inet:ipv4-address
```

```
|               +--ro node-public-ipv6-addresses
|               | +--ro node-public-ipv6-address?   inet:ipv6-address
|               +--ro firmware-version?             string
|               +--ro node-swbd-number?             int32
|               +--ro node-switchname?              string
|               +--ro node-switchtype?              string
|               +--ro node-switch-subtype?          uint16
|               +--ro node-switch-description?      string
|               +--ro manufacturer-name?            string
|               +--ro node-state?                   node-state-type
|               +--ro node-fabric-state?            string
+---x get-vcs-details
|  +--ro output
|     +--ro vcs-details
|        +--ro principal-switch-wwn?   string
|        +--ro co-ordinator-wwn?       string
|        +--ro local-switch-wwn?       string
|        +--ro node-vcs-mode?          boolean
|        +--ro node-vcs-type?          vcs-cluster-type
|        +--ro node-vcs-id?            uint32
+---x vcs-rbridge-config
|  +--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
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Leaf *virtual-ipv6-address* was added under RPC *show-vcs*. • RPC *vcs-rbridge-config* containing leaves *vcs-id* and *rbridge-id* was added.

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

This module manages 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-distiniguisher?   rd-type  --->alt-name:"rd"
    |  +--rw vrf:address-family
    |  |  +--rw vrf:ip  --->alt-name:"ipv4"
    |  |  |  +--rw vrf:unicast?
    |  |  |     +--rw vrf:max-route?   uint32
    |  |  +--rw vrf:ipv6
    |  |     +--rw vrf:unicast?
    |  |        +--rw vrf:max-route?      uint32
    |  +--rw vrf:ip
    |     +--rw vrf:vrf-router-id?   inet:ipv4-address  --->alt-name:"router-id"
```

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 brocade-interface:protocol
      |  +--rw vrrp:hide-vrrp-holder  --->drop-node-name
      |     +--rw vrrp:vrrp?            empty
      |     +--rw vrrp:vrrp-extended?   empty
      +--rw brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw brocade-interface:name                ve-type
      |  |  +--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
      |  |  +--rw vrrp:vrrpe [vrid]  --->alt-name:"vrrp-extended-group"
      |  |  |  +--rw vrrp:vrid                          vrid-type
      |  |  |  +--rw vrrp:virtual-mac?                  enumeration
      |  |  |  +--rw vrrp:virtual-ip [virtual-ipaddr]
      |  |  |  |  +--rw vrrp:virtual-ipaddr    inet:ipv4-address
      |  |  |  +--rw vrrp:track
      |  |  |  |  +--rw vrrp:network [network-address]  --->drop-node-name
      |  |  |  |  |  +--rw vrrp:network-address    comn:ipv4-prefix-mask
      |  |  |  |  |  +--rw vrrp:network-priority?  uint8  --->alt-name:"priority"
      |  |  |  |  +--rw vrrp:interface [interface-type interface-name]
      |  |  |  |     +--rw vrrp:interface-type    track-iftype
      |  |  |  |     +--rw vrrp:interface-name    track-ifname
      |  |  |  |     +--rw vrrp:track-priority?   uint8
      |  |  |  +--rw vrrp:advertisement-interval?       uint32
      |  |  |  +--rw vrrp:enable?                       empty
      |  |  |  +--rw vrrp:hold-time?                    uint32
      |  |  |  +--rw vrrp:preempt-mode?                 empty
      |  |  |  +--rw vrrp:arp
      |  |  |  |  +--rw vrrp:unicast-request
      |  |  |  |     +--rw vrrp:receive?   empty
      |  |  |  +--rw vrrp:priority?                     uint8
      |  |  |  +--rw vrrp:description?                   string
      |  |  |  +--rw vrrp:advertise-backup?             empty
      |  |  |  +--rw vrrp:backup-advertisement-interval?  uint32
      |  |  |  +--rw vrrp:short-path-forwarding
```

```
                      | | | | +--rw vrrp:basic?                empty  --->drop-node-name
                      | | | | +--rw vrrp:revert-priority?  uint8
                      | | | +--rw vrrp:advertisement-interval-scale?    uint32
       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-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 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:hide-vrrp-holer  --->drop-node-name
   |  |  |  +--rw vrrp:vrrp [vrid version]  --->alt-name:"vrrp-group"
   |  |  |     +--rw vrrp:vrid                       vrid-type
   |  |  |     +--rw vrrp:version                    uint8
   |  |  |     +--rw vrrp:virtual-ip [virtual-ipaddr]
   |  |  |     |  +--rw vrrp:virtual-ipaddr    inet:ipv4-address
   |  |  |     +--rw vrrp:track
   |  |  |     |  +--rw vrrp:interface [interface-type interface-name]  --->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 *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /rbridge:rbridge-id/interface:interface/interface:ve. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface-vlan/interface:interface/ interface:ve. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:port-channel. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:tengigabitethernet. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:gigabitethernet. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:fortygigabitethernet. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/ interface:hundredgigabitethernet. • Leaves *network-address* and *network-priority* was added within list *network* under container *track* in the augment to /rbridge:rbridge-id/ interface:interface/interface:ve .

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 brocade-interface:interface
      |  +--rw brocade-interface:ve [name]
      |  |  +--rw ipv6-config:ipv6
      |  |  |  +--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:network [network-address]
      |  |  |  |  |  |  +--rw vrrpv3:network-address      inet:ipv6-prefix
      |  |  |  |  |  |  +--rw vrrpv3:network-priority?    uint8
      |  |  |  |  |  +--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 [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:network [network-address]
      |  |  |     |  |  +--rw vrrpv3:network-address      common-def:ipv6-address-prefix
      |  |  |     |  |  +--rw vrrpv3:network-priority?   uint8  --->alt-name:"priority"
      |  |  |     |  +--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  --->drop-node-name
            |   |   |          +--rw vrrpv3:revert-priority?   uint8

module: brocade-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw brocade-interface:protocol
      |  +--rw vrrpv3:proto-vrrpv3  --->alt-name:"protocol"  --->drop-node-name
      |     +--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 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: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 [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
```

History

Release version	History
6.0.1	This Yang Module was modified to include the following: • Leaves *network-address* and *network-priority* were added within list *network* under container *track*.

brocade-vswitch

Provides 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 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-vmpolicy-macaddr
   +--ro input
   |  +--ro mac?                  yang:mac-address
   |  +--ro vcenter              string
   |  +--ro datacenter?          string
   |  +--ro last-rcvd-instance?   uint32
   +--ro output
      +--ro vmpolicy-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:pnic?            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:pnic?            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 portgroup to port-profile association

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

brocade-xstp

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

The 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)?
      |     +--:(get-request)
      |     |  +--ro zone-name-pattern?     string
      |     +--:(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
```

brocade-zone

Custom RPCs

The table below 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.
bna-config-cmd	brocade-ras	Copies configuration data to and from the system
bna-config-cmd-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	Return 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-lldp-neighbor-detail	brocade-lldp-ext	Returns the details of all the neighbouring 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.
reload	brocade-ha	Reloads the HA.
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-vmpolicy-macaddr	brocade-vswitch	Takes vCenter name as mandatory input, datacenter name as optional input. All is not supported input anymore. Datacenter name added in output.
get-vnetwork-dvpgs	brocade-vswitch	Takes vCenter name as mandatory input, datacenter name as optional input. All is not supported input anymore. Datacenter name added in output.
get-vnetwork-dvs	brocade-vswitch	Takes vCenter name as mandatory input, datacenter name as optional input. All is not supported input anymore. Datacenter name added in output.
get-vnetwork-hosts	brocade-vswitch	Takes vCenter name as mandatory input, datacenter name as optional input. All is not supported input anymore. Datacenter name added in output.
get-vnetwork-portgroups	brocade-vswitch	Takes vCenter name as mandatory input, datacenter name as optional input. All is not supported input anymore. Datacenter name added in output.
get-vnetwork-vms	brocade-vswitch	Takes vCenter name as mandatory input, datacenter name as optional input. All is not supported input anymore. Datacenter name added in output.
get-vnetwork-vswitches	brocade-vswitch	Takes vCenter name as mandatory input, datacenter name as optional input. All is not supported input anymore. Datacenter 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 Kernet Network Interface Cards (VMKNICs), port-groups, and port-profiles.
get-vnetwork-dvpgs	brocade-vswitch	Returns discovered distributed virtual port-groups.
get-vnetwork-dvs	brocade-vswitch	Returns discovered distributed virtual switches.
get-vnetwork-hosts	brocade-vswitch	Returns discovered hosts.
get-vnetwork-portgroups	brocade-vswitch	Returns discovered port-groups.
get-vnetwork-vms	brocade-vswitch	Returns discovered virtual machines.
get-vnetwork-vswitches	brocade-vswitch	Returns discovered virtual switches.
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-rules	brocade-maps-ext	Retrieves the existing MAPS Policies.
no-vcs-rbridge-context	brocade-vcs	Disables VCS Fabric mode.
reload	brocade-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.

TABLE 5 Custom RPCs (Continued)

RPC name	Host module	Synopsis
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 Gb Ethernet and FCoE ports.
show-raslog	brocade-ras-ext	Returns RASlog entries.
show-support-save-status	brocade-ras-ext	Returns information about the status of a recent support save 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.

Custom RPCs

Actions

The table below lists the actions, their locations, and a brief description of its purpose.

TABLE 6   Actions

Action name	Host module	Node	Purpose
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/:	This function is to get 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	Check 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	Display certificate details
chassis	brocade-beacon	beacon/disable	Disables the chassis beacon

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
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/fscp/authsecret	Return 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.
disable	brocade-chassis	chassis/beacon	Disables the chassis beacon

TABLE 6   Actions (Continued)

Action name	Host module	Node	Purpose
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 DPOD 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-tests (POSTs)
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.
firmwaredownloadstatus	brocade-firmware-ext	common-def:show/firmware	Returns the firmware download status.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
firmware-features	brocade-firmware-ext	common-def:show/firmware	Show 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.
interface	brocade-beacon	beacon/enable	Enables the interface beacon.

TABLE 6   Actions (Continued)

Action name	Host module	Node	Purpose
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.
ldapcacert	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/mminfor	Management module.
module	brocade-ras-ext	rasman	Displays the details of the given ras module name.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
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, includes the multicast tree, its root, priority, and so on. A multicast tree is a loop free tree consisting of all nodes in cluster. Usually, the node with lowest RBridge-ID becomes the root. BUM traffic is always forwarded on the multicast tree (regardless of VLAN ID)
mypubkey	brocade-crypto-ext	common-def:show/crypto/key	Dsplays 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.

TABLE 6   Actions (Continued)

Action name	Host module	Node	Purpose
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.
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.
prbstest	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	Sanity check on the firmware download.
scp	brocade-firmware	firmware/download	Downloads firmware with SCP.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
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.
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 user name length error message.
sshkey	brocade-certutil	common-def:show/certutil:cert-util	Displays user name length error message.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
start	brocade-ha	ha/sync	Syncs up the system.
status	brocade-diagnostics	common-def:show	Displays currenly running diagnostic tests.
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 timezone 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.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
tftp	brocade-firmware	firmware/download/logical-chassis/default-config	Downloads firmware with TFTP for logical chassis.
topology	brocade-fabric-service	fabric/route	Topology is the layout pattern of interconnections of the various elements. This function 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.

TABLE 6 Actions (Continued)

Action name	Host module	Node	Purpose
zonemember	brocade-nameserver	common-def:show/:	Displays all nodes zoned with a device matching a specified WWN or PID.

Actions