



Extreme SLX-OS YANG Reference Guide, 20.6.1

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

9038058-00 Rev AA



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Preface

Read the following topics to learn about:

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

Text Conventions

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

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

Table 1: Notes and warnings






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

Table 2: Text

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

Table 3: Command syntax

Convention	Description
bold text	Bold text indicates command names, keywords, and command options.
<i>italic text</i>	Italic text indicates variable content.
[]	Syntax components displayed within square brackets are optional. Default responses to system prompts are enclosed in square brackets.
{ x y z }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
x y	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, such as passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, <i>member [member...]</i> .
\	In command examples, the backslash indicates a “soft” line break. When a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

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

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Provide as much detail as possible including the publication title, topic heading, and page number (if applicable), along with your comments and suggestions for improvement.



About This Document

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What's New in this Document

This document is released with the SLX-OS 20.6.1 software release.

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

The following YANGs are modified for this release.

- [brocade-aaa](#)
- [brocade-sflow](#)

Supported Hardware

SLX-OS 20.6.1 supports the following hardware platforms.

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



Note

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

All configurations and software features that are applicable to SLX 9740 devices are also applicable for the Extreme 8820 devices.

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

**Note**

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

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



Using YANG

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YANG overview

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

Using the SLX-OS YANG Reference Guide

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

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

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

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

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

```
module:
  +--rw interface
  |   +--rw fc-port [name]
  |       +--rw name                interface-type
  |       +--rw fc-speed-cfg?       fc-speed-cfg-type
  |       +--rw fill-word?          fc-fillword-cfg-type
  |       +--rw vc-link-init?       fc-vc-link-init-cfg-type
  |       +--rw isl-r_rdy-mode?     empty
  |       +--rw trunk-enable?      empty
  |       +--rw shutdown?          empty
```

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

Table 4: Field descriptions

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



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brocade-aaa

Top-level container

```

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

```

```

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

```

```

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

```

```

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

```


brocade-aaa-ext

RPCs

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

brocade-acl-policy

Top-level container

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

brocade-arp

Top-level container

```

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

```

RPCs

Return ARP entries of the managed entity:

```

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

```

brocade-app-telemetry

Top-level container

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

brocade-beacon

Top-level container

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

brocade-bridge-domain

Top-level container

```

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

```

```

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

```

brocade-certutil

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

Top-level container

```

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

External augmentations

```

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


brocade-chassis

Top-level container

```

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

```

Actions

Enable the chassis:

```

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

```

Disable the chassis:

```

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

```

Enable the chassis beacon:

```

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

```

Disable the chassis beacon:

```

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

```

Set the airflow direction to port-side-intake:

```

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

```

Set the airflow direction to port-side-exhaust:

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

brocade-clock

Top-level container

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

External augmentations

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

RPCs

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

brocade-common-def

Top-level container

```

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

```

```

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

```

```

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

```

```

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

```

```

| | +--rw brcd-sec-services:server
| |   +---x brcd-sec-services:status
| +--rw brcd-sec-services:ssh
| |   +--rw brcd-sec-services:server
| |     | +---x brcd-sec-services:status
| |     +--rw brcd-sec-services:client
| |       +---x brcd-sec-services:status
| +--rw brcd-sec-services:selinux
| |   +---x brcd-sec-services:status
| |     +--ro brcd-sec-services:output
| |       +--ro brcd-sec-services:status-output?   string
| +--rw snmp-server:snmp-server
| |   +---x snmp-server:status
| |     +--ro snmp-server:output
| |       +--ro snmp-server:server* [vrf]
| |         +--ro snmp-server:vrf                 string
| |         +--ro snmp-server:status?           server-status
| +--rw sysmgr:bpswitch
| |   +--rw sysmgr:show-stats
| |     +---x sysmgr:stats
| |       +---w sysmgr:input
| |         +---w (show-bpswitch-type)?
| |           +---:(stats1)
| |             | +---w sysmgr:port?             uint32
| |             +---:(stats2)
| |               +---w sysmgr:global?          empty
| +--rw system-monitor-extensions:system
| |   +---x system-monitor-extensions:monitor
| |     +--ro system-monitor-extensions:output
| |       +--ro system-monitor-extensions:switch-status*
| |         +--ro system-monitor-extensions:switch-name?   string
| |         +--ro system-monitor-extensions:switch-ip?     inet:ip-address
| |         +--ro system-monitor-extensions:report-time?   ietfyang:date-and-
time
| |           +--ro system-monitor-extensions:switch-state? system-monitor-
health-state-enum
| |             +--ro system-monitor-extensions:component-status*
| |               | +--ro system-monitor-extensions:component-name?   string
| |               | +--ro system-monitor-extensions:component-state?   system-monitor-
health-state-enum
| |                 +--ro system-monitor-extensions:faulty-port*
| |                 +--ro system-monitor-extensions:port-name?   string
| +--rw threshold-monitor-extensions:threshold
| |   +--rw threshold-monitor-extensions:monitor
| |     +---x threshold-monitor-extensions:route
| |       +--ro threshold-monitor-extensions:output
| |         | +--ro threshold-monitor-extensions:ipv4-route-profile-limit?   uint32
| |         | +--ro threshold-monitor-extensions:ipv6-route-profile-limit?   uint32
| |         | +--ro threshold-monitor-extensions:ipv4-route-entry?           uint32
| |         | +--ro threshold-monitor-extensions:ipv6-route-entry?           uint32
| |         | +--ro threshold-monitor-extensions:ipv4-route-usage?           uint8
| |         | +--ro threshold-monitor-extensions:ipv6-route-usage?           uint8
| |         | +--ro threshold-monitor-extensions:route-hw-usage?             uint8
| |         +---x threshold-monitor-extensions:host
| |           +--ro threshold-monitor-extensions:output
| |             | +--ro threshold-monitor-extensions:arp-profile-limit?       uint32
| |             | +--ro threshold-monitor-extensions:nd-profile-limit?       uint32
| |             | +--ro threshold-monitor-extensions:arp-entry?              uint32
| |             | +--ro threshold-monitor-extensions:nd-entry?               uint32
| |             | +--ro threshold-monitor-extensions:arp-usage?               uint8
| |             | +--ro threshold-monitor-extensions:nd-usage?               uint8
| |             | +--ro threshold-monitor-extensions:host-hw-usage?          uint8
| |             +---x threshold-monitor-extensions:nextthop
| |           +--ro threshold-monitor-extensions:output

```



```

| | | +--ro threshold-monitor-extensions:nexthop-profile-limit? uint32
| | | +--ro threshold-monitor-extensions:rh-flowset-profile-limit? uint32
| | | +--ro threshold-monitor-extensions:nexthop-entry? uint32
| | | +--ro threshold-monitor-extensions:rh-flowset-entry? uint32
| | | +--ro threshold-monitor-extensions:nexthop-usage? uint8
| | | +--ro threshold-monitor-extensions:rh-flowset-usage? uint8
| | | +--ro threshold-monitor-extensions:nexthop-hw-usage? uint8
| | | +--ro threshold-monitor-extensions:encap-usage? uint8
| | +---x threshold-monitor-extensions:ecmp
| | | +--ro threshold-monitor-extensions:output
| | | | +--ro threshold-monitor-extensions:ecmp-profile-limit? uint32
| | | | +--ro threshold-monitor-extensions:ecmp-entry? uint32
| | | | +--ro threshold-monitor-extensions:ecmp-usage? uint8
| | | | +--ro threshold-monitor-extensions:ecmp-hw-usage? uint8
| +--rw tpvm:tpvm
| | +---x tpvm:status
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:debug? boolean
| | | | +---w tpvm:clear-tag? string
| | | | +---w tpvm:blade? bladeType
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-status-msg? string
| | | | +--ro tpvm:additional-status? string
| | | | +--ro tpvm:tpvm-state? tpvmStateType
| | | | +--ro tpvm:version? string
| | | | +--ro tpvm:auto-boot-enabled? empty
| | | | +--ro tpvm:allow-pwless-enabled? empty
| | | | +--ro tpvm:upgrade-fail-reason? string
| | | | +--ro tpvm:reboot-required? empty
| | +---x tpvm:status-history
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:blade? bladeType
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-status-history-msg? string
| | +---x tpvm:service-port
| | | +---w tpvm:input
| | | | +---w tpvm:blade? bladeType
| | | | +---w tpvm:debug? boolean
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-service-port-msg? string
| | +---x tpvm:ip-address
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:blade? bladeType
| | | | +---w tpvm:debug? boolean
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-ipaddr-msg? string
| | +---x tpvm:disk
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:name union
| | | | +---w tpvm:blade? bladeType
| | | | +---w tpvm:debug? boolean
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-show-disk-msg? string
| +--rw tpvm:config
| | +---x tpvm:ldap
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-ldap-config-msg? string
| | +---x tpvm:ntp

```

```

| | | | +---w tpvm:input
| | | | | +---w tpvm:tpvmid? string
| | | | +---ro tpvm:output
| | | | +---ro tpvm:tpvm-ntp-config-msg? string
| | | +---x tpvm:dns
| | | | +---w tpvm:input
| | | | | +---w tpvm:tpvmid? string
| | | | +---ro tpvm:output
| | | | +---ro tpvm:tpvm-dns-config-msg? string
| | | +---rw tpvm:system-attributes
| | | | +---x tpvm:hostname
| | | | | +---w tpvm:input
| | | | | | +---w tpvm:tpvmid? string
| | | | | +---ro tpvm:output
| | | | | +---ro tpvm:tpvm-sys-config-msg? string
| | | | +---x tpvm:timezone
| | | | | +---w tpvm:input
| | | | | | +---w tpvm:tpvmid? string
| | | | | +---ro tpvm:output
| | | | | +---ro tpvm:tpvm-sys-config-msg? string
| | | +---x tpvm:trusted-peer
| | | | +---w tpvm:input
| | | | | +---w tpvm:tpvmid? string
| | | | +---ro tpvm:output
| | | | +---ro tpvm:tpvm-trusted-peer-config-msg? string
| | +---x tpvm:snapshot
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | +---ro tpvm:output
| | | +---ro tpvm:domain-name? string
| | | +---ro tpvm:domain-version? string
| | | +---ro tpvm:snapshot-time? string
| | | +---ro tpvm:snapshot-size? string
| +---rw bmc:bmc
| | +---x bmc:status
| +---rw cfg-mgmt:config-drift-track
| | +---x cfg-mgmt:values
| | | +---ro cfg-mgmt:output
| | | +---ro cfg-mgmt:drift-ts? uint64
| | | +---ro cfg-mgmt:drift-counter? uint64
| | +---x cfg-mgmt:status
| | | +---ro cfg-mgmt:output
| | | +---ro cfg-mgmt:status? driftTrackStatus
| +---rw remote_att:remote-attestation
| | +---x remote_att:status
| | | +---ro remote_att:output
| | | | +---ro remote_att:show-remote-att-status*
| | | | +---ro remote_att:status? string
| | | | +---ro remote_att:registrar-ip? string
| | | | +---ro remote_att:registrar-port? string
| | | | +---ro remote_att:agent-port? string
| | | | +---ro remote_att:uuid? string
| | | | +---ro remote_att:ima-status? string
| | +---x remote_att:boot-aggregate
| | | +---ro remote_att:output
| | | +---ro remote_att:boot-aggregate? string
| +---rw tpm:tpm
| | +---x tpm:ekcert
| | +---x tpm:iakcert
| | +---x tpm:idevidcert
+---rw clear
| +---rw brcd-aaa:login
| | +---x brcd-aaa:sessions
| +---rw ras-extensions:support

```

```

| | +---x ras-extensions:support
| +--rw ras-extensions:logging
| | +---x ras-extensions:raslog
| | | +---w ras-extensions:input
| | | | +---w ras-extensions:message-type? enumeration
| | +---x ras-extensions:auditlog
| +--rw sysmgr:bpswitch
| | +---x sysmgr:clear-stats
+--rw no
| +--rw certutil:certutil
| | +---x certutil:sshkey
| | | +---w certutil:input
| | | | +---w certutil:user string
| | +---x certutil:aaa-cacpiv
| | | +---w certutil:input
| | | | +---w certutil:user string
| | +---x certutil:sshx509v3
| | | +---w certutil:input
| | | | +---w certutil:user string
| +--rw clock-server:clock
| | +---x clock-server:timezone
+--rw brcd-crypto-ext:nocrypto
| | +--rw brcd-crypto-ext:ca
| | | +---x brcd-crypto-ext:authenticate
| | | | +---w brcd-crypto-ext:input
| | | | | +---w brcd-crypto-ext:authenticate_params
| | | | | +---w brcd-crypto-ext:trustpoint string
| | | | | +---w brcd-crypto-ext:cert-type cert-type-enum
| | | +---x brcd-crypto-ext:import
| | | | +---w brcd-crypto-ext:input
| | | | | +---w brcd-crypto-ext:authenticate_params
| | | | | +---w brcd-crypto-ext:trustpoint string
| | | | | +---w brcd-crypto-ext:certificate empty
| | | | | +---w brcd-crypto-ext:cert-type cert-type-enum
| | | +---x brcd-crypto-ext:import-pkcs
| | | | +---w brcd-crypto-ext:input
| | | | | +---w brcd-crypto-ext:authenticate_params
| | | | | +---w brcd-crypto-ext:type enumeration
| | | | | +---w brcd-crypto-ext:cert-type cert-type-enum-pkcs
| | +--rw brcd-crypto-ext:import
| | | +---x brcd-crypto-ext:ldapca
| | | +---x brcd-crypto-ext:syslogca
| | | +---x brcd-crypto-ext:radiusca
| | | +---x brcd-crypto-ext:sshx509v3ca
| | | +---x brcd-crypto-ext:gnmiclientca
| | | +---x brcd-crypto-ext:oauth2pkicert
| | | +---x brcd-crypto-ext:httpsclientca
+--rw tpvm:tpvm
| | +--rw tpvm:service-port
| | | +---x tpvm:enable
| | | | +---w tpvm:input
| | | | | +---w tpvm:blade? bladeType
| | | +--ro tpvm:output
| | | | +--ro tpvm:sp-disable-msg? string
+--rw ip
| +--rw ip-administration:dns
| | +--rw ip-administration:dom-name
| | | +--rw ip-administration:domain-name? string
| | +--rw ip-administration:name-server* [name-server-ip use-vrf]
| | | +--rw ip-administration:name-server-ip inet:ip-address
| | | +--rw ip-administration:use-vrf common-def:use-vrf
| | +--rw ip-administration:source-interface
| | | +--rw ip-administration:source-intf-type? source-interface-type
| | +--rw ip-administration:ethernet

```

```

| | | | +--rw ip-administration:source-intf-name? ethernet-iftype
| | | +--rw ip-administration:loopback
| | | | +--rw ip-administration:source-intf-name? loopback-iftype
| | | +--rw ip-administration:ve
| | | | +--rw ip-administration:source-intf-name? ve-iftype
| | | +--rw ip-administration:management
| | | | +--rw ip-administration:source-intf-name? mm-iftype
| +--rw ip-policy:hide-prefix-holder
| | +--rw ip-policy:prefix-list* [name seq-keyword instance]
| | | +--rw ip-policy:name ip-prefix-name-t
| | | +--rw ip-policy:seq-keyword enumeration
| | | +--rw ip-policy:instance instance-id-t
| | | +--rw ip-policy:ip-description-ipp? common-def:name-string63
| | | +--rw ip-policy:action-ipp? action-t
| | | +--rw ip-policy:prefix-ipp? inet:ipv4-prefix
| | | +--rw ip-policy:ge-ipp? prefix-len-t
| | | +--rw ip-policy:le-ipp? prefix-len-t
| +--rw ip-policy:flowspec
| | +--rw ip-policy:rules
| | | +--rw ip-policy:statistics? empty
| | | +--rw ip-policy:statistics-vrf
| | | | +--rw ip-policy:statistics* [vrf]
| | | | +--rw ip-policy:vrf common-def:vrf-name
| +--rw ip-policy:hide-as-path-holder
| | +--rw ip-policy:as-path
| | | +--rw ip-policy:access-list* [name seq-keyword instance]
| | | | +--rw ip-policy:name ip-as-path-name-t
| | | | +--rw ip-policy:seq-keyword enumeration
| | | | +--rw ip-policy:instance instance-id-t
| | | | +--rw ip-policy:ip-action? action-t
| | | | +--rw ip-policy:ip-reg-expr? ip-as-path-reg-expr-t
| +--rw ip-policy:hide-community-list-holder
| | +--rw ip-policy:community-list
| | | +--rw ip-policy:standard* [name seq-keyword instance]
| | | | +--rw ip-policy:name ip-community-list-name-t
| | | | +--rw ip-policy:seq-keyword enumeration
| | | | +--rw ip-policy:instance instance-id-t
| | | | +--rw ip-policy:ip-action? action-t
| | | | +--rw ip-policy:std-community-expr? ip-std-community-expr-t
| | | +--rw ip-policy:extended* [name seq-keyword instance]
| | | | +--rw ip-policy:name ip-community-list-name-t
| | | | +--rw ip-policy:seq-keyword enumeration
| | | | +--rw ip-policy:instance instance-id-t
| | | | +--rw ip-policy:ip-action? action-t
| | | | +--rw ip-policy:ip-community-reg-expr? ip-community-reg-expr-t
| +--rw ip-policy:hide-ext-community-list-holder
| | +--rw ip-policy:extcommunity-list
| | | +--rw ip-policy:standard* [extcommunity-list-name]
| | | | +--rw ip-policy:extcommunity-list-name ip-extcommunity-list-name-t
| | | | +--rw ip-policy:seq* [seq-id]
| | | | | +--rw ip-policy:seq-id uint32
| | | | | +--rw ip-policy:ext-community-action? action-t
| | | | | +--rw ip-policy:ext-community-expr? extcommunity-list-expr-t
| | | +--rw ip-policy:extended* [extended-extcommunity-list-name]
| | | | +--rw ip-policy:extended-extcommunity-list-name ip-extcommunity-list-
name-t
| | | | +--rw ip-policy:seq* [extended-seq-id]
| | | | +--rw ip-policy:extended-seq-id uint32
| | | | +--rw ip-policy:exp-ext-community-action? action-t
| | | | +--rw ip-policy:ext-community-regex? extcommunity-list-reg-expr-t
| +--rw rtm:rtm-config
| | +--rw rtm:router-id? inet:ipv4-address
| | +--rw rtm:load-sharing? uint32
| | +--rw rtm:route

```

```

| | +--rw rtm:static-route-nh* [static-route-dest static-route-next-hop]
| | | +--rw rtm:static-route-dest          inet:ipv4-prefix
| | | +--rw rtm:static-route-next-hop      inet:ipv4-address
| | | +--rw rtm:route-attributes
| | |   +--rw rtm:metric?                   uint32
| | |   +--rw rtm:distance?                 uint32
| | |   +--rw rtm:tag?                      uint32
| | |   +--rw rtm:route_name?              ip-static-route-name
| | | +--rw rtm:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-vrf]
static-route-next-hop]
| | | +--rw rtm:static-route-next-vrf-dest  inet:ipv4-prefix
| | | +--rw rtm:next-hop-vrf                common-def:vrf-name
| | | +--rw rtm:static-route-next-hop      inet:ipv4-address
| | | +--rw rtm:static-route-oif-vrf* [static-route-next-vrf-dest next-hop-vrf]
static-route-oif-type static-route-oif-name]
| | | +--rw rtm:static-route-next-vrf-dest  inet:ipv4-prefix
| | | +--rw rtm:next-hop-vrf                common-def:vrf-name
| | | +--rw rtm:static-route-oif-type       enumeration
| | | +--rw rtm:static-route-oif-name       string
| | | +--rw rtm:static-route-oif* [static-route-dest static-route-oif-type static-
route-oif-name]
| | | +--rw rtm:static-route-dest          inet:ipv4-prefix
| | | +--rw rtm:static-route-oif-type       enumeration
| | | +--rw rtm:static-route-oif-name       string
| | | +--rw rtm:route-attributes
| | |   +--rw rtm:metric?                   uint32
| | |   +--rw rtm:distance?                 uint32
| | |   +--rw rtm:tag?                      uint32
| | |   +--rw rtm:route_name?              ip-static-route-name
| | | +--rw rtm:static
| | | | +--rw rtm:bfd
| | | | +--rw rtm:bfd-static-route* [bfd-static-route-dest bfd-static-route-src]
| | | | | +--rw rtm:bfd-static-route-dest  inet:ipv4-address
| | | | | +--rw rtm:bfd-static-route-src    inet:ipv4-address
| | | | | +--rw rtm:bfd-interval-attributes
| | | | | | +--rw rtm:interval?             uint16
| | | | | | +--rw rtm:min-rx?              uint16
| | | | | | +--rw rtm:multiplier?         uint8
| | | | | | +--rw rtm:holdover-interval?   uint8
| | | | +--rw rtm:next-hop-recursion?      empty
| | | +--rw rtm:import
| | | | +--rw rtm:routes* [src-vrf route-map]
| | | | | +--rw rtm:src-vrf                 common-def:vrf-name
| | | | | +--rw rtm:route-map              common-def:name-string63
+--rw ipv6
| +--rw router
| +--rw control-plane:ipv6-global-cmd
| | +--rw control-plane:option
| | | +--rw control-plane:option-disable?  empty
| +--rw dhcpv6:dhcp
| | +--rw dhcpv6:relay
| | | +--rw dhcpv6:maximum-delegated-prefix? dhcpv6-system-delegatedprefix
+--rw ip-policy:prefix-list* [name seq-keyword instance]
| | +--rw ip-policy:name                    ipv6-prefix-name-t
| | +--rw ip-policy:seq-keyword             enumeration
| | +--rw ip-policy:instance                instance-id-t
| | +--rw ip-policy:ipv6-description-ipp?   common-def:name-string63
| | +--rw ip-policy:action-ipp?             action-t
| | +--rw ip-policy:ipv6-prefix-ipp?        inet:ipv6-prefix
| | +--rw ip-policy:ge-ipp?                 ipv6-prefix-len-t
| | +--rw ip-policy:le-ipp?                 ipv6-prefix-len-t
+--rw ip-policy:flowspec
| | +--rw ip-policy:rules
| | | +--rw ip-policy:statistics?           empty

```

```

| | +--rw ip-policy:statistics-vrf
| | +--rw ip-policy:statistics* [vrf]
| | +--rw ip-policy:vrf common-def:vrf-name
| +--rw ipv6-nd-ra:ipv6-global-cmds
| | +--rw ipv6-nd-ra:nd-global
| | +--rw ipv6-nd-ra:cache
| | | +--rw ipv6-nd-ra:global-cache-limit? uint32
| | +--rw ipv6-nd-ra:global-suppress-ra? empty
| | +--rw ipv6-nd-ra:dns-server-global* [dns-server-prefix-global]
| | | +--rw ipv6-nd-ra:dns-server-prefix-global inet:ipv6-address
| | | +--rw ipv6-nd-ra:dns-server-lifetime-global? uint32
| | +--rw ipv6-nd-ra:domain-name-global* [domain-name-string-global]
| | +--rw ipv6-nd-ra:domain-name-string-global string
| | +--rw ipv6-nd-ra:domain-name-lifetime-global? uint32
| +--rw ipv6-route:route
| | +--rw ipv6-route:static-route-nh* [static-route-dest static-route-next-hop]
| | | +--rw ipv6-route:static-route-dest inet:ipv6-prefix
| | | +--rw ipv6-route:static-route-next-hop inet:ipv6-address
| | | +--rw ipv6-route:route-attributes
| | | +--rw ipv6-route:metric? uint32
| | | +--rw ipv6-route:distance? uint32
| | | +--rw ipv6-route:tag? uint32
| | | +--rw ipv6-route:route_name? rtm:ip-static-route-name
| | +--rw ipv6-route:static-route-oif* [static-route-dest static-route-oif-type
static-route-oif-name]
| | | +--rw ipv6-route:static-route-dest inet:ipv6-prefix
| | | +--rw ipv6-route:static-route-oif-type enumeration
| | | +--rw ipv6-route:static-route-oif-name string
| | | +--rw ipv6-route:route-attributes
| | | +--rw ipv6-route:metric? uint32
| | | +--rw ipv6-route:distance? uint32
| | | +--rw ipv6-route:tag? uint32
| | | +--rw ipv6-route:route_name? rtm:ip-static-route-name
| | +--rw ipv6-route:link-local-static-route-nh* [link-local-static-route-dest link-
local-nexthop link-local-route-oif-type link-local-route-oif-name]
| | | +--rw ipv6-route:link-local-static-route-dest inet:ipv6-prefix
| | | +--rw ipv6-route:link-local-nexthop inet:ipv6-address
| | | +--rw ipv6-route:link-local-route-oif-type enumeration
| | | +--rw ipv6-route:link-local-route-oif-name string
| | | +--rw ipv6-route:route-attributes
| | | +--rw ipv6-route:metric? uint32
| | | +--rw ipv6-route:distance? uint32
| | | +--rw ipv6-route:tag? uint32
| | | +--rw ipv6-route:route_name? rtm:ip-static-route-name
| | +--rw ipv6-route:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-vrf
static-route-next-hop]
| | | +--rw ipv6-route:static-route-next-vrf-dest inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf common-def:vrf-name
| | | +--rw ipv6-route:static-route-next-hop inet:ipv6-address
| | +--rw ipv6-route:link-local-static-route-nh-vrf* [static-route-next-vrf-dest
next-hop-vrf link-local-next-hop link-local-route-oif-type link-local-route-oif-name]
| | | +--rw ipv6-route:static-route-next-vrf-dest inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf common-def:vrf-name
| | | +--rw ipv6-route:link-local-next-hop inet:ipv6-address
| | | +--rw ipv6-route:link-local-route-oif-type enumeration
| | | +--rw ipv6-route:link-local-route-oif-name string
| | +--rw ipv6-route:ipv6-static-route-oif-vrf* [static-route-next-vrf-dest next-hop-
vrf static-route-oif-type static-route-oif-name]
| | | +--rw ipv6-route:static-route-next-vrf-dest inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf common-def:vrf-name
| | | +--rw ipv6-route:static-route-oif-type enumeration
| | | +--rw ipv6-route:static-route-oif-name string
| | +--rw ipv6-route:static
| | | +--rw ipv6-route:bfd

```

```

| | | +--rw ipv6-route:bfd-ipv6-static-route* [bfd-ipv6-static-route-dest bfd-
ipv6-static-route-src]
| | | | +--rw ipv6-route:bfd-ipv6-static-route-dest inet:ipv6-address
| | | | +--rw ipv6-route:bfd-ipv6-static-route-src inet:ipv6-address
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | | | +--rw ipv6-route:interval? uint16
| | | | | +--rw ipv6-route:min-rx? uint16
| | | | | +--rw ipv6-route:multiplier? uint8
| | | +--rw ipv6-route:bfd-ipv6-link-local-static-route* [bfd-ipv6-link-local-
dest bfd-ipv6-link-local-src bfd-interface-type bfd-interface-name]
| | | | +--rw ipv6-route:bfd-ipv6-link-local-dest inet:ipv6-address
| | | | +--rw ipv6-route:bfd-ipv6-link-local-src inet:ipv6-address
| | | | +--rw ipv6-route:bfd-interface-type enumeration
| | | | +--rw ipv6-route:bfd-interface-name string
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | | | +--rw ipv6-route:interval? uint16
| | | | | +--rw ipv6-route:min-rx? uint16
| | | | | +--rw ipv6-route:multiplier? uint8
| | | | +--rw ipv6-route:ipv6-holdover-interval? uint8
| | +--rw ipv6-route:next-hop-recursion? empty
| +--rw ipv6-route:import
| | +--rw ipv6-route:routes* [src-vrf route-map]
| | | +--rw ipv6-route:src-vrf common-def:vrf-name
| | | +--rw ipv6-route:route-map common-def:name-string63
| +--rw ipv6-route:subnet-zero
| | +--rw ipv6-route:drop? empty
| +--rw vrrpv3:proto-vrrpv3
| | +--rw vrrpv3:vrrp? empty
| | +--rw vrrpv3:vrrp-extended? empty
+--rw router
+--rw routing-system
+--rw router
| +--rw bgp:router-bgp!
| | +--rw bgp:router-bgp-attributes
| | | +--rw bgp:local-as? local-as-type
| | | +--rw bgp:always-compare-med? empty
| | | +--rw bgp:compare-med-empty-aspath? empty
| | | +--rw bgp:med-missing-as-worst? empty
| | | +--rw bgp:as-path-ignore? empty
| | | +--rw bgp:compare-routerid? empty
| | | +--rw bgp:install-igp-cost? empty
| | | +--rw bgp:cluster-id
| | | | +--rw (ch-cluster-id)?
| | | | | +---:(ca-cluster-id)
| | | | | | +--rw bgp:cluster-id-value? decimal-number
| | | | | +---:(ca-cluster-id-ipv4-address)
| | | | | | +--rw bgp:cluster-id-ipv4-address? inet:ipv4-address
| | | | +--rw bgp:default-local-preference? local-preference-number
| | | +--rw bgp:distance
| | | | +--rw bgp:ext-route-distance? ext-route-distance
| | | | +--rw bgp:int-route-distance? int-route-distance
| | | | +--rw bgp:lcl-route-distance? lcl-route-distance
| | | +--rw bgp:capability
| | | | +--rw bgp:as4-enable? empty
| | | +--rw bgp:peer-group
| | | | +--rw bgp:capability
| | | | | +--rw bgp:ipv6prefix-over-ipv4peer? empty
| | | +--rw bgp:maxas-limit
| | | | +--rw bgp:in
| | | | | +--rw bgp:num-as-in-path? num-as-in-path
| | | +--rw bgp:enforce-first-as? empty
| | | +--rw bgp:fast-external-fallover? empty
| | | +--rw bgp:timers
| | | | +--rw bgp:keep-alive? nei-keep-alive

```

					+++rw bgp:hold-time? nei-hold-time
					+++rw bgp:peer-dampening
					+++rw (peer-dampening-source)?
					+++:(ca-peer-dampening-flag)
					+++rw bgp:peer-dampening-flag? empty
					+++:(ca-peer-dampening-specify-values)
					+++rw bgp:values
					+++rw bgp:delay-hold? nei-delay-hold
					+++rw bgp:penalty? nei-penalty
					+++rw bgp:max-penalty? nei-max-penalty
					+++rw bgp:stability-interval? nei-stability-interval
					+++rw bgp:log-dampening-debug? empty
					+++rw bgp:confederation
					+++rw bgp:identifier? cidentifier
					+++rw bgp:peers* cidentifier
					+++rw bgp:bfd
					+++rw bgp:holdover-interval? bfd:bfd-holdover-interval
					+++rw bgp:interval
					+++rw bgp:min-tx? bfd-tx-interval-type
					+++rw bgp:min-rx? bfd-rx-interval-type
					+++rw bgp:multiplier? bfd-multiplier-type
					+++rw bgp:auto-shutdown-new-neighbors? empty
					+++rw bgp:listen-limit? listen-limit-type
					+++rw bgp:neighbor
					+++rw bgp:peer-grps
					+++rw bgp:neighbor-peer-grp* [router-bgp-neighbor-peer-grp]
					+++rw bgp:router-bgp-neighbor-peer-grp bgp-peergroup
					+++rw bgp:peer-group-name? empty
					+++rw bgp:remote-as? bgp-remote-as
					+++rw bgp:alternate-as
					+++rw bgp:add? bgp-alternate-as
					+++rw bgp:remove? bgp-alternate-as
					+++rw bgp:update-source
					+++rw (ch-update-source)?
					+++:(ca-ipv4)
					+++rw bgp:sip-ipv4-address? sip-ipv4-address
					+++rw bgp:sip-ipv6-address? sip-ipv6-address
					+++:(ca-eth)
					+++rw bgp:ethernet-interface
					+++rw bgp:interface-type? enumeration
					+++rw bgp:interface-name? update-source-ethernet-
type					+++:(ca-port-channel)
type					+++rw bgp:port-channel? interface:portchannel-
					+++:(ca-loopback)
					+++rw bgp:loopback? loopback-interface
					+++:(ca-ve)
					+++rw bgp:ve-interface? interface:ve-type
					+++rw bgp:description? neighbor-description
					+++rw bgp:local-as
					+++rw bgp:local-as-value? local-as-num
					+++rw bgp:no-prepend? empty
					+++rw bgp:next-hop-self
					+++rw (ch-next-hop-self-type)?
					+++:(ca-next-hop-self-always)
					+++rw bgp:next-hop-self-always? empty
					+++:(ca-next-hop-self-status)
					+++rw bgp:next-hop-self-status? empty
					+++rw bgp:advertisement-interval
					+++rw bgp:value? adv-value
					+++rw bgp:ebgp-btsh? empty
					+++rw bgp:ebgp-multihop
					+++rw (ch-ebgp-multihop-type)?

					+--rw bgp:neighbor-ipv6-addr* [router-bgp-neighbor-ipv6-address]	
					+--rw bgp:router-bgp-neighbor-ipv6-address	inet:ipv6-address
					+--rw bgp:remote-as?	bgp-remote-as
					+--rw bgp:associate-peer-group?	bgp-peergroup
					+--rw bgp:update-source	
					+--rw (ch-update-source)?	
					+--:(ca-ipv6)	
					+--rw bgp:sip-ipv6-address?	sip-ipv6-address
					+--:(ca-eth)	
					+--rw bgp:ethernet-interface	
					+--rw bgp:interface-type?	enumeration
					+--rw bgp:interface-name?	update-source-ethernet-
type					+--:(ca-port-channel)	
					+--rw bgp:port-channel?	interface:portchannel-
type					+--:(ca-loopback)	
					+--rw bgp:loopback?	loopback-interface
					+--:(ca-ve)	
					+--rw bgp:ve-interface?	interface:ve-type
					+--rw bgp:description?	neighbor-description
					+--rw bgp:local-as	
					+--rw bgp:local-as-value?	local-as-num
					+--rw bgp:no-prepend?	empty
					+--rw bgp:next-hop-self	
					+--rw (ch-next-hop-self-type)?	
					+--:(ca-next-hop-self-always)	
					+--rw bgp:next-hop-self-always?	empty
					+--:(ca-next-hop-self-status)	
					+--rw bgp:next-hop-self-status?	empty
					+--rw bgp:advertisement-interval	
					+--rw bgp:value?	adv-value
					+--rw bgp:ebgp-btsh?	empty
					+--rw bgp:ebgp-multihop	
					+--rw (ch-ebgp-multihop-type)?	
					+--:(ca-ebgp-multihop-flag)	
					+--rw bgp:ebgp-multihop-flag?	empty
					+--:(ca-ebgp-multihop-count)	
					+--rw bgp:ebgp-multihop-count?	uint32
					+--rw bgp:password?	bgp-password
					+--rw bgp:enforce-first-as	
					+--rw bgp:nei-enforce-first-as?	empty
					+--rw bgp:nei-enforce-first-as-disable?	empty
					+--rw bgp:timers	
					+--rw bgp:nei-keep-alive?	nei-keep-alive
					+--rw bgp:nei-hold-time?	nei-hold-time
					+--rw bgp:peer-dampening	
					+--rw (nei-peer-dampening-source)?	
					+--:(nei-ca-peer-dampening-flag)	
					+--rw bgp:nei-peer-dampening-flag?	empty
					+--:(nei-ca-peer-dampening-specify-values)	
					+--rw bgp:values	
					+--rw bgp:nei-delay-hold?	nei-delay-hold
					+--rw bgp:nei-penalty?	nei-penalty
					+--rw bgp:nei-max-penalty?	nei-max-penalty
					+--rw bgp:nei-stability-interval?	nei-stability-
interval					+--rw bgp:remove-private-as?	empty
					+--rw bgp:as-override?	empty
					+--rw bgp:soft-reconfiguration	
					+--rw bgp:inbound?	empty
					+--rw bgp:static-network-edge?	empty
					+--rw bgp:bfd	
					+--rw bgp:bfd-enable?	empty


```

| | | | | +---rw bgp:neighbor-as4-enable? empty
| | | | | | +---rw bgp:neighbor-as4-disable? empty
| | | | | +---rw bgp:shutdown
| | | | | | +---rw bgp:shutdown-status? empty
| | | | | | +---rw bgp:generate-rib-out? empty
| | | | +---rw bgp:listen-range* [listen-range-prefix peer-group]
| | | | | +---rw bgp:listen-range-prefix inet:ipv4-prefix
| | | | | +---rw bgp:peer-group bgp-peer-group
| | | | | +---rw bgp:limit? listen-limit-type
| | | +---rw bgp:ipv6
| | | | +---rw bgp:ipv6-listen-range* [listen-range-prefix peer-group]
| | | | | +---rw bgp:listen-range-prefix inet:ipv6-prefix
| | | | | +---rw bgp:peer-group bgp-peer-group
| | | | | +---rw bgp:limit? listen-limit-type
| | | +---rw bgp:graceful-shutdown
| | | | +---rw bgp:gshut-timer-value? bgp-gshut-timer
| | | | +---rw (ch-gshut-options)?
| | | | | +---:(ca-gshut-timer-route-map)
| | | | | | +---rw bgp:gshut-route-map? rmap-type
| | | | | +---:(ca-gshut-timer-attributes)
| | | | | | +---rw bgp:gshut-timer-attributes
| | | | | | +---rw bgp:gshut-local-pref? bgp-gshut-local-pref
| | | | | | +---rw bgp:gshut-community? bgp-gshut-community
| | | +---rw bgp:init-route-calc-delay
| | | | +---rw bgp:init-route-calc-delay-status? empty
| | | | +---rw bgp:min-delay? route-calc-delay-time-min
| | | | +---rw bgp:max-delay? route-calc-delay-time-max
| | | | +---rw bgp:msg-idle-time? route-calc-delay-time-msg-idle
| | +---rw bgp:address-family
| | | +---rw bgp:ipv4
| | | | +---rw bgp:ipv4-unicast
| | | | | +---rw bgp:default-vrf
| | | | | | +---rw bgp:default-vrf-selected? empty
| | | | | | +---rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder
| | | | | | | +---rw bgp:bgp-redis-distribute-internal? empty
| | | | | | | +---rw bgp:redis-distribute
| | | | | | | | +---rw bgp:bgp
| | | | | | | | | +---rw bgp:redis-distribute-bgp? empty
| | | | | | | | | +---rw bgp:bgp-metric? conn-metric
| | | | | | | | | +---rw bgp:bgp-route-map? rmap-type
| | | | | | | | +---rw bgp:connected
| | | | | | | | | +---rw bgp:redis-distribute-connected? empty
| | | | | | | | | +---rw bgp:unicast-metric? conn-metric
| | | | | | | | | +---rw bgp:redis-distribute-route-map? rmap-type
| | | | | +---rw bgp:ospf
| | | | | | +---rw bgp:redis-distribute-ospf? empty
| | | | | | +---rw bgp:match
| | | | | | | +---rw bgp:ospf-internal? empty
| | | | | | | +---rw bgp:ospf-external1? empty
| | | | | | | +---rw bgp:ospf-external2? empty
| | | | | | | +---rw bgp:ospf-metric? conn-metric
| | | | | | | +---rw bgp:ospf-route-map? rmap-type
| | | | | +---rw bgp:redis-distribute-isis!
| | | | | | +---rw bgp:redis-distribute-isis-route-map? common-def:name-
string63
| | | | | | +---rw (ch-isis-level)?
| | | | | | | +---:(ca-level-1)
| | | | | | | | +---rw bgp:level-1? empty
| | | | | | | | +---:(ca-level-2)
| | | | | | | | | +---rw bgp:level-2? empty
| | | | | | | | | +---:(ca-level-1-2)
| | | | | | | | | | +---rw bgp:level-1-2? empty
| | | | | | | | | | +---rw bgp:redis-distribute-isis-metric? conn-metric
| | | | | +---rw bgp:static

```


filter-name		+--rw bgp:filter-list-direction-in-acl-name? ip-
empty		+--rw bgp:filter-list-name-direction-in?
filter-name		+--rw bgp:direction-out
empty		+--rw bgp:filter-list-direction-out-acl-name? ip-
filter-name		+--rw bgp:filter-list-name-direction-out?
empty		+--rw bgp:maximum-prefix
		+--rw bgp:max-prefix-limit? max-prefix-limit
		+--rw bgp:threshold-holder
		+--rw bgp:threshold? max-prefix-threshold
		+--rw bgp:teardown? empty
		+--rw bgp:restart-interval? restart-interval-
range		+--rw bgp:default-originate
		+--rw bgp:default-originate-status? empty
		+--rw bgp:default-originate-route-map? rmap-type
		+--rw bgp:prefix-list
		+--rw bgp:direction-in
		+--rw bgp:prefix-list-direction-in-prefix-name?
nei-prefix-list-filter		+--rw bgp:prefix-list-direction-in?
empty		+--rw bgp:direction-out
		+--rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter		+--rw bgp:prefix-list-direction-out?
empty		+--rw bgp:neighbor-route-map
		+--rw bgp:neighbor-route-map-direction-in
		+--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64		+--rw bgp:neighbor-route-map-direction-out
		+--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64		+--rw bgp:route-reflector-client? empty
		+--rw bgp:unsuppress-map
		+--rw bgp:map-name? rmap-type
		+--rw bgp:af-nei-weight? nei-weight
		+--rw bgp:enable-peer-as-check? empty
		+--rw bgp:announce-rpki-state? empty
		+--rw bgp:additional-paths
		+--rw bgp:addpath-disable? empty
		+--rw bgp:addpath-txx
		+--rw bgp:addpath-send? empty
		+--rw bgp:addpath-receive? empty
		+--rw bgp:addpath-advertise
		+--rw bgp:addpath-adv-best? uint8
		+--rw bgp:addpath-adv-groupbest? empty
		+--rw bgp:addpath-adv-all? empty
		+--rw bgp:associate-peer-group? bgp-peergroup
		+--rw bgp:description? neighbor-
description		+--rw bgp:local-as
		+--rw bgp:local-as-value? local-as-num
		+--rw bgp:no-prepend? empty
		+--rw bgp:next-hop-self
		+--rw (ch-next-hop-self-type)?
		+--:(ca-next-hop-self-always)
		+--rw bgp:next-hop-self-always? empty
		+--:(ca-next-hop-self-status)
		+--rw bgp:next-hop-self-status? empty


```

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

```

```

| | | | +--rw bgp:af-ipv4-flowspec-vrf* [af-ipv4-flowspec-vrf-name]
| | | | +--rw bgp:af-ipv4-flowspec-vrf-name string
| | | | +--rw bgp:client-to-client-reflection? empty
| | | | +--rw bgp:distribute? common-def:name-
string64
| | | | +--rw bgp:rib-route-limit? rib-route-number
| | | | +--rw bgp:flowspec
| | | | | +--rw bgp:validation
| | | | | +--rw bgp:validation-flag? empty
| | | | | +--rw bgp:redirect? empty
| | | | +--rw bgp:neighbor
| | | | | +--rw bgp:af-ipv4-neighbor-address-holder
| | | | | +--rw bgp:af-ipv4-neighbor-address* [af-ipv4-neighbor-
address]
| | | | | +--rw bgp:af-ipv4-neighbor-address inet:ipv4-
address
| | | | | +--rw bgp:activate? empty
| | | | | +--rw bgp:allowas-in? uint32
| | | | | +--rw bgp:maximum-prefix
| | | | | | +--rw bgp:max-prefix-limit? max-prefix-limit
| | | | | | +--rw bgp:threshold-holder
| | | | | | +--rw bgp:threshold? max-prefix-
threshold
| | | | | +--rw bgp:teardown? empty
| | | | | +--rw bgp:restart-interval? restart-interval-
range
| | | | | +--rw bgp:neighbor-route-map
| | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | +--rw bgp:neighbor-route-map-name-direction-
in? common-def:name-string64
| | | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | +--rw bgp:neighbor-route-map-name-direction-
out? common-def:name-string64
| | | | | +--rw bgp:route-reflector-client? empty
| | | | | +--rw bgp:af-nei-weight? nei-weight
| | | | | +--rw bgp:flowspec
| | | | | | +--rw bgp:validation
| | | | | | | +--rw bgp:validation-flag? empty
| | | | | | | +--rw bgp:redirect? empty
| | | | | | +--rw bgp:redirect
| | | | | | | +--rw bgp:next-hop
| | | | | | | | +--rw bgp:next-hop-type? enumeration
| | | | | | | | +--rw bgp:next-hop-holder? enumeration
| | | | | +--rw bgp:listen-range* [listen-range-prefix peer-group]
| | | | | +--rw bgp:listen-range-prefix inet:ipv4-prefix
| | | | | +--rw bgp:peer-group bgp-peer-group
| | | | | +--rw bgp:limit? listen-limit-type
| | | | +--rw bgp:ipv6
| | | | | +--rw bgp:ipv6-unicast
| | | | | | +--rw bgp:default-vrf
| | | | | | | +--rw bgp:default-vrf-selected? empty
| | | | | | | +--rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder
| | | | | | | | +--rw bgp:bgp-redistribute-internal? empty
| | | | | | | | +--rw bgp:redistribute
| | | | | | | | | +--rw bgp:bgp
| | | | | | | | | | +--rw bgp:redistribute-bgp? empty
| | | | | | | | | | +--rw bgp:bgp-metric? conn-metric
| | | | | | | | | | +--rw bgp:bgp-route-map? rmap-type
| | | | | | | | | | +--rw bgp:connected
| | | | | | | | | | | +--rw bgp:redistribute-connected? empty
| | | | | | | | | | | +--rw bgp:unicast-metric? conn-metric
| | | | | | | | | | | +--rw bgp:redistribute-route-map? rmap-type
| | | | | | | | | | +--rw bgp:ospf
| | | | | | | | | | | +--rw bgp:redistribute-ospf? empty

```


	+--rw bgp:af-ipv4-neighbor-address	inet:ipv4-address
	+--rw bgp:activate?	empty
	+--rw bgp:allowas-in?	uint32
	+--rw bgp:af-neighbor-capability	
	+--rw bgp:orf	
	+--rw bgp:prefixlist	
	+--rw bgp:prefixlist-status?	empty
	+--rw bgp:prefixlist-send?	empty
	+--rw bgp:prefixlist-receive?	empty
	+--rw bgp:filter-list	
	+--rw bgp:direction-in	
filter-name	+--rw bgp:filter-list-direction-in-acl-name?	ip-
empty	+--rw bgp:filter-list-name-direction-in?	
	+--rw bgp:direction-out	
filter-name	+--rw bgp:filter-list-direction-out-acl-name?	ip-
empty	+--rw bgp:filter-list-name-direction-out?	
	+--rw bgp:send-community	
	+--rw bgp:send-community-status?	empty
	+--rw bgp:all?	empty
	+--rw bgp:both?	empty
	+--rw bgp:extended?	empty
	+--rw bgp:standard?	empty
	+--rw bgp:large?	empty
	+--rw bgp:maximum-prefix	
	+--rw bgp:max-prefix-limit?	max-prefix-limit
	+--rw bgp:threshold-holder	
	+--rw bgp:threshold?	max-prefix-threshold
	+--rw bgp:teardown?	empty
range	+--rw bgp:restart-interval?	restart-interval-
	+--rw bgp:default-originate	
	+--rw bgp:default-originate-status?	empty
	+--rw bgp:default-originate-route-map?	rmap-type
	+--rw bgp:prefix-list	
	+--rw bgp:direction-in	
nei-prefix-list-filter	+--rw bgp:prefix-list-direction-in-prefix-name?	
empty	+--rw bgp:prefix-list-direction-in?	
	+--rw bgp:direction-out	
nei-prefix-list-filter	+--rw bgp:prefix-list-direction-out-prefix-name?	
empty	+--rw bgp:prefix-list-direction-out?	
	+--rw bgp:neighbor-route-map	
	+--rw bgp:neighbor-route-map-direction-in	
common-def:name-string64	+--rw bgp:neighbor-route-map-name-direction-in?	
	+--rw bgp:neighbor-route-map-direction-out	
common-def:name-string64	+--rw bgp:neighbor-route-map-name-direction-out?	
	+--rw bgp:route-reflector-client?	empty
	+--rw bgp:unsuppress-map	
	+--rw bgp:map-name?	rmap-type
	+--rw bgp:af-nei-weight?	nei-weight
	+--rw bgp:enable-peer-as-check?	empty
	+--rw bgp:additional-paths	
	+--rw bgp:addpath-disable?	empty
	+--rw bgp:addpath-txrx	
	+--rw bgp:addpath-send?	empty


```

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

```



```

| | | | | +--rw bgp:suppress
| | | | | | +--rw bgp:ipv4
| | | | | | | +--rw bgp:host-route? empty
| | | | | +--rw bgp:client-to-client-reflection? empty
| | | | | +--rw bgp:graceful-restart
| | | | | | +--rw bgp:graceful-restart-status? empty
| | | | | | +--rw bgp:restart-time? rtime-type
| | | | | | +--rw bgp:purge-time? ptime-type
| | | | | | +--rw bgp:stale-routes-time? st-time-type
| | | | | +--rw bgp:retain
| | | | | | +--rw bgp:route-target
| | | | | | | +--rw bgp:all? empty
| | | | | +--rw bgp:vtep-discovery? empty
| | | | | +--rw bgp:import
| | | | | | +--rw bgp:vpn4
| | | | | | | +--rw bgp:vpn4-unicast
| | | | | | | | +--rw bgp:vpn4-reoriginate? empty
| | | | | | | +--rw bgp:vpn6
| | | | | | | | +--rw bgp:vpn6-unicast
| | | | | | | | +--rw bgp:vpn6-reoriginate? empty
| | | | | +--rw bgp:neighbor
| | | | | | +--rw bgp:evpn-neighbor-group* [evpn-neighbor-peergroup-name]
| | | | | | | +--rw bgp:evpn-neighbor-peergroup-name bgp-peergroup
| | | | | | | +--rw bgp:encapsulation? encapsulation-t
| | | | | | | +--rw bgp:maximum-prefix? max-prefix-limit
| | | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | | +--rw bgp:allowas-in? uint32
| | | | | | | +--rw bgp:next-hop-unchanged? empty
| | | | | | | +--rw bgp:enable-peer-as-check? empty
| | | | | | | +--rw bgp:route-map
| | | | | | | | +--rw bgp:direction-in
| | | | | | | | | +--rw bgp:route-map-name-direction-in? common-def:name-
string64
| | | | | | | | | +--rw bgp:direction-out
| | | | | | | | | | +--rw bgp:route-map-name-direction-out? common-
def:name-string64
| | | | | | | +--rw bgp:activate? empty
| | | | | | | +--rw bgp:send-community
| | | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | | +--rw bgp:both? empty
| | | | | | | | +--rw bgp:extended? empty
| | | | | | | | +--rw bgp:standard? empty
| | | | | | +--rw bgp:evpn-neighbor-ipv4* [evpn-neighbor-ipv4-address]
| | | | | | | +--rw bgp:evpn-neighbor-ipv4-address inet:ipv4-address
| | | | | | | +--rw bgp:encapsulation? encapsulation-t
| | | | | | | +--rw bgp:maximum-prefix? max-prefix-limit
| | | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | | +--rw bgp:allowas-in? uint32
| | | | | | | +--rw bgp:next-hop-unchanged? empty
| | | | | | | +--rw bgp:enable-peer-as-check? empty
| | | | | | | +--rw bgp:route-map
| | | | | | | | +--rw bgp:direction-in
| | | | | | | | | +--rw bgp:route-map-name-direction-in? common-def:name-
string64
| | | | | | | | | +--rw bgp:direction-out
| | | | | | | | | | +--rw bgp:route-map-name-direction-out? common-
def:name-string64
| | | | | | | +--rw bgp:activate? empty
| | | | | | | +--rw bgp:send-community
| | | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | | +--rw bgp:both? empty
| | | | | | | | +--rw bgp:extended? empty
| | | | | | | | +--rw bgp:standard? empty
| | | | | | +--rw bgp:evpn-neighbor-ipv6* [evpn-neighbor-ipv6-address]

```

```

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

```



```

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

```



```

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

```



```

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

```

```

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

```

```

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

```



```

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

```

```

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

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

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

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```

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

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

```

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


```

| | | | +--rw pim:ipv6-pim-int-cmd
| | | |   +--rw pim:pim-sparse?          empty
| | | |   +--rw pim:pim
| | | |     | +--rw pim:neighbor-filter?  ip-prefix-name-t
| | | |     | +--rw pim:dr-priority?     uint32
| | | |     | +--rw pim:ttl-threshold?   uint32
| | | |     +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | | +--rw vrrpv3:vrrpv3* [vrid]
| | | |   +--rw vrrpv3:vrid              vrid-type
| | | |   +--rw vrrpv3:use-v2-checksum?  empty
| | | |   +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | |     | +--rw vrrpv3:virtual-ipaddr  inet:ipv6-address
| | | |   +--rw vrrpv3:track
| | | |     | +--rw vrrpv3:interface* [interface-type interface-name]
| | | |     |   +--rw vrrpv3:interface-type  track-iftype
| | | |     |   +--rw vrrpv3:interface-name  track-ifname
| | | |     |   +--rw vrrpv3:track-priority? uint8
| | | |     +--rw vrrpv3:advertisement-interval? uint32
| | | |     +--rw vrrpv3:enable?          empty
| | | |     +--rw vrrpv3:hold-time?       uint32
| | | |     +--rw vrrpv3:preempt-mode?    empty
| | | |     +--rw vrrpv3:priority?        uint8
| | | |     +--rw vrrpv3:description?     string
| | | +--rw vrrpv3:vrrpv3e* [vrid]
| | | |   +--rw vrrpv3:vrid              vrrpe-vrid-type
| | | |   +--rw vrrpv3:virtual-mac?       enumeration
| | | |   +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | |     | +--rw vrrpv3:virtual-ipaddr  inet:ipv6-address
| | | |   +--rw vrrpv3:track
| | | |     | +--rw vrrpv3:network* [network-address]
| | | |     | | +--rw vrrpv3:network-address  track-network-address
| | | |     | | +--rw vrrpv3:network-priority? uint8
| | | |     | +--rw vrrpv3:interface* [interface-type interface-name]
| | | |     |   +--rw vrrpv3:interface-type  track-iftype
| | | |     |   +--rw vrrpv3:interface-name  track-ifname
| | | |     |   +--rw vrrpv3:track-priority? uint8
| | | |     +--rw vrrpv3:enable?          empty
| | | |     +--rw vrrpv3:hold-time?       uint32
| | | |     +--rw vrrpv3:preempt-mode?    empty
| | | |     +--rw vrrpv3:priority?        uint8
| | | |     +--rw vrrpv3:description?     string
| | | |     +--rw vrrpv3:advertise-backup? empty
| | | |     +--rw vrrpv3:nd-advertisement-timer? uint32
| | | |     +--rw vrrpv3:advertisement-interval-scale? uint32
| | | |     +--rw vrrpv3:backup-advertisement-interval? uint32
| | | |     +--rw vrrpv3:vrrpe-advertisement-interval? uint32
| | | |     +--rw vrrpv3:short-path-forwarding
| | | |       +--rw vrrpv3:basic?          empty
| | | |       +--rw vrrpv3:revert-priority? uint8
| | +--rw ip-access-list:ip-acl-interface
| | |   +--rw ip-access-list:ip
| | | |     +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | |     +--rw ip-access-list:ip-access-list  13-acl-policy-name
| | | |     +--rw ip-access-list:ip-direction  enumeration
| | | |     +--rw ip-access-list:traffic-type?  enumeration
| | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | |   +--rw ip-access-list:ip
| | | |     +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | |     +--rw ip-access-list:ip-access-list  13-acl-policy-name
| | +--rw ip-policy:ip-pbr-interface
| | |   +--rw ip-policy:ip
| | | |     +--rw ip-policy:policy
| | | |     +--rw ip-policy:route-map
| | | |       +--rw ip-policy:route-map-name?  common-def:name-string63

```

```

| | +--rw isis:intf-isis!
| | | +--rw isis:interface-isis
| | | | +--rw isis:auth-check
| | | | | +--rw isis:auth-check-level1
| | | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | | +--rw isis:auth-check-level2
| | | | | | +--rw isis:interface-auth-check-level2-disable? empty
| | | | +--rw isis:interface-reverse-metric!
| | | | | +--rw isis:rev-metric-common-attributes
| | | | | | +--rw isis:rev-metric-val? uint32
| | | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | | +--rw isis:interface-auth-mode
| | | | | +--rw isis:interface-md5
| | | | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | | | +--rw isis:interface-auth-mode-md5-level2? empty
| | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | +--rw isis:interface-auth-key-level enumeration
| | | | | +--rw isis:interface-auth-key-str? string
| | | | +--rw isis:interface-hello
| | | | | +--rw isis:interface-hello-padding
| | | | | | +--rw isis:interface-hello-padding-disable? empty
| | | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | | +--rw isis:interface-hello-interval-level enumeration
| | | | | +--rw isis:interface-hello-interval-val? uint32
| | | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-
level]
| | | | | +--rw isis:interface-hello-multiplier-level enumeration
| | | | | +--rw isis:interface-hello-multiplier-val? uint32
| | | | +--rw isis:circuit-type? enumeration
| | | | +--rw isis:interface-ipv6
| | | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | | +--rw isis:interface-metric* [interface-metric-level]
| | | | | +--rw isis:interface-metric-level enumeration
| | | | | +--rw isis:interface-metric-val? uint32
| | | | +--rw isis:interface-point-to-point? empty
| | | | +--rw isis:interface-passive? empty
| | | | +--rw isis:interface-priority
| | | | | +--rw isis:interface-priority-level1? uint32
| | | | | +--rw isis:interface-priority-level2? uint32
| | | | +--rw isis:interface-bfd
| | | | | +--rw isis:interface-bfd-enable? empty
| | | | +--rw isis:interface-ldp-sync? enumeration
| | | | +--rw isis:segment-routing
| | | | | +--rw isis:interface-segment-routing-disable? empty
| | | | +--rw isis:segment-routing-prefix-sid
| | | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw vrrp:vrrp* [vrid version]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:version uint8
| | | +--rw vrrp:use-v2-checksum? empty
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-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:vrrpe* [vrid]
| | | +--rw vrrp:vrid vrrpe-vrid-type
| | | +--rw vrrp:virtual-mac? enumeration
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:network* [network-address]
| | | | | +--rw vrrp:network-address union
| | | | | +--rw vrrp:network-priority? uint8
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-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:vrrpe-garp-timer? uint32
| | | +--rw vrrp:backup-advertisement-interval? uint32
| | | +--rw vrrp:short-path-forwarding
| | | | +--rw vrrp:basic? empty
| | | | +--rw vrrp:revert-priority? uint8
| | | +--rw vrrp:advertisement-interval-scale? uint32
| | +--rw rpf:rpf
| | | +--rw rpf:mode? enumeration
+--rw intf-loopback:loopback* [id]
| | +--rw intf-loopback:id intf-loopback-port-type
| | +--rw intf-loopback:vrf
| | | +--rw intf-loopback:forwarding? common-def:vrf-name
+--rw intf-loopback:description? string
+--rw intf-loopback:reload-delay
| | +--rw intf-loopback:reload-delay-enable? empty
| | +--rw intf-loopback:reload-delay-time? reload-delay-type
+--rw intf-loopback:snmp
| | +--rw intf-loopback:trap
| | | +--rw intf-loopback:link-status
| | | | +--rw intf-loopback:snmp-link-disable? empty
+--rw intf-loopback:shutdown? empty
+--rw ip-config:ip
| | +--rw ip-config:ip-config
| | | +--rw ip-config:address* [address]
| | | | +--rw ip-config:address union
| | +--rw isis:intf-router-isis
| | | +--rw isis:int-router-isis
| | | | +--rw isis:interface-ip-router-isis? empty
| | +--rw ospf:interface-loopback-ospf-conf
| | | +--rw ospf:ospf1
| | | | +--rw ospf:area? ospf-area-id
| | | | +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | +--rw ospf:authentication-key
| | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | +--rw ospf:auth-key-table

```



```

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

```

```

|         | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
|         |   +--rw isis:interface-ipv6-metric-level  enumeration
|         |   +--rw isis:interface-ipv6-metric-val?  uint32
+--rw isis:interface-metric* [interface-metric-level]
|   +--rw isis:interface-metric-level  enumeration
|   +--rw isis:interface-metric-val?   uint32
+--rw isis:interface-point-to-point?   empty
+--rw isis:interface-passive?          empty
+--rw isis:interface-priority
|   +--rw isis:interface-priority-level1?  uint32
|   +--rw isis:interface-priority-level2?  uint32
+--rw isis:interface-bfd
|   +--rw isis:interface-bfd-enable?      empty
+--rw isis:interface-ldp-sync?          enumeration
+--rw isis:segment-routing
|   +--rw isis:interface-segment-routing-disable?  empty
+--rw isis:segment-routing-prefix-sid
|   +--rw isis:sr-prefix-sid-value?      uint32
+--rw bgp:evpn-config
|   +--rw bgp:evpn
|     +--rw bgp:evpn-instance* [instance-name]
|       +--rw bgp:instance-name          evpn-type
|       +--rw bgp:route-target
|         +--rw bgp:both* [target-community]
|           | +--rw bgp:target-community  rt-type
|           | +--rw bgp:ignore-as?      empty
|           +--rw bgp:export* [target-community]
|             | +--rw bgp:target-community  rt-type
|             +--rw bgp:import* [target-community]
|               +--rw bgp:target-community  rt-type
|               +--rw bgp:ignore-as?      empty
+--rw bgp:route-distinguisher
|   +--rw (ch-rd-type)?
|     +--:(ca-rd-auto)
|       +--rw bgp:auto?  empty
+--rw bgp:duplicate-mac-timer
|   +--rw bgp:duplicate-mac-timer-value?  dup-mac-timer
|   +--rw bgp:max-count?                  max-count
+--rw bgp:bridge-domain
|   +--rw bgp:bd-add
|     | +--rw bgp:bd-range-add?          bridge-domain:ui32-bridge-domain-20k-
range
|     | +--rw bgp:bd-range-remove?      bridge-domain:ui32-bridge-domain-20k-
range
|     +--rw bgp:evpn-bd* [bd-number]
|       +--rw bgp:bd-number              bridge-domain:bridge-domain-id-type
|       +--rw bgp:rd?                    rd-type
|       +--rw bgp:route-target
|         +--rw bgp:import* [target-community]
|           | +--rw bgp:target-community  rd-rt-type
|           +--rw bgp:export* [target-community]
|             | +--rw bgp:target-community  rd-rt-type
|             +--rw bgp:both* [target-community]
|               +--rw bgp:target-community  rd-rt-type
+--rw bgp:vlan
|   +--rw bgp:vlan-add
|     | +--rw bgp:add?                    interface:ui32-vlan-20k-range
|     | +--rw bgp:remove?                 interface:ui32-vlan-20k-range
|     +--rw bgp:evpn-vlan* [vlan-number]
|       +--rw bgp:vlan-number            interface:vlan-type
|       +--rw bgp:rd?                    rd-type
|       +--rw bgp:route-target
|         +--rw bgp:import* [target-community]
|           | +--rw bgp:target-community  rd-rt-type

```

```

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

```

```

| | | +--rw ip-policy:prefix-list-rmm? match-prefix-list-name-t
| | | +--rw ip-policy:acl-rmm? ip-access-list:l3-acl-policy-name
| | +--rw ip-policy:source-address? inet:ipv4-prefix
| | +--rw ip-policy:destination-address? inet:ipv4-prefix
| | +--rw ip-policy:icmp-type* [compare-op value]
| | | +--rw ip-policy:compare-op comparison-type-t
| | | +--rw ip-policy:value union
| | | +--rw ip-policy:max-value? union
| | | +--rw ip-policy:neq-values-flag? empty
| | | +--rw ip-policy:neq-extra-values? string
| | | +--rw ip-policy:empty-leaf? empty
| | +--rw ip-policy:icmp-code* [compare-op value]
| | | +--rw ip-policy:compare-op comparison-type-t
| | | +--rw ip-policy:value icmp-code-t
| | | +--rw ip-policy:max-value? icmp-code-t
| | | +--rw ip-policy:neq-values-flag? empty
| | | +--rw ip-policy:neq-extra-values? string
| | | +--rw ip-policy:empty-leaf? empty
| | +--rw ip-policy:next-hop
| | | +--rw ip-policy:prefix-list-rmm-n? match-prefix-list-name-t
| | +--rw ip-policy:route-source
| | | +--rw ip-policy:prefix-list-rmrs? string
| +--rw ip-policy:extcommunity
| | +--rw ip-policy:extcommunity-name? match-extcommunity-list-name-t
| +--rw ip-policy:metric
| | +--rw ip-policy:metric-rmm? metric-t
| +--rw ip-policy:route-type
| | +--rw ip-policy:route-type-rmm? match-route-type-t
| +--rw ip-policy:tag
| | +--rw ip-policy:tag-rmm* tag-t
| +--rw ip-policy:as-path
| | +--rw ip-policy:as-path-access-list-name? ip-match-as-path-name-t
| +--rw ip-policy:community
| | +--rw ip-policy:community-access-list-name? match-community-list-name-
t
| +--rw ip-policy:large-community
| | +--rw ip-policy:large-community-access-list-name? match-large-
community-list-name-t
| +--rw ip-policy:protocol
| | +--rw ip-policy:protocol-match-list* [compare-op value]
| | | +--rw ip-policy:compare-op comparison-type-t
| | | +--rw ip-policy:value union
| | | +--rw ip-policy:max-value? union
| | | +--rw ip-policy:neq-values-flag? empty
| | | +--rw ip-policy:neq-extra-values? string
| | | +--rw ip-policy:empty-leaf? empty
| | +--rw ip-policy:protocol-static-container
| | | +--rw ip-policy:static? empty
| | +--rw ip-policy:bgp-protocol-container
| | | +--rw ip-policy:protocol-bgp? empty
| | | +--rw ip-policy:bgp-route-type? enumeration
| | +--rw ip-policy:isis-protocol-container
| | | +--rw ip-policy:protocol-isis? empty
| | | +--rw ip-policy:match-isis-level? enumeration
| | +--rw ip-policy:ospf-protocol-container
| | | +--rw ip-policy:protocol-ospf? empty
| | | +--rw ip-policy:ospf-route-type? enumeration
| +--rw ip-policy:port* [compare-op value]
| | +--rw ip-policy:compare-op comparison-type-t
| | +--rw ip-policy:value union
| | +--rw ip-policy:max-value? union
| | +--rw ip-policy:neq-values-flag? empty
| | +--rw ip-policy:neq-extra-values? string
| | +--rw ip-policy:empty-leaf? empty

```



```

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

```

```

| |         +--rw ip-policy:next-hop      inet:ipv4-address
| +--rw ip-policy:ipv6
| | +--rw ip-policy:mirror* [destination]
| | | +--rw ip-policy:destination      inet:ipv6-address
| | | +--rw ip-policy:dscp
| | | | +--rw ip-policy:dscp-rms-ipv6?  dscp-precedence
| | +--rw ip-policy:interface
| | | +--rw ip-policy:ipv6-null0?      empty
| | +--rw ip-policy:global
| | | +--rw ip-policy:next-global-hop* [next-hop]
| | | | +--rw ip-policy:next-hop      inet:ipv6-address
| | +--rw ip-policy:next-ip
| | | +--rw ip-policy:ipv6-peer-address? empty
| | | +--rw ip-policy:next-hop* [next-hop]
| | | | +--rw ip-policy:next-hop      inet:ipv6-address
| | +--rw ip-policy:next-vrf
| | | +--rw ip-policy:next-vrf-list* [vrf next-hop]
| | | | +--rw ip-policy:vrf          string
| | | | +--rw ip-policy:next-hop      inet:ipv6-address
| +--rw ip-policy:extcommunity
| | +--rw ip-policy:rt
| | | +--rw ip-policy:ASN-NN-rt?      ext-community-rt-expr-t
| | | +--rw ip-policy:soo
| | | | +--rw ip-policy:ASN-NN-soo?   ext-community-soo-expr-t
| +--rw ip-policy:community
| | +--rw ip-policy:set-community-expr? set-community-expr-t
| +--rw ip-policy:large-community
| | +--rw ip-policy:set-large-community-expr? set-large-community-expr-t
| +--rw ip-policy:metric
| | +--rw ip-policy:delta-rms?        enumeration
| | +--rw ip-policy:metric-rms?      metric-t
| +--rw ip-policy:distance
| | +--rw ip-policy:dist-rms?        distance-t
| +--rw ip-policy:tag
| | +--rw ip-policy:tag-rms?         tag-t
| +--rw ip-policy:weight
| | +--rw ip-policy:weight-value?    uint32
| +--rw ip-policy:interface* [rmap-set-interface-type rmap-set-interface-
name]
| | +--rw ip-policy:rmap-set-interface-type  rmap-set-intf-type
| | +--rw ip-policy:rmap-set-interface-name  rmap-set-intf-name
| +--rw ip-policy:uda-interface-policy
| | +--rw ip-policy:interface
| | | +--rw ip-policy:uda-null0?      empty
| +--rw ip-policy:as-path
| | +--rw ip-policy:aspath-tag?      empty
| | +--rw ip-policy:prepend?        string
| +--rw ip-policy:automatic-tag
| | +--rw ip-policy:tag-empty?      empty
| +--rw ip-policy:comm-list
| | +--rw ip-policy:comm-list-name?    ip-community-list-name-t
| | +--rw ip-policy:match-comm-delete?  empty
| +--rw ip-policy:large-community-list
| | +--rw ip-policy:large-comm-list-name? ip-large-community-list-name-
t
| | +--rw ip-policy:match-large-comm-delete? empty
| +--rw ip-policy:dampening
| | +--rw ip-policy:half-life?        uint32
| | +--rw ip-policy:reuse?           uint32
| | +--rw ip-policy:suppress?        uint32
| | +--rw ip-policy:max-suppress-time? uint32
| +--rw ip-policy:local-preference
| | +--rw ip-policy:local-preference-value? uint32
| +--rw ip-policy:origin

```

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

brocade-control-plane

Top-level container

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

brocade-crypto

Top-level container

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

brocade-crypto-ext

Top-level container

```

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

```

```

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

```

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


brocade-dai

Top-level container

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

brocade-diagnostics

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

Table 5: Diagnostic actions

Action	Purpose
burninerrclear	Clears the errors that are stored in the nonvolatile storage on the slot during the burn-in process.
clearerror	Clears the diagnostics failure status.
portledtest	Runs various action modes on the port LEDs and validates the functionality.
portloopbacktest	Sends frames between various ASICs on the switch and validates the ASIC functionality.
post	Performs power-on self-test.
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
    +---x diag-install
      +--ro output
        +--ro diag-install-msg?  string

```

brocade-dotlag

Top-level container

```

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

```

```

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

```

brocade-dot1x

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-readinessstest-timeout-interval
```

External augmentations

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

brocade-entity

RPCs

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

brocade-event-handler

Top-level container

```

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

brocade-erp

Top-level container

```

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

```


brocade-firmware

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

Table 6: Custom actions for firmware version management

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

Top-level container

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

|     +---rw peripheral-update-bmc-option
|     +---x peripheral-update-bmc-all
|     +---x peripheral-update-bmc-boot
|     +---x peripheral-update-bmc-application
+---rw update
|   +---rw onie
|   |   +---x scp
|   |   |   +---w input
|   |   |   |   +---w user           string
|   |   |   |   +---w password?     string
|   |   |   |   +---w host          string
|   |   |   |   +---w directory     string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?     common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   |   +---x ftp
|   |   |   +---w input
|   |   |   |   +---w user           string
|   |   |   |   +---w password?     string
|   |   |   |   +---w host          string
|   |   |   |   +---w directory     string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?     common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   |   +---x sftp
|   |   |   +---w input
|   |   |   |   +---w user           string
|   |   |   |   +---w password?     string
|   |   |   |   +---w host          string
|   |   |   |   +---w directory     string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?     common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   +---rw bmc
|   |   +---rw bmc-firmware
|   |   |   +---x scp
|   |   |   |   +---w input
|   |   |   |   |   +---w user           string
|   |   |   |   |   +---w password     string
|   |   |   |   |   +---w host          string
|   |   |   |   |   +---w directory     string
|   |   |   |   |   +---w file          string
|   |   |   |   |   +---w use-vrf?     common-def:use-vrf
|   |   |   +---x ftp
|   |   |   |   +---w input
|   |   |   |   |   +---w user           string
|   |   |   |   |   +---w password     string
|   |   |   |   |   +---w host          string
|   |   |   |   |   +---w directory     string
|   |   |   |   |   +---w file          string
|   |   |   |   |   +---w use-vrf?     common-def:use-vrf
+---rw write
|   +---x erase
|   |   +---w input
|   |   |   +---w (write_erase_options)?
|   |   |   |   +---:(erase_all)
|   |   |   |   |   +---w erase_all?     empty
|   |   |   |   +---:(erase_all_skip_license)
|   |   |   |   |   +---w erase_all_skip_license?  empty
|   |   +---ro output
|   |   |   +---ro fwdl-tid?         int32

```

```

|         +--ro fwdl-status?  int32
|         +--ro fwdl-msg?    string
+--rw reboot
| +---x fastboot
+--rw dhcp
| +--rw ztp
|   +---x log
|   | +--ro output
|   |   +--ro dad-cmd-msg?  string
|   |   +---x cancel
|   |   +--ro output
|   |   +--ro dad-cmd-msg?  string
+--rw onie
| +---x onie-install
|   +--ro output
|   +--ro onie-install-msg?  string
+--rw bootmenu
  +---x menu-enable
  | +--ro output
  |   +--ro menu-enable-msg?  string
  +---x menu-disable
  | +--ro output
  |   +--ro menu-disable-msg?  string
rpcs:
+---x fwdl-status
| +---w input
| | +---w fwdl-tid?  int32
| +--ro output
|   +--ro number-of-entries?  uint32
|   +--ro fwdl-state?         enumeration
|   +--ro fwdl-entries*
|     +--ro index?            uint32
|     +--ro message-id?      int32
|     +--ro date-and-time-info?  string
|     +--ro message?         string
|     +--ro blade-slot?      int32
|     +--ro blade-swbd?      int32
|     +--ro blade-name?      string
|     +--ro blade-state?     enumeration
|     +--ro blade-app?       string
+---x activate-status
| +--ro output
|   +--ro overall-status?    int32
|   +--ro overall-error-msg?  string
|   +--ro status?           int32
+---x firmware-download
| +---w input
| | +---w fullinstall?  empty
| | +---w (protocol-type)?
| | | +--:(scp-protocol)
| | | | +---w scp
| | | |   +---w user      string
| | | |   +---w password? string
| | | |   +---w host      string
| | | |   +---w directory string
| | | |   +---w file?     string
| | | +--:(ftp-protocol)
| | | | +---w ftp
| | | |   +---w user      string
| | | |   +---w password? string
| | | |   +---w host      string
| | | |   +---w directory string
| | | |   +---w file?     string
| | | +--:(sftp-protocol)

```



```

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

```

brocade-firmware-ext

RPCs

Displays firmware version information:

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

brocade-ha

Top-level container

```

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

```

RPCs

```

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

```

brocade-hardware

Top-level container

```

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

```

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

brocade-http-config

Top-level container

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

External augmentations

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

brocade-http-redirect

RPCs

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

brocade-igmp-snooping

Top-level container

```

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

```

External augmentations

```

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

```


brocade-interface

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

Table 7: Entities managed through brocade-interface module

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

This module provides the mechanism to support the following actions:

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

Top-level container

```

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

```

```

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

```

```

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

```

```

| | | | +--rw igmp:igmp13-query-max-response-time? igmp-snooping:qmr-type
| | | | +--rw igmp:igmp13-immediate-leave? empty
| | | | +--rw igmp:igmp13-version? uint32
| | | | +--rw igmp:igmp13-static-group* [igmp13-sg-addr]
| | | | | +--rw igmp:igmp13-sg-addr inet:ipv4-address
| | | +--rw isis:intf-router-isis
| | | | +--rw isis:int-router-isis
| | | | | +--rw isis:interface-ip-router-isis? empty
| | | +--rw ospf:interface-eth-ospf-conf
| | | | +--rw ospf:ospfl
| | | | | +--rw ospf:area? ospf-area-id
| | | | | +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | | +--rw ospf:authentication-key
| | | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | | +--rw ospf:auth-key-table
| | | | | | | +--rw ospf:encrypttype? key-type
| | | | | | | +--rw ospf:auth-key? ospf-auth-psswd-string
| | | | | +--rw ospf:authentication
| | | | | | +--rw ospf:key-chain? ospf-keychain-string
| | | | | +--rw ospf:hello-interval? common-def:time-interval-sec
| | | | | +--rw ospf:dead-interval? common-def:time-interval-sec
| | | | | +--rw ospf:retransmit-interval? common-def:time-interval-sec
| | | | | +--rw ospf:transmit-delay? common-def:time-interval-sec
| | | | | +--rw ospf:md5-authentication
| | | | | | +--rw ospf:key-activation-wait-time? common-def:time-interval-sec
| | | | | | +--rw ospf:no-encrypt-key-table
| | | | | | | +--rw ospf:no-encrypt-key-id? uint32
| | | | | | | | +--rw ospf:no-encrypt-key? ospf-auth-psswd-string
| | | | | | | +--rw ospf:key-table
| | | | | | | | +--rw ospf:key-id? uint32
| | | | | | | | +--rw ospf:key? key-type
| | | | | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
| | | | | +--rw ospf:cost? uint32
| | | | | +--rw ospf:network? enumeration
| | | | | +--rw ospf:intf-ldp-sync? enumeration
| | | | | +--rw ospf:database-filter
| | | | | | +--rw ospf:all-out? empty
| | | | | | +--rw ospf:all-external? database-filter-options
| | | | | | +--rw ospf:all-summary-external? database-filter-options
| | | | | +--rw ospf:mtu-ignore? empty
| | | | | +--rw ospf:active? empty
| | | | | +--rw ospf:passive? empty
| | | | | +--rw ospf:priority? uint32
| | | | | +--rw ospf:bfd
| | | | | | +--rw ospf:intf-bfd-enable? empty
| | | +--rw pim:pim-intf-phy-cont
| | | | +--rw pim:pim-int-cmd
| | | | | +--rw pim:pim-sparse? empty
| | | | +--rw pim:pim
| | | | | +--rw pim:neighbor-filter? ip-prefix-name-t
| | | | | +--rw pim:dr-priority? uint32
| | | | | +--rw pim:ttl-threshold? uint32
| | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | +--rw vrf
| | | +--rw forwarding? common-def:vrf-name
| | +--rw reload-delay
| | | +--rw reload-delay-enable? empty
| | | +--rw reload-delay-time? reload-delay-type
| | +--rw ipv6
| | | +--rw rguard? empty
| | | +--rw ipv6-config:ipv6-config
| | | | +--rw ipv6-config:address
| | | | | +--rw ipv6-config:use-link-local-only? empty

```

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

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

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

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

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| | | | +--rw qos-mls:pfc-threshold-tx-off? flowcontrol-threshold-type
| | | +--rw qos-mls:rx-queue
| | | | +--rw qos-mls:cos-threshold
| | | | | +--rw qos-mls:cos0-threshold? uint32
| | | | | +--rw qos-mls:cos1-threshold? uint32
| | | | | +--rw qos-mls:cos2-threshold? uint32
| | | | | +--rw qos-mls:cos3-threshold? uint32
| | | | | +--rw qos-mls:cos4-threshold? uint32
| | | | | +--rw qos-mls:cos5-threshold? uint32
| | | | | +--rw qos-mls:cos6-threshold? uint32
| | | | | +--rw qos-mls:cos7-threshold? uint32
| | | | +--rw qos-mls:unicast
| | | | | +--rw qos-mls:queue-size* [traffic-class]
| | | | | | +--rw qos-mls:traffic-class traffic-class-id-type
| | | | | | +--rw qos-mls:min-queue-size? min-queue-size-type
| | | | | | +--rw qos-mls:max-queue-size? max-queue-size-type
| | | | +--rw qos-mls:multicast
| | | | | +--rw qos-mls:guarantee-rate? guarantee-rate-type
| | | | | +--rw qos-mls:best-effort-rate? best-effort-rate-type
| | | | | +--rw qos-mls:queue-size* [traffic-class]
| | | | | | +--rw qos-mls:traffic-class uint8
| | | | | | +--rw qos-mls:min-queue-size? min-queue-size-type
| | | | | | +--rw qos-mls:max-queue-size? max-queue-size-type
| | | +--rw sflow:sflow
| | | | +--rw sflow:enable? empty
| | | | +--rw sflow:polling-interval? uint32
| | | | +--rw sflow:sample-rate? uint32
| | | +--rw qos-mqc:service-policy
| | | | +--rw qos-mqc:in? map-name-type
| | | | +--rw qos-mqc:out? map-name-type
| | | +--rw ip-config:ip-forward
| | | | +--rw ip-config:ip
| | | | | +--rw ip-config:forward? empty
| | | +--rw dle:delay-link-event
| | | | +--rw dle:delay-link
| | | | | +--rw dle:delay-link-event-entry? uint32
| | | | | +--rw dle:delay-link-event-type? enumeration
| | | +--rw dot1x:dot1x
| | | | +--rw dot1x:authentication? empty
| | | | +--rw dot1x:port-control? enumeration
| | | | +--rw dot1x:protocol-version? uint32
| | | | +--rw dot1x:quiet-period? uint32
| | | | +--rw dot1x:reauthMax? uint32
| | | | +--rw dot1x:max-req? uint32
| | | | +--rw dot1x:reauthentication? empty
| | | | +--rw dot1x:filter-strict-security? empty
| | | | +--rw dot1x:timeout
| | | | | +--rw dot1x:re-authperiod? dot1x-reauth-timeout-interval
| | | | | +--rw dot1x:supp-timeout? dot1x-supp-timeout-interval
| | | | | +--rw dot1x:tx-period? dot1x-tx-timeout-interval
| | | +--rw dot3ah:link-oam-interface
| | | | +--rw dot3ah:enable? enumeration
| | | | +--rw dot3ah:allow-loopback? empty
| | | | +--rw dot3ah:remote-failure
| | | | | +--rw dot3ah:dying-gasp
| | | | | | +--rw dot3ah:dying-gasp-action? action-type
| | | | | +--rw dot3ah:link-fault
| | | | | | +--rw dot3ah:link-fault-action? action-type
| | | | | +--rw dot3ah:critical-event
| | | | | | +--rw dot3ah:critical-event-action? action-type
| | | +--rw ip-access-list:ip-acl-interface
| | | | +--rw ip-access-list:ip
| | | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | | +--rw ip-access-list:ip-access-list 13-acl-policy-name

```

```

| | | +--rw ip-access-list:ip-direction enumeration
| | | +--rw ip-access-list:traffic-type? enumeration
| | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | +--rw ip-access-list:ip-access-list 13-acl-policy-name
| | +--rw ip-policy:ip-pbr-interface
| | | +--rw ip-policy:ip
| | | | +--rw ip-policy:policy
| | | | +--rw ip-policy:route-map
| | | | +--rw ip-policy:route-map-name? common-def:name-string63
| | +--rw isis:interface-eth-isis-conf
| | | +--rw isis:intf-isis!
| | | | +--rw isis:interface-isis
| | | | | +--rw isis:auth-check
| | | | | | +--rw isis:auth-check-level1
| | | | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | | | | +--rw isis:auth-check-level2
| | | | | | | | +--rw isis:interface-auth-check-level2-disable? empty
| | | | +--rw isis:interface-reverse-metric!
| | | | | +--rw isis:rev-metric-common-attributes
| | | | | | +--rw isis:rev-metric-val? uint32
| | | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | | +--rw isis:interface-auth-mode
| | | | | +--rw isis:interface-md5
| | | | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | | | +--rw isis:interface-auth-mode-md5-level2? empty
| | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | +--rw isis:interface-auth-key-level enumeration
| | | | | +--rw isis:interface-auth-key-str? string
| | | | +--rw isis:interface-hello
| | | | | +--rw isis:interface-hello-padding
| | | | | | +--rw isis:interface-hello-padding-disable? empty
| | | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | | +--rw isis:interface-hello-interval-level enumeration
| | | | | +--rw isis:interface-hello-interval-val? uint32
| | | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-
level]
| | | | | +--rw isis:interface-hello-multiplier-level enumeration
| | | | | +--rw isis:interface-hello-multiplier-val? uint32
| | | | +--rw isis:circuit-type? enumeration
| | | | +--rw isis:interface-ipv6
| | | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | | +--rw isis:interface-metric* [interface-metric-level]
| | | | | +--rw isis:interface-metric-level enumeration
| | | | | +--rw isis:interface-metric-val? uint32
| | | | +--rw isis:interface-point-to-point? empty
| | | | +--rw isis:interface-passive? empty
| | | | +--rw isis:interface-priority
| | | | | +--rw isis:interface-priority-level1? uint32
| | | | | +--rw isis:interface-priority-level2? uint32
| | | | +--rw isis:interface-bfd
| | | | | +--rw isis:interface-bfd-enable? empty
| | | | +--rw isis:interface-ldp-sync? enumeration
| | | | +--rw isis:segment-routing
| | | | | +--rw isis:interface-segment-routing-disable? empty
| | | | | +--rw isis:segment-routing-prefix-sid
| | | | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw lacp-pdu-forward:lacp-pdu-forward
| | | +--rw lacp-pdu-forward:enable? empty
| | +--rw lacp:lacp

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

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

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

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| | | | x--rw native-vlan-ctag-id? dot1q-vlan-type
| | | | x--rw native-vlan-xtagged-config
| | | | | +--rw native-vlan-id-xtagged? vlan-type
| | | | | +--rw native-vlan-ctag-id-xtagged? dot1q-vlan-type
| | | | | +--rw native-vlan-egress-type-xtagged? enumeration
| | | | x--rw native-vlan-untagged-config
| | | | | +--rw native-vlan-id-untagged? vlan-type
| | | +--rw bfd-software-session? empty
| | | +--rw ip
| | | | +--rw source-guard
| | | | | +--rw source-guard-enable? empty
| | | | +--rw ip-config:ip-config
| | | | | +--rw ip-config:mtu? ip-mtu
| | | | | +--rw ip-config:directed-broadcast? empty
| | | | | +--rw ip-config:irdp? empty
| | | | | +--rw ip-config:proxy-arp? empty
| | | | | +--rw ip-config:arp
| | | | | | +--rw ip-config:learn-any? empty
| | | | | | +--rw ip-config:arp-aging-timeout? uint32
| | | | | | +--rw ip-config:address* [address]
| | | | | | | +--rw ip-config:address union
| | | | | | | +--rw ip-config:secondary? empty
| | | | | | | +--rw ip-config:ospf-passive? empty
| | | | | | | +--rw ip-config:ospf-ignore? empty
| | | | | +--rw ip-config:unnumbered
| | | | | +--rw ip-config:ip-donor-interface-type? ip-unnumbered-donor-
interface-type_t
| | | | | +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-
interface-name_t
| | | | +--rw dai:arp
| | | | | +--rw dai:inspection
| | | | | +--rw dai:trust? empty
| | | | | +--rw dai:filter
| | | | | | +--rw dai:acl-name? dai-acl-policy-name
| | | | +--rw dhcp:interface-po-dhcp-conf
| | | | | +--rw dhcp:dhcp
| | | | | | +--rw dhcp:relay
| | | | | | | +--rw dhcp:servers* [relay-ip-addr server-vrf-name]
| | | | | | | | +--rw dhcp:relay-ip-addr dhcp-ipv4-address
| | | | | | | | +--rw dhcp:server-vrf-name common-def:vrf-name
| | | | | | +--rw dhcp:gateway
| | | | | | | +--rw dhcp:gateway-address? dhcp-ipv4-address
| | | | | | | +--rw dhcp:gw-intf-type? dhcp-gateway-interface-type
| | | | | | | +--rw dhcp:gw-intf-name? dhcp-gateway-interface-name
| | | | +--rw dhcp:dhcp
| | | | | +--rw dhcp:snooping
| | | | | | +--rw dhcp:dhcp-snooping-trust? empty
| | | | +--rw icmp:icmp
| | | | | +--rw icmp:rate-limiting? uint32
| | | | | +--rw icmp:echo-reply? empty
| | | | | +--rw icmp:redirect? empty
| | | | | +--rw icmp:unreachable? empty
| | | | +--rw isis:intf-router-isis
| | | | | +--rw isis:int-router-isis
| | | | | | +--rw isis:interface-ip-router-isis? empty
| | | | +--rw ospf:interface-PO-ospf-conf
| | | | | +--rw ospf:ospf1
| | | | | | +--rw ospf:area? ospf-area-id
| | | | | | +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | | | +--rw ospf:authentication-key
| | | | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | | | +--rw ospf:auth-key-table
| | | | | | | +--rw ospf:encrypttype? key-type

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

```



```

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

```



```

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

```

```

| | +--rw core-isolation-track?          empty
| | +--rw ethernet-segment!
| | | +--rw lacp
| | | | +--rw system-id?   string
| | | | +--rw auto?        empty
| | | | +--rw esi?         union
| | | | +--rw load-balance-mode? enumeration
| | | | +--rw advertise
| | | |   +--rw capability
| | | |     +--rw ac-influenced-df-election? empty
| | +--rw mac-access-list:mac
| | | +--rw mac-access-list:access-group* [mac-access-list mac-direction]
| | | | +--rw mac-access-list:mac-access-list   mac-acl-name
| | | | +--rw mac-access-list:mac-direction    enumeration
| | | | +--rw mac-access-list:traffic-type?    enumeration
| | +--rw lif:logical-interface
| | | +--rw lif:port-channel* [pc-instance-id]
| | | | +--rw lif:pc-instance-id      lif-port-channel-type
| | | | +--rw lif:shutdown?          empty
| | | | +--rw lif:name?              string
| | | | +--rw lif:untagged
| | | | | +--rw lif:untagged-vlan
| | | | | | +--rw lif:untagged-vlan-id? uint32
| | | | | +--rw lif:tagged-outer-vlan
| | | | | | +--rw lif:outer-tagged-vlan-id? uint32
| | | | | | +--rw lif:inner-tagged-vlan-id? uint32
| | +--rw qos-mls:storm-control
| | | +--rw qos-mls:ingress* [protocol-type]
| | | | +--rw qos-mls:protocol-type  enumeration
| | | | +--rw qos-mls:rate-format?   enumeration
| | | | +--rw qos-mls:rate-bps?     rate-limit-bps-type
| | | | +--rw qos-mls:rate-percent?  rate-limit-percentage-type
| | | | +--rw qos-mls:bum-action?    enumeration
| | +--rw qos-mls:qos
| | | +--rw qos-mls:default-cos?    cos-id-type
| | | +--rw qos-mls:default-tc?    traffic-class-id-type
| | | +--rw qos-mls:trust
| | | | +--rw qos-mls:trust-cos?    empty
| | | | +--rw qos-mls:trust-dscp?   empty
| | | +--rw qos-mls:remark
| | | | +--rw qos-mls:remark-dscp?  empty
| | | +--rw qos-mls:cos-mutation?  map-name-type
| | | | +--rw qos-mls:cos-mutation-builtin
| | | | | +--rw qos-mls:map-name?    builtin-map-name-type
| | | | +--rw qos-mls:traffic-class-cos? map-name-type
| | | | +--rw qos-mls:traffic-class-cos-builtin
| | | | | +--rw qos-mls:map-name?    builtin-map-name-type
| | | | +--rw qos-mls:cos-traffic-class? map-name-type
| | | | | +--rw qos-mls:cos-traffic-class-builtin
| | | | | | +--rw qos-mls:map-name?    builtin-map-name-type
| | | | | +--rw qos-mls:traffic-class-dscp? map-name-type
| | | | | +--rw qos-mls:traffic-class-dscp-builtin
| | | | | | +--rw qos-mls:map-name?    builtin-map-name-type
| | | | | +--rw qos-mls:dscp-mutation?  map-name-type
| | | | | | +--rw qos-mls:dscp-mutation-builtin
| | | | | | | +--rw qos-mls:map-name?    builtin-map-name-type
| | | | | | +--rw qos-mls:dscp-traffic-class? map-name-type
| | | | | | +--rw qos-mls:dscp-traffic-class-builtin
| | | | | | | +--rw qos-mls:map-name?    builtin-map-name-type
| | | | | | +--rw qos-mls:dscp-cos?      map-name-type
| | | | | | | +--rw qos-mls:dscp-cos-builtin
| | | | | | | | +--rw qos-mls:map-name?    builtin-map-name-type
| | | | | | +--rw qos-mls:random-detect
| | | | | | | +--rw qos-mls:traffic-class* [red-tc-value red-dp-value]

```

```

| | | | +--rw qos-mls:red-tc-value      traffic-class-id-type
| | | | +--rw qos-mls:red-dp-value      drop-precedence-id-type
| | | | +--rw qos-mls:red-profile-id?   red-profile-id-type
| | | +--rw qos-mls:drop-monitor
| | | | +--rw qos-mls:drop-monitor-enable?  empty
| | | +--rw qos-mls:port-speed-up?      uint32
| | | +--rw qos-mls:flowcontrol
| | | | +--rw qos-mls:link-level-flowcontrol
| | | | | +--rw qos-mls:flowcontrol-tx?   enumeration
| | | | | +--rw qos-mls:flowcontrol-rx?   enumeration
| | | | +--rw qos-mls:pfc* [pfc-cos]
| | | | | +--rw qos-mls:pfc-cos          cos-id-type
| | | | | +--rw qos-mls:pfc-flowcontrol-tx  enumeration
| | | | | +--rw qos-mls:pfc-flowcontrol-rx  enumeration
| | | | +--rw qos-mls:threshold
| | | | | +--rw qos-mls:threshold-tx-on?   flowcontrol-threshold-type
| | | | | +--rw qos-mls:threshold-tx-off?  flowcontrol-threshold-type
| | | | +--rw qos-mls:pfc-threshold
| | | | | +--rw qos-mls:threshold
| | | | | +--rw qos-mls:pfc* [pfc-threshold-cos]
| | | | | | +--rw qos-mls:pfc-threshold-cos  cos-id-type
| | | | | | +--rw qos-mls:pfc-threshold-tx-on?  flowcontrol-threshold-type
| | | | | | +--rw qos-mls:pfc-threshold-tx-off?  flowcontrol-threshold-type
| | | +--rw sflow:sflow
| | | | +--rw sflow:enable?              empty
| | | | +--rw sflow:polling-interval?    uint32
| | | | +--rw sflow:sample-rate?        uint32
| | | +--rw qos-mqc:service-policy
| | | | +--rw qos-mqc:in?                map-name-type
| | | | +--rw qos-mqc:out?              map-name-type
| | | +--rw ip-access-list:ip-acl-interface
| | | | +--rw ip-access-list:ip
| | | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | | +--rw ip-access-list:ip-access-list  13-acl-policy-name
| | | | | +--rw ip-access-list:ip-direction  enumeration
| | | | | +--rw ip-access-list:traffic-type?  enumeration
| | | | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | | | | +--rw ip-access-list:ip
| | | | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | | | +--rw ip-access-list:ip-access-list  13-acl-policy-name
| | | | +--rw ip-policy:ip-pbr-interface
| | | | | +--rw ip-policy:ip
| | | | | | +--rw ip-policy:policy
| | | | | | | +--rw ip-policy:route-map
| | | | | | | +--rw ip-policy:route-map-name?  common-def:name-string63
| | | +--rw isis:intf-isis!
| | | | +--rw isis:interface-isis
| | | | | +--rw isis:auth-check
| | | | | | +--rw isis:auth-check-level1
| | | | | | | +--rw isis:interface-auth-check-level1-disable?  empty
| | | | | | | +--rw isis:auth-check-level2
| | | | | | | +--rw isis:interface-auth-check-level2-disable?  empty
| | | | | +--rw isis:interface-reverse-metric!
| | | | | | +--rw isis:rev-metric-common-attributes
| | | | | | | +--rw isis:rev-metric-val?          uint32
| | | | | | | +--rw isis:rev-metric-whole-lan?    empty
| | | | | | | +--rw isis:rev-metric-te-def-metric?  empty
| | | | | +--rw isis:interface-auth-mode
| | | | | | +--rw isis:interface-md5
| | | | | | | +--rw isis:interface-auth-mode-md5-level1?  empty
| | | | | | | +--rw isis:interface-auth-mode-md5-level2?  empty
| | | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | | +--rw isis:interface-auth-key-level  enumeration
| | | | | | +--rw isis:interface-auth-key-str?   string

```

```

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

```

```

| | | | +--rw vrrp:unicast-request
| | | |   +--rw vrrp:receive? empty
| | | | +--rw vrrp:priority?      uint8
| | | | +--rw vrrp:description?   string
| | +--rw mct:cluster-client
| | | +--rw mct:client-id?      mct-po-client-id-type
| | +--rw mct:cluster-track
| | | +--rw mct:cluster-track-flag? empty
| | +--rw mvrp:mvrp-intf
| | | +--rw mvrp:intf-enable?    empty
| | | | +--rw mvrp:applicant-mode? applicant-state-type
| | | | +--rw mvrp:registration-mode
| | | | | +--rw mvrp:forbidden
| | | | |   +--rw mvrp:vlan
| | | | |   +--rw mvrp:add?      member-vlan-id
| | | | |   +--rw mvrp:remove?  member-vlan-id
| | | | +--rw mvrp:timer
| | | | | +--rw mvrp:join?      uint32
| | | | | +--rw mvrp:leave?     uint32
| | | | | +--rw mvrp:leave-all? uint32
| | +--rw openflow:openflowPo
| | | +--rw openflow:enablePoMode
| | | | +--rw openflow:modeTypePo? enumeration
| | +--rw uda-access-list:uda
| | | +--rw uda-access-list:access-group* [uda-access-list uda-direction]
| | | | +--rw uda-access-list:uda-access-list  uda-acl-name
| | | | +--rw uda-access-list:uda-direction   enumeration
| | | +--rw uda-access-list:policy
| | | | +--rw uda-access-list:route-map?      route-map-type
| | +--rw uda-access-list:offsets-container
| | | +--rw uda-access-list:offsets?  uda-profile-name
| | +--rw xstp:spanning-tree
| | | +--rw xstp:autoedge?            empty
| | | +--rw xstp:cost?                uint32
| | | +--rw xstp:portfast
| | | | +--rw xstp:portfastbasic?     empty
| | | | +--rw xstp:bpdu-guard?        empty
| | | +--rw xstp:edgeport
| | | | +--rw xstp:edgeportbasic?     empty
| | | | +--rw xstp:bpdu-guard?        empty
| | | +--rw xstp:guard
| | | | +--rw xstp:root?              empty
| | | +--rw xstp:bpdu-mac?            enumeration
| | | +--rw xstp:link-type?           enumeration
| | | +--rw xstp:priority?            uint32
| | | +--rw xstp:restricted-role?     empty
| | | +--rw xstp:restricted-tcn?     empty
| | | +--rw xstp:shutdown?            empty
| | | +--rw xstp:vlan* [id]
| | | | +--rw xstp:id                  uint32
| | | | +--rw xstp:cost?                uint32
| | | | +--rw xstp:priority?            uint32
| | | | +--rw xstp:guard
| | | | | +--rw xstp:root?              empty
| | | +--rw xstp:instance* [id]
| | | | +--rw xstp:id                    mstp-instance-type
| | | | +--rw xstp:cost?                  uint32
| | | | +--rw xstp:priority?              uint32
| | | | +--rw xstp:restricted-role?      empty
| | | | +--rw xstp:restricted-tcn?      empty
| | +--rw management* [name]
| | | +--rw name                          standalone-man-interface-type
| | | +--rw tcp
| | | | +--rw tcp_burstrate?              uint32

```

```

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

```



```

|   | +--rw gre-vxlan:router-ve?  uint32
|   +--rw gre-vxlan:gre-ttl?      uint32
|   +--rw gre-vxlan:gre-dscp?    uint32
|   +--rw gre-vxlan:tunnel-name? string
|   +--rw gre-vxlan:dscp-ttl-mode? enumeration
|   +--rw gre-vxlan:statistics?  empty
|   +--rw gre-vxlan:keepalive
|       +--rw gre-vxlan:time-interval? uint32
|       +--rw gre-vxlan:retry-count?  uint32
+--rw interface-vlan
| +--rw interface
| +--rw vlan* [name]
|   +--rw name                vlan-type
|   +--rw mac-learning
|   | +--rw mac-learning-disable? empty
|   +--rw statistics?        empty
|   +--rw statistics-sync?   empty
|   +--rw loop-detection?    empty
|   +--rw loop-detection-shutdown-disable? empty
|   +--rw router-interface
|   | +--rw ve-config?  ve-type
|   +--ro ifindex?        uint64
|   +--rw description?   string
|   +--rw vlan-name?     string
|   +--rw ip
|   | +--rw dai:arp
|   | | +--rw dai:inspection
|   | | +--rw dai:trust?  empty
|   | | +--rw dai:filter
|   | | +--rw dai:acl-name? dai-acl-policy-name
|   | +--rw dhcp:dhcp
|   | | +--rw dhcp:snooping
|   | | +--rw dhcp:vlan-dhcp-snooping-enable? empty
|   | +--rw igmp-snooping:igmpPIM
|   | | +--rw igmp-snooping:snooping
|   | | +--rw igmp-snooping:vlan-pimv4-enable? empty
|   | +--rw igmp-snooping:igmpVlan
|   | | +--rw igmp-snooping:snooping
|   | | +--rw igmp-snooping:igmps-version?      igmps-version-
type
|   | | +--rw igmp-snooping:igmps-last-member-query-interval? lmq-t-type
|   | | +--rw igmp-snooping:igmps-query-max-response-time?   qmrt-type
|   | | +--rw igmp-snooping:igmps-query-interval?            qi-type
|   | | +--rw igmp-snooping:igmps-enable?                    empty
|   | | +--rw igmp-snooping:igmps-fast-leave?                empty
|   | | +--rw igmp-snooping:restrict-unknown-multicast?     empty
|   | +--rw igmp-snooping:igmps-querier
|   | | +--rw igmp-snooping:igmps-qenable?  empty
|   | +--rw igmp-snooping:igmps_mrouter
|   | | +--rw igmp-snooping:igmps-interface* [igmps-if-type igmps-value]
|   | | | +--rw igmp-snooping:igmps-if-type  enumeration
|   | | | +--rw igmp-snooping:igmps-value    string-type
|   | | +--rw igmp-snooping:igmps_static-group* [igmps-mcast-address igmps-
interface igmps-if-type igmps-value]
|   | | +--rw igmp-snooping:igmps-mcast-address  inet:ipv4-address
|   | | +--rw igmp-snooping:igmps-interface    enumeration
|   | | +--rw igmp-snooping:igmps-if-type      enumeration
|   | | +--rw igmp-snooping:igmps-value        string-type
|   +--rw ipv6
|   | +--rw mld-snooping:mldPIM
|   | | +--rw mld-snooping:snooping
|   | | +--rw mld-snooping:vlan-pimv6-enable? empty
|   | +--rw mld-snooping:mldVlan
|   | | +--rw mld-snooping:snooping

```

```

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

```

```

| |         +--rw lldp:dot1-tlv?           empty
| |         +--rw lldp:dot3-tlv?           empty
| |         +--rw lldp:bgp-auto-nbr-tlv?   empty
| |         +--rw lldp:optional-tlv
| |             +--rw lldp:management-address?   empty
| |             +--rw lldp:port-description?     empty
| |             +--rw lldp:system-capabilities?   empty
| |             +--rw lldp:adv-tlv-system-description? empty
| |             +--rw lldp:adv-tlv-system-name?   empty
| +--rw mvrp:mvrp-global!
| |   +--rw mvrp:timer
| |     +--rw mvrp:join?           uint32
| |     +--rw mvrp:leave?          uint32
| |     +--rw mvrp:leave-all?     uint32
| +--rw udld:udld!
| |   +--rw udld:hello?           uint32
| |   +--rw udld:multiplier?     uint32
| |   +--rw udld:shutdown?       empty
| +--rw xstp:spanning-tree
| |   +--rw xstp:stp!
| |     +--rw xstp:timer-config
| |       +--rw xstp:hello-time?   uint32
| |       +--rw xstp:forward-delay? uint32
| |       +--rw xstp:max-age?      uint32
| |       +--rw xstp:description?  string
| |       +--rw xstp:bridge-priority? uint32
| |       +--rw xstp:error-disable-timeout
| |         +--rw xstp:enable?     empty
| |         +--rw xstp:interval?   uint32
| |       +--rw xstp:port-channel
| |         +--rw xstp:path-cost?  enumeration
| |       +--rw xstp:shutdown?     empty
| |   +--rw xstp:rstp!
| |     +--rw xstp:timer-config
| |       +--rw xstp:hello-time?   uint32
| |       +--rw xstp:forward-delay? uint32
| |       +--rw xstp:max-age?      uint32
| |       +--rw xstp:description?  string
| |       +--rw xstp:bridge-priority? uint32
| |       +--rw xstp:error-disable-timeout
| |         +--rw xstp:enable?     empty
| |         +--rw xstp:interval?   uint32
| |       +--rw xstp:port-channel
| |         +--rw xstp:path-cost?  enumeration
| |       +--rw xstp:shutdown?     empty
| |       +--rw xstp:transmit-holdcount? uint32
| |   +--rw xstp:pvst!
| |     +--rw xstp:timer-config
| |       +--rw xstp:hello-time?   uint32
| |       +--rw xstp:forward-delay? uint32
| |       +--rw xstp:max-age?      uint32
| |       +--rw xstp:description?  string
| |       +--rw xstp:bridge-priority? uint32
| |       +--rw xstp:error-disable-timeout
| |         +--rw xstp:enable?     empty
| |         +--rw xstp:interval?   uint32
| |       +--rw xstp:port-channel
| |         +--rw xstp:path-cost?  enumeration
| |       +--rw xstp:shutdown?     empty
| |       +--rw xstp:vlan* [id]
| |         +--rw xstp:id           uint32
| |         +--rw xstp:priority?    uint32
| |       +--rw xstp:timer-config
| |         +--rw xstp:hello-time?  uint32

```

```

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

```

brocade-interface-ext

RPCs

```

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

```

```

|     +--ro has-more?      boolean
+---x get-ip-interface
|   +---w input
|   |   +---w (request-type)?
|   |   |   +---: (get-request)
|   |   |   |   +---w interface-type?      enumeration
|   |   |   |   +---w interface-name?      union
|   |   |   +---: (get-next-request)
|   |   |   +---w last-received-interface
|   |   |   |   +---w interface-type?      enumeration
|   |   |   |   +---w interface-name?      union
|   +---ro output
|   |   +---ro interface* [interface-type interface-name]
|   |   |   +---ro interface-type      enumeration
|   |   |   +---ro interface-name      union
|   |   |   +---ro if-name?           string
|   |   |   +---ro ip-address* [ipv4]
|   |   |   |   +---ro ipv4            string
|   |   |   |   +---ro ipv4-type?      enumeration
|   |   |   |   +---ro broadcast?      string
|   |   |   |   +---ro ip-mtu?         ip-config:ip-mtu
|   |   |   +---ro if-state?          enumeration
|   |   |   +---ro line-protocol-state? enumeration
|   |   |   +---ro proxy-arp?         string
|   |   |   +---ro vrf?               string
|   |   |   +---ro redundant-management? boolean
|   |   +---ro has-more?      boolean
+---x get-interface-detail
|   +---w input
|   |   +---w (request-type)?
|   |   |   +---: (get-request)
|   |   |   |   +---w interface-type?      enumeration
|   |   |   |   +---w interface-name?      union
|   |   |   +---: (get-next-request)
|   |   |   +---w last-rcvd-interface
|   |   |   |   +---w interface-type?      enumeration
|   |   |   |   +---w interface-name?      union
|   +---ro output
|   |   +---ro interface* [interface-type interface-name]
|   |   |   +---ro interface-type      enumeration
|   |   |   +---ro interface-name      union
|   |   |   +---ro ifindex?           uint64
|   |   |   +---ro mtu?                interface:mtu-type
|   |   |   +---ro ip-mtu?             ip-config:ip-mtu
|   |   |   +---ro if-name?           string
|   |   |   +---ro if-state?          enumeration
|   |   |   +---ro line-protocol-state? enumeration
|   |   |   +---ro line-protocol-state-info? string
|   |   |   +---ro line-protocol-exception-info? string
|   |   |   +---ro hardware-type?     enumeration
|   |   |   +---ro logical-hardware-address? yang:mac-address
|   |   |   +---ro current-hardware-address? yang:mac-address
|   |   |   +---ro media-type?        enumeration
|   |   |   +---ro wavelength?       uint32
|   |   |   +---ro if-description?    string
|   |   |   +---ro actual-line-speed? string
|   |   |   +---ro configured-line-speed? line-speed
|   |   |   +---ro line-duplex-state? enumeration
|   |   |   +---ro queuing-strategy?  enumeration
|   |   |   +---ro port-role?        enumeration
|   |   |   +---ro port-mode?        enumeration
|   |   |   +---ro ifHCInOctets?      yang:counter64
|   |   |   +---ro ifHCInUcastPkts?  yang:counter64
|   |   |   +---ro ifHCInMulticastPkts? yang:counter64

```

```

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

```

```

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

```



```

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

```

brocade-intf-loopback

Top-level container

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

brocade-ip-access-list

Top-level container

```

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

```

```

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

```

brocade-ip-administration

External augmentations

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

brocade-ip-config

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

External augmentations

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

brocade-ip-policy

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

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

Top-level container

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

brocade-ipv6-access-list

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

```



```

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

brocade-isis

External augmentations

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

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

module: brocade-interface

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

brocade-isis-operational

Top-level container

```

module: brocade-isis-operational
  +--ro adj-neighbor-entries-state
  | +--ro adj-neighbor* [neighbor-id]
  | | +--ro adj-state-change-time? uint32
  | | +--ro adj-type? isis-adj-type
  | | +--ro adj-state? string
  | | +--ro neighbor-id string
  | | +--ro circuit-intf-name? string
  | | +--ro snpa? string
  | | +--ro adj-holding-time? uint8
  | | +--ro adj-priority? uint8
  | | +--ro adj-mtprot? isis-adj-prot-type
  | | +--ro adj-prot? isis-adj-prot-type
  | | +--ro remaining-time? uint32
  | | +--ro adj-3way-state? isis-dcm-3way-adj-state
  | | +--ro host-name? string
  | | +--ro adj-lan-name? string
  | | +--ro adj-lan-id? uint8
  | | +--ro adj-p2p-circ-id? uint32
  | | +--ro adj-num-adds? uint8
  | | +--ro adj-use? isis-spf-level
  | | +--ro ip-circuit-id? uint32
  | | +--ro adj-address? inet:ipv4-address
  | | +--ro ip6-circuit-id? uint32
  | | +--ro adj-ip6-address? string
  | | +--ro bfd-holdover-interval? uint8
  | | +--ro adj-bfd-holdover-time? uint8
  | | +--ro bfd-state? string
  | | +--ro adj-area* [adj-asi-area-name]
  | | | +--ro adj-asi-area-name string
  +--ro counts-state
  | +--ro areamis? uint32
  | +--ro maxareamis? uint32
  | +--ro badidlen? uint32
  | +--ro seqskip? uint32
  | +--ro seqerr? uint32
  | +--ro l1dbol? uint32
  | +--ro l2dbol? uint32
  | +--ro ownpurge? uint32
  | +--ro csnpl1authfail? uint32
  | +--ro csnpl2authfail? uint32
  | +--ro psnpl1authfail? uint32
  | +--ro psnpl2authfail? uint32
  | +--ro circ-l1authfail? uint32
  | +--ro circ-l2authfail? uint32
  +--ro sr-isis-error-info
  | | +--ro sr-isis-e-same-node-sid-diff-prefix-level? uint32
  | | +--ro sr-isis-e-no-adj-label-space? uint32
  | | +--ro sr-isis-error-counts-per-level-info* [level]
  | | | +--ro level isis-level
  | | | +--ro sr-isis-e-same-node-sid-diff-pre-add? uint32
  | | | +--ro sr-isis-e-same-pre-add-diff-node-sid? uint32
  | | | +--ro sr-isis-e-prefix-sid-flag-n-unset? uint32
  | | | +--ro sr-isis-e-prefix-sid-out-of-my-srgb? uint32
  | | | +--ro sr-isis-e-prefix-no-sr-capability? uint32
  | | | +--ro sr-isis-e-prefix-sid-out-of-nh-srgb? uint32
  | | | +--ro sr-isis-e-cap-sub-tlv-flag-i-unset? uint32
  +--ro bad-lsp-log* [type-index]

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```



```

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

```

```

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

```

```

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

```

```

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

brocade-keychain

Top-level container

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

brocade-l2sys-operational

Top-level container

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

brocade-lacp

Top-level container

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

External augmentations

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

brocade-lag

Top-level container

```

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

```

RPCs

```

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

```



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

brocade-lfs

Top-level container

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

External augmentations

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

brocade-license

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

Top-level container

```

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

```

brocade-linecard-management

Top-level container

```

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

```

brocade-lldp

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

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

External augmentations

```

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

```

```

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

```

brocade-lldp-ext

RPCs

```

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

```

brocade-mac-access-list

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

Top-level container

```

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


RPCs

Return the ingress and egress policies for an interface:

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

brocade-mac-address-table

Top-level container

```

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

```

RPCs

```

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

```

```
| +--ro mac-state?          enumeration
| +--ro forwarding-interface*
|   +--ro interface-type?  enumeration
|   +--ro interface-name?  union
+--ro has-more?            boolean
```

brocade-mc-hms-operational

Top-level container

```

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

```

```

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

```

```

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

```

```
+--ro vlan-groups* [grp-ip-addr]
  +--ro grp-ip-addr    inet:ipv4-address
  +--ro member-ports? string
```

brocade-mct

Top-level container

```

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

```


brocade-mld-snooping

Top-level container

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

brocade-mpls

Top-level container

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

rpcs:
  +---x clear-mpls-lsp
  | +---w input

```

```

|     +---w mpls-clear-lsp-name-in?  string
+---x clear-mpls-rsvp-statistics
|   +---ro output
|     +---ro clear-mpls-rsvp-statistics-out
|       +---ro clear-mpls-rsvp-statistics-ret-msg?  string
+---x clear-mpls-rsvp-statistics-neighbor
|   +---w input
|     | +---w clear-mpls-rsvp-statistics-neighbor-address?  mpls-ipv4-address
|     | +---w clear-mpls-rsvp-statistics-neighbor-all?      boolean
|   +---ro output
|     +---ro clear-mpls-rsvp-statistics-neighbor-out
|       +---ro clear-mpls-rsvp-statistics-neighbor-ret-msg?  string
+---x clear-mpls-ldp-statistics
|   +---ro output
|     +---ro clear-mpls-ldp-statistics-out
|       +---ro clear-mpls-ldp-statistics-ret-msg?  string
+---x clear-mpls-statistics
|   +---w input
|     | +---w mpls-clear-statistics-type?  uint8
|     | +---w protocol?                    string
|     | +---w fec-prefix?                  mpls-ipv4-prefix
|     | +---w prefix-address?              mpls-ipv4-address
|     | +---w prefix-mask?                 mpls-ipv4-subnet-mask
|     | +---w label?                       uint8
|     | +---w in-label?                    uint32
|     | +---w tunnel-id-present?           uint8
|     | +---w tunnel-id?                  uint32
|     | +---w bypass?                      uint8
|     | +---w tunnel-name?                string
|     | +---w tunnel-dest?                mpls-ipv4-address
|   +---ro output
|     +---ro mpls-clear-statistics-ret-msg?  string
+---x clear-mpls-ldp-neighbor
|   +---w input
|     | +---w mpls-clear-all-ldp-sessions?  boolean
|     | +---w mpls-clear-one-ldp-sessions?  inet:ipv4-address
|   +---ro output
|     +---ro clear-mpls-ldp-neighbor-out
|       +---ro clear-mpls-ldp-neighbor-ret-msg?  string
module: brocade-multicast-operational
+---ro igmp-show-debug-state
|   +---ro enable-any?      boolean
|   +---ro error?           boolean
|   +---ro events?         boolean
|   +---ro group?          boolean

```


brocade-mpls-operational

Top-level container

```

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

```

```

| | | +--ro gr-recovery-time?                               uint32
| | | +--ro gr-max-peer-recovery-time?                     uint32
| | | +--ro forwarding-state-timer-running?                boolean
| | | +--ro forwarding-state-timer-remaining?             uint32
| | | +--ro lwd-delay?                                     uint32
| | | +--ro lwd-default?                                   boolean
| | | +--ro ldp-session-summary
| | | | +--ro num-link-sessions?                           uint32
| | | | +--ro num-operational-link-sessions?              uint32
| | | | +--ro num-targeted-sessions?                      uint32
| | | | +--ro num-operational-targeted-sessions?          uint32
| | | +--ro tunnels
| | | | +--ro total-tunnel-count?                          uint32
| | | | +--ro ldp-tunnels* [tunnel-destination prefix-length]
| | | | | +--ro tunnel-interface-index?                   uint32
| | | | | +--ro tunnel-metric?                             uint32
| | | | | +--ro name?                                     string
| | | | | +--ro tunnel-lsp-state?                         uint32
| | | | | +--ro tunnel-vif?                               uint32
| | | | | +--ro protocol-type?                            mpls-protocol
| | | | | +--ro out-segments* [outgoing-interface]
| | | | | | +--ro outgoing-interface                     string
| | | | | | | +--ro next-hop-ipaddress?                   inet:ipv4-address
| | | | | | +--ro tunnel-destination                       inet:ipv4-address
| | | | | | +--ro prefix-length                           uint32
| | | +--ro statistics
| | | | +--ro protocol-errors* [stats-group]
| | | | | +--ro stats-group                               mpls-ldp-stats-error-group
| | | | | +--ro protocol-error* [error-type]
| | | | | | +--ro error-type                               uint32
| | | | | | +--ro count?                                   uint32
| | | | | +--ro protocol-stats* [stats-group]
| | | | | | +--ro stats-group                             mpls-ldp-stats-error-group
| | | | | | +--ro protocol-stat* [stat-type]
| | | | | | | +--ro stat-type                             uint32
| | | | | | | +--ro rx-count?                             uint32
| | | | | | | +--ro tx-count?                             uint32
| | | +--ro ldp-fec-statistics
| | | | +--ro number-of-prefix-fec?                       uint32
| | | | +--ro number-of-prefix-fec-installed?             uint32
| | | | +--ro number-of-prefix-fec-filtered-in?           uint32
| | | | +--ro number-of-prefix-fec-filtered-out?         uint32
| | | | +--ro number-of-vc-fec-128?                      uint32
| | | | +--ro number-of-vc-fec-129?                      uint32
| | | | +--ro number-of-vc-fec-installed?                 uint32
| | | | +--ro number-of-route-upd-proc-errors?           uint32
| | | | +--ro number-of-vc-fec-proc-errors?              uint32
| | | | +--ro number-of-prefix-fec-lwd?                   uint32
| | | | +--ro number-of-vc-fec?                           uint32
| | | +--ro interface* [interface-name]
| | | | +--ro interface-name                             string
| | | | +--ro interface-index?                           uint32
| | | | +--ro label-space?                               uint32
| | | | +--ro neighbor-count?                            uint32
| | | | +--ro hello-interval?                            uint32
| | | | +--ro hello-timeout?                             uint32
| | | | +--ro hello-next?                                uint32
| | | +--ro ldp-database* [peer-ip own-ip]
| | | | +--ro peer-ip                                    inet:ipv4-address
| | | | +--ro own-ip                                    inet:ipv4-address
| | | | +--ro upstream* [index]
| | | | | +--ro label?                                    uint32
| | | | | +--ro prefix?                                  inet:ipv4-address
| | | | | +--ro prefix-length?                           uint32

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```



```

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

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| | | +--ro resvconf-tx? uint64
| | | +--ro bundle-tx? uint64
| | | +--ro ack-tx? uint64
| | | +--ro sumrefresh-tx? uint64
| | | +--ro hello-tx? uint64
| | | +--ro path-rx? uint64
| | | +--ro resv-rx? uint64
| | | +--ro patherr-rx? uint64
| | | +--ro resverr-rx? uint64
| | | +--ro pathtear-rx? uint64
| | | +--ro resvtear-rx? uint64
| | | +--ro resvconf-rx? uint64
| | | +--ro bundle-rx? uint64
| | | +--ro ack-rx? uint64
| | | +--ro sumrefresh-rx? uint64
| | | +--ro hello-rx? uint64
| | | +--ro path-tx-since-last-clear? uint64
| | | +--ro resv-tx-since-last-clear? uint64
| | | +--ro patherr-tx-since-last-clear? uint64
| | | +--ro resverr-tx-since-last-clear? uint64
| | | +--ro pathtear-tx-since-last-clear? uint64
| | | +--ro resvtear-tx-since-last-clear? uint64
| | | +--ro resvconf-tx-since-last-clear? uint64
| | | +--ro bundle-tx-since-last-clear? uint64
| | | +--ro ack-tx-since-last-clear? uint64
| | | +--ro sumrefresh-tx-since-last-clear? uint64
| | | +--ro hello-tx-since-last-clear? uint64
| | | +--ro path-rx-since-last-clear? uint64
| | | +--ro resv-rx-since-last-clear? uint64
| | | +--ro patherr-rx-since-last-clear? uint64
| | | +--ro resverr-rx-since-last-clear? uint64
| | | +--ro pathtear-rx-since-last-clear? uint64
| | | +--ro resvtear-rx-since-last-clear? uint64
| | | +--ro resvconf-rx-since-last-clear? uint64
| | | +--ro bundle-rx-since-last-clear? uint64
| | | +--ro ack-rx-since-last-clear? uint64
| | | +--ro sumrefresh-rx-since-last-clear? uint64
| | | +--ro hello-rx-since-last-clear? uint64
| | +--ro sessions* [dest-ip-addr src-ip-addr tunnel-id session-role]
| | | +--ro dest-ip-addr inet:ipv4-address
| | | +--ro src-ip-addr inet:ipv4-address
| | | +--ro tunnel-id uint16
| | | +--ro session-role session-role
| | | +--ro session-operational-status? boolean
| | | +--ro psbs* [path-index]
| | | | +--ro path-index uint32
| | | | +--ro session-name? string
| | | | +--ro session-type? session-type
| | | | +--ro path-operational-status? boolean
| | | | +--ro session-in-label? uint32
| | | | +--ro session-out-label? uint32
| | | | +--ro session-out-interface? string
| | | | +--ro lsp-id? uint32
| | | | +--ro flap-lock? uint32
| | | | +--ro path-refresh? uint32
| | | | +--ro path-refresh-ttd? uint32
| | | | +--ro resv-refresh? uint32
| | | | +--ro resv-refresh-ttd? uint32
| | | | +--ro tspec-peak? uint32
| | | | +--ro tspec-rate? uint32
| | | | +--ro tspec-size? uint32
| | | | +--ro tspec-minimum? uint32
| | | | +--ro tspec-m? uint32
| | | | +--ro psb-setup-priority? uint8

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

```

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

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

```

```

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

```

```

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

```

```

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

```



```

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

```

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

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

```

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

```

```

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

```

```

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

```

brocade-nameserver

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

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

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

RPCs

```

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

```

brocade-netconf-ext

RPCs

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


brocade-nsm-operational

Top-level container

```

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

```

```

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

```

```

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

```

brocade-ntp

Top-level container

```

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

RPCs

Return address of the active NTP server:

```

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

brocade-onie-grub

Top-level container

```

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

```

Actions

Show the onie status:

```

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

```

brocade-ospf

External augmentations

```

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

```

brocade-ospfv3

External augmentations

```

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

```

brocade-pim

External augmentations

```

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

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

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

```


brocade-pim-operational

Top-level container

```

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

```

```

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

```

```

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

```

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

brocade-port-profile

Top-level container

```

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

```

```

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

```

brocade-preprovision

Top-level container

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

RPC

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

brocade-pw-profile

Top-level container

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


brocade-pwm-operational

Top-level container

```

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

```

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

brocade-qos-cee

Top-level container

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

brocade-qos-cpu

External augmentations

```

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

```

brocade-qos-mls

External augmentations

```

Module: brocade-qos-mls
+--rw qos
| +--rw map
| | +--rw cos-mutation* [name]
| | | +--rw name map-name-type
| | | +--rw cos-to-cos-mappings* [from-cos]
| | |   +--rw from-cos cos-id-type
| | |   +--rw to
| | |     +--rw to-cos? cos-id-type
| | +--rw cos-traffic-class* [name]
| | | +--rw name map-name-type
| | | +--rw cos-to-tc-dp-mappings* [from-cos]
| | |   +--rw from-cos cos-id-type
| | |   +--rw to
| | |     +--rw to-traffic-class? traffic-class-id-type
| | |     +--rw to-drop-precedence? drop-precedence-id-type
| | +--rw traffic-class-cos* [traffic-class-cos-map-name]
| | | +--rw traffic-class-cos-map-name map-name-type
| | | +--rw tc-dp-to-cos-mapping* [from-traffic-class from-drop-precedence]
| | |   +--rw from-traffic-class traffic-class-id-type
| | |   +--rw from-drop-precedence drop-precedence-id-type
| | |   +--rw to
| | |     +--rw to-cos? cos-id-type
| | +--rw traffic-class-dscp* [name]
| | | +--rw name map-name-type
| | | +--rw traffic-class-to-dscp-mappings* [from-traffic-class from-drop-
precedence]
| | |   +--rw from-traffic-class traffic-class-id-type
| | |   +--rw from-drop-precedence drop-precedence-id-type
| | |   +--rw to
| | |     +--rw to-dscp? dscp-id-type
| | +--rw dscp-mutation* [dscp-mutation-map-name]
| | | +--rw dscp-mutation-map-name map-name-type
| | | +--rw dscp-to-dscp-mapping* [dscp-in-values]
| | |   +--rw dscp-in-values dscp-id-range-type
| | |   +--rw to
| | |     +--rw to-value? dscp-id-type
| | +--rw dscp-traffic-class* [dscp-traffic-class-map-name]
| | | +--rw dscp-traffic-class-map-name map-name-type
| | | +--rw dscp-to-tc-dp-mapping* [dscp-in-values]
| | |   +--rw dscp-in-values dscp-id-range-type
| | |   +--rw to
| | |     +--rw to-value? traffic-class-id-type
| | |     +--rw to-drop-precedence? drop-precedence-id-type
| | +--rw dscp-cos* [dscp-cos-map-name]
| | | +--rw dscp-cos-map-name map-name-type
| | | +--rw dscp-to-cos-mapping* [dscp-in-values]
| | |   +--rw dscp-in-values dscp-id-range-type
| | |   +--rw to
| | |     +--rw to-value? cos-id-type
| +--rw red-profile* [profile-id]
| | +--rw profile-id red-profile-id-type
| | +--rw min-threshold int32
| | +--rw max-threshold int32
| | +--rw drop-probability int32
| | +--rw ecn? enumeration
| +--rw tx-queue
| | +--rw tx-queue-limit? uint32

```

```

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

```

brocade-qos-mpls

Top-level container

```

module: brocade-qos-mpls
  +--rw qos-mpls
    +--rw map
      | +--rw exp-traffic-class* [exp-traffic-class-map-name]
      | | +--rw exp-traffic-class-map-name  map-name-type
      | | +--rw exp* [exp-in-values]
      | |   +--rw exp-in-values  uint32
      | |   +--rw to
      | |     +--rw priority?      uint32
      | |     +--rw drop-precedence?  uint32
      | +--rw traffic-class-exp* [traffic-class-exp-map-name]
      | | +--rw traffic-class-exp-map-name  map-name-type
      | | +--rw priority* [priority-in-values drop-precedence]
      | |   +--rw priority-in-values  uint32
      | |   +--rw drop-precedence    uint32
      | |   +--rw to
      | |     +--rw exp?  uint32
      | +--rw dscp-exp* [dscp-exp-map-name]
      | | +--rw dscp-exp-map-name  map-name-type
      | | +--rw dscp* [dscp-in-values]
      | |   +--rw dscp-in-values  uint32
      | |   +--rw to
      | |     +--rw exp?  uint32
      | +--rw exp-dscp* [exp-dscp-map-name]
      | | +--rw exp-dscp-map-name  map-name-type
      | | +--rw exp* [exp-in-values]
      | |   +--rw exp-in-values  uint32
      | |   +--rw to
      | |     +--rw dscp?  uint32
      | +--rw inexp-outexp* [inexp-outexp-map-name]
      |   +--rw inexp-outexp-map-name  map-name-type
      |   +--rw in-exp* [in-exp-in-values]
      |     +--rw in-exp-in-values  int32
      |     +--rw to
      |       +--rw out-exp?  int32
    +--rw apply-qos-mpls:map-apply
      +--rw apply-qos-mpls:apply-exp-traffic-class-map-name
        | +--rw (apply-exp-traffic-class)?
        | | +--:(ca-map-name-cmd1)
        | | | +--rw apply-qos-mpls:map-name-cmd1?  map-name-type
        | | +--:(ca-all-zero-map-cmd1)
        | | | +--rw apply-qos-mpls:all-zero-map-cmd1?  empty
        | | +--:(ca-default-map-cmd1)
        | | | +--rw apply-qos-mpls:default-map-cmd1?  empty
        | +--rw apply-qos-mpls:All-cmd1?  empty
      +--rw apply-qos-mpls:apply-traffic-class-exp-map-name
        | +--rw (apply-traffic-class-exp)?
        | | +--:(ca-map-name-cmd2)
        | | | +--rw apply-qos-mpls:map-name-cmd2?  map-name-type
        | | +--:(ca-all-zero-map-cmd2)
        | | | +--rw apply-qos-mpls:all-zero-map-cmd2?  empty
        | | +--:(ca-default-map-cmd2)
        | | | +--rw apply-qos-mpls:default-map-cmd2?  empty
        | +--rw apply-qos-mpls:All-cmd2?  empty
      +--rw apply-qos-mpls:apply-dscp-exp-map-name
        | +--rw (apply-dscp-exp)?
        | | +--:(ca-map-name-cmd3)
        | | | +--rw apply-qos-mpls:map-name-cmd3?  map-name-type

```

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


brocade-qos-mqc

Top-level container

```

module: brocade-qos-mqc
  +--rw class-map* [name]
  |   +--rw name          class-map-name-type
  |   +--rw match
  |   |   +--rw access-group
  |   |   |   +--rw access-group-name?  mac-ip-acl-name
  |   |   +--rw vlan
  |   |   |   +--rw vlan-range?  interface:ui32-vlan-20k-range
  |   |   +--rw bridge-domain
  |   |   |   +--rw bridge-domain-range?  bd:ui32-bridge-domain-range
  +--rw policy-map* [name]
  |   +--rw name          policy-map-name-type
  |   +--rw class* [cl-name]
  |   |   +--rw cl-name          class-map-name-type
  |   |   +--rw police
  |   |   |   +--rw cir?  uint64
  |   |   |   +--rw cbs?  uint64
  |   |   |   +--rw eir?  uint64
  |   |   |   +--rw ebs?  uint64
  |   |   +--rw set
  |   |   |   +--rw set_cos_tc
  |   |   |   |   +--rw cos?  uint8
  |   |   |   |   |   +--rw traffic-class?  uint8
  |   |   |   +--rw set_dscp
  |   |   |   |   +--rw dscp?  uint16
  |   |   +--rw span
  |   |   |   +--rw session?  session-type
  |   |   +--rw map
  |   |   |   +--rw cos-mutation?  map-name-type
  |   |   |   |   +--rw cos-mutation-builtin
  |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw cos-traffic-class?  map-name-type
  |   |   |   |   |   +--rw cos-traffic-class-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw dscp-cos?  map-name-type
  |   |   |   |   |   +--rw dscp-cos-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw dscp-traffic-class?  map-name-type
  |   |   |   |   |   +--rw dscp-traffic-class-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw dscp-mutation?  map-name-type
  |   |   |   |   |   +--rw dscp-mutation-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   +--rw sflow-profile?  sflow:profile-name-type
  |   +--rw shape
  |   |   +--rw shaping_rate?  shaping-rate-limit
  +--rw scheduler
  |   +--rw strict-priority
  |   |   +--rw priority-number?  uint8
  |   |   +--rw scheduler-type?  enumeration
  |   |   +--rw dwrr-traffic-class0?  uint32
  |   |   +--rw dwrr-traffic-class1?  uint32
  |   |   +--rw dwrr-traffic-class2?  uint32
  |   |   +--rw dwrr-traffic-class3?  uint32
  |   |   +--rw dwrr-traffic-class4?  uint32
  |   |   +--rw dwrr-traffic-class5?  uint32
  |   |   +--rw dwrr-traffic-class6?  uint32
  |   |   +--rw dwrr-traffic-class-last?  uint32

```

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

brocade-qos-operational

Top-level container

```

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

```

brocade-ras

Top-level container

```

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

```

```

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

```

```

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

```

RPCs

```

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

```

brocade-ras-ext

Top-level container

```

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

External augmentations

```

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

RPCs

```

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

brocade-ras-operational

Top-level container

```

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

```



```

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

```

```

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

```

brocade-rbridge-lag

Top-level container

```

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

```

brocade-resource-monitor

Top-level container

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

brocade-rmon

Top-level container

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

brocade-rpf

Top-level container

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

External augmentations

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

brocade-rtm

Top-level Container

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

brocade-sec-services

Top-level container

```

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

```


External augmentations

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

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

brocade-sflow

Top-level container

```

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

```

External augmentations

```

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

```

brocade-snmp

Top-level container

```

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

```

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

```

RPCs

```

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

```

brocade-span

Top-level container

```

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

```

External augmentations

```

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

```

brocade-ssm-operational

Top-level container

```

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

```

brocade-sysdiag-operational

Top-level container

```

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

```

```

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

```



```

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

```

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

brocade-sysmgr

External augmentations

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

brocade-sysmgr-operational

Top-level container

```

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

```

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

brocade-sysmon

Use this module to manage TM and SFM error monitoring.

Top-level container

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

brocade-system

RPCs

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

brocade-system-capabilities

Top-level container

```

module: brocade-system-capabilities
  +--ro capabilities
    +--ro power
      | +--ro lc_sfm?          boolean
      | +--ro psu_on_off?    boolean
    +--ro temperature
      | +--ro tmpr_detail?   boolean
    +--ro qos
      | +--ro mls
      | | +--ro qos-cos-mutation-map?          boolean
      | | +--ro qos-tc-to-cos-map?            boolean
      | | +--ro qos-tc-to-dscp-map?           boolean
      | | +--ro qos-dscp-mutation-map?        boolean
      | | +--ro qos-dscp-to-cos-map?          boolean
      | | +--ro qos-queue-limit-config?       boolean
      | | +--ro qos-queue-scheduler-config?   boolean
      | | +--ro qos-rx-queue-limit-config?    boolean
      | | +--ro qos-show-tx-queue?            boolean
      | | +--ro qos-show-rx-queue?            boolean
      | | +--ro qos-intf-default-cos?         boolean
      | | +--ro qos-intf-default-traffic-class? boolean
      | | +--ro qos-intf-trust-cos?           boolean
      | | +--ro qos-intf-trust-dscp?          boolean
      | | +--ro qos-intf-remark-dscp?         boolean
      | | +--ro qos-intf-drop-monitor?        boolean
      | | +--ro qos-intf-rxqueue-costthreshold? boolean
      | | +--ro qos-intf-po-storm-control?    boolean
      | | +--ro qos-ecn?                      boolean
      | | +--ro flowcontrol
      | | | +--ro qos-flowcontrol?            boolean
      | | | +--ro qos-flowcontrol-tx?         boolean
      | | | +--ro qos-flowcontrol-pfc-config? boolean
      | | | +--ro clear-qos-flowcontrol-statistics? boolean
    +--ro mqc
      | | +--ro span?                          boolean
      | | +--ro vlan-based-actions?             boolean
      | | +--ro bd-based-actions?               boolean
      | | +--ro control-plane-policymap?       boolean
      | | +--ro classmap-sflow-profile?         boolean
    +--ro cpu
      | +--ro qos-cpu-slot?    boolean
    +--ro maps
      | +--ro qos_mpls?    boolean
    +--ro l3
      | +--ro rpf?          boolean
      | +--ro ip_option?    boolean
    +--ro l2
      | +--ro port_profile?      boolean
      | +--ro overlap_vlan?     boolean
      | +--ro rspan?            boolean
      | +--ro mac_move?         boolean
      | +--ro consistency_check? boolean
      | +--ro learning_mode?    boolean
      | +--ro priority_tag?     boolean
      | +--ro internal_nsm?     boolean
    +--ro ipv6
      | +--ro ipv6Raguard?    boolean
    +--ro ssm

```



```

| +---ro aclTrafficType?  boolean
+---ro lag
| +---ro PortchannelRedundancy?  boolean
+---ro license
| +---ro eula_display?  boolean
| +---ro dpod_display?  boolean
| +---ro slot_display?  boolean
+---ro tm?  boolean
+---ro tm-voq-status?  boolean
+---ro overlay
| +---ro gre?  boolean
| +---ro vxlan
|   +---ro hardware-vtep?  boolean
|   +---ro vtep-ip-ve?  boolean
|   +---ro vxlan-tunnel-bfd?  boolean
|   +---ro vxlan-tunnel-mac-learn-protocol-bgp?  boolean
+---ro openflow
| +---ro ofbase?  boolean
| +---ro ingress?  boolean
+---ro vlan
| +---ro vlan-ipv6?  boolean
+---ro router
| +---ro mpls?  boolean
| +---ro isis?  boolean
| +---ro pim?  boolean
+---ro protocol
| +---ro mvrp?  boolean
+---ro bridge-domain
| +---ro router-ve-default-pw-profile?  boolean
| +---ro router-ve-tag-pw-profile?  boolean
| +---ro vc-peer?  boolean
| +---ro p2p?  boolean
| +---ro disallow-oar-ac?  boolean
+---ro telemetry
| +---ro queue-profile?  boolean
+---ro lldp
| +---ro bgp-auto-nbr-tlv?  boolean
+---ro prefix-list
| +---ro description?  boolean
+---ro mld
| +---ro mld-vlan-bd?  boolean
+---ro bgp
| +---ro gr-timers?  boolean
| +---ro ipv4-flowspec?  boolean
| +---ro ipv6-flowspec?  boolean
+---ro bfd
| +---ro bfd-max-session?  boolean
+---ro interface-ip
| +---ro icmp-redirect?  boolean
| +---ro route-only?  boolean
+---ro ethernet
| +---ro redundant-management?  boolean
+---ro load-balance
| +---ro hashing?  boolean
+---ro threshold-monitor
  +---ro l3-hw-resources?  boolean

```

brocade-system-maintenance

Top-level container

```

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

```

RPCs

```

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

```

brocade-system-monitor

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

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

Top-level container

```

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

```

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

```

brocade-system-monitor-ext

RPCs

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

brocade-system-watermark

Top-level container

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

brocade-telemetry

Top-level container

```

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

```

```

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

```


brocade-terminal

Top-level container

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

brocade-threshold-monitor

The following components are monitored:

- CPU usage, memory usage, buffer usage
- 1-, 10-, and 40-Gigabit Ethernet interfaces
- Security parameters, including Telnet violations and login violations
- BFD Sessions, VxLAN Tunnels, LIF, SFP, MAC Table, Routes, Hosts, Next Hop, ECMP

Top-level container

```

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

```

```
| +--rw low-limit?    uint32
| +--rw actions?     enumeration
+--rw route
| +--rw high-limit?  uint32
| +--rw low-limit?   uint32
| +--rw actions?     enumeration
+--rw host
| +--rw high-limit?  uint32
| +--rw low-limit?   uint32
| +--rw actions?     enumeration
+--rw nexthop
| +--rw high-limit?  uint32
| +--rw low-limit?   uint32
| +--rw actions?     enumeration
+--rw ecmp
| +--rw high-limit?  uint32
| +--rw low-limit?   uint32
| +--rw actions?     enumeration
+--rw hardware-resources
  +--rw count?       uint32
  +--rw interval?    uint32
```

brocade-tm-stats

RPCs

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

brocade-topology-group

Top-level container

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

brocade-tpvm

Top-level container

```

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

```

| +---w input
| | +---w blade? bladeType
| | +---w debug? boolean
| +--ro output
|   +--ro tpvm-update-password-msg? string
+---x start
| +---w input
| | +---w tpvmid? string
| | +---w blade? bladeType
| | +---w debug? boolean
| +--ro output
|   +--ro tpvm-start-msg? string
+---x stop
| +---w input
| | +---w tpvmid? string
| | +---w blade? bladeType
| | +---w debug? boolean
| +--ro output
|   +--ro tpvm-stop-msg? string
+--rw auto-boot
| +---x enable
| | +---w input
| | | +---w blade? bladeType
| | | +---w debug? boolean
| | +--ro output
| |   +--ro tpvm-enable-on-boot-msg? string
| +---x disable
| | +---w input
| | | +---w blade? bladeType
| | | +---w debug? boolean
| | +--ro output
| |   +--ro tpvm-disable-on-boot-msg? string
+--rw service-port
| +---x enable
| | +---w input
| | | +---w blade? bladeType
| | | +---w debug? boolean
| | +--ro output
| |   +--ro tpvm-sp-enable-msg? string
+--rw disk
| +---x add
| | +---w input
| | | +---w name union
| | | +---w size diskSize
| | | +---w blade? bladeType
| | | +---w debug? boolean
| | +--ro output
| |   +--ro tpvm-add-disk-msg? string
| +---x remove
| | +---w input
| | | +---w name union
| | | +---w blade? bladeType
| | | +---w debug? boolean
| | +--ro output
| |   +--ro tpvm-remove-disk-msg? string
+--rw deploy
| +---x mgmt
| | +---w input
| | | +---w (options)
| | | | +---: (dhcp)
| | | | | +---w dhcp empty
| | | | +---: (ipaddr)
| | | | +---w ipaddr union
| | | | +---w gw? tpvm-ipv4-address

```

```

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

```



```

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

```

RPCs

```

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

```

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

brocade-tunnels

Top-level container

```

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

```

```
| | | +--rw protocol? mac-learning-PROTO-type
| | +--rw bfd-enable? empty
| | +--rw bfd
| | | +--rw params
| | | | +--rw interval
| | | | | +--rw min-tx? bfd-tx-interval-type
| | | | | +--rw min-rx? bfd-rx-interval-type
| | | | | +--rw multiplier? bfd-multiplier-type
| | | | +--rw bfd-shutdown? empty
| | +--rw shutdown? empty
| +--rw activate? empty
+--rw ovsdb-server* [name]
| +--rw name ovsdb-server-name-type
| +--rw port? ovsdb-server-port-type
| +--rw activate? empty
+--rw tunnel-settings
  +--rw system
    +--rw tunnel
      +--rw suppress-debounce? empty
      +--rw replicator
        +--rw load-balance? empty
```

brocade-tunnels-ext

RPCs

```

rpcs:
  +---x get-tunnel-info
  | +---w input
  | | +---w page-cursor?  string
  | | +---w node-id*      uint32
  | | +---w (filter-type)?
  | |   +---:(filter-by-id)
  | |     | +---w id?      tnl:tunnel-id-type
  | |     +---:(filter-by-mode)
  | |     | +---w mode?    tnl:tunnel-mode-type
  | |     +---:(filter-by-gateway)
  | |     | +---w gw-name? tnl:overlay-gw-name-type
  | |     +---:(filter-by-sip)
  | |     | +---w src-ip?  inet:ipv4-address
  | |     +---:(filter-by-dip)
  | |     | +---w dest-ip? inet:ipv4-address
  | |     +---:(filter-by-cfg-src)
  | |     | +---w config-src? config-src-type
  | |     +---:(filter-by-site)
  | |     | +---w site-name? tnl:site-id-type
  | |     +---:(filter-by-adm-state)
  | |     | +---w admin-state? proto-state-type
  | |     +---:(filter-by-opr-state)
  | |     | +---w oper-state? proto-state-type
  | |     +---:(filter-by-bfd-state)
  | |     | +---w bfd-state? proto-state-type
  | +--ro output
  | | +--ro tunnel*
  | |   | +--ro id?      tnl:tunnel-id-type
  | |   | +--ro mode?    tnl:tunnel-mode-type
  | |   | +--ro src-ip?  inet:ip-address
  | |   | +--ro dest-ip? inet:ip-address
  | |   | +--ro vrf?     comn:vrf-name
  | |   | +--ro config-src? config-src-type
  | |   | +--ro admin-state? proto-state-type
  | |   | +--ro oper-state? proto-state-type
  | |   | +--ro bfd-state? proto-state-type
  | |   | +--ro tunnel-type? tunnel-type
  | |   | +--ro nodes
  | |   | | +--ro node-id*  uint32
  | |   | | +--ro has-conflicts? empty
  | |   +--ro next-page-cursor? string
  +---x get-tunnel-statistics
  | +---w input
  | | +---w page-cursor?  string
  | | +---w node-id*      uint32
  | | +---w (filter-type)?
  | |   +---:(filter-by-id)
  | |     | +---w id?      tnl:tunnel-id-type
  | |     +---:(filter-by-mode)
  | |     | +---w mode?    tnl:tunnel-mode-type
  | |     +---:(filter-by-gateway)
  | |     | +---w gw-name? tnl:overlay-gw-name-type
  | +--ro output
  | | +--ro tunnel-stat*
  | |   | +--ro id?      tnl:tunnel-id-type
  | |   | +--ro tx-frames? uint64
  | |   | +--ro tx-bytes? uint64

```

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

brocade-uda-access-list

Top-level container

```

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

```

brocade-udld

External augmentations

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

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


brocade-vcs

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

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

Top-level container

```

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

```

RPCs

```

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

```

```

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

```

brocade-vlan

Top-level container

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

brocade-vrf

Top-level container

```

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

```

```

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

```

```

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

```

```

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

```

brocade-vrrp

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

Top-level Container

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

External augmentations

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


brocade-vrrpv3

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

Top-level container

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

External augmentations

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

brocade-vxlan-visibility

Top-level container

```

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

```

```

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

```

brocade-xstp-ext

RPCs

```

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

```



```

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

```



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

extreme-bmc

Top-level container

```
module: extreme-bmc
  +--rw bmc
    +---x user
    | +---w input
    | | +---w id-value
    | | +---w id          uint32
    | | +---w password   string
    +--rw lan
    | +---x ipaddr
    | | +---w input
    | | | +---w ipaddress  inet:ipv4-address
    | | +---x netmask
    | | | +---w input
    | | | +---w ipaddress  inet:ipv4-address
    | | +---x gateway
    | | | +---w input
    | | | | +---w ipaddress  inet:ipv4-address
    | | +--rw ipsrc
    | | | +---x dhcp
    | | | +---x static
    +--rw factory
    | +---x reset
```

extreme-config-mgmt

Top-level container

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

RPCS

```
rpcs:
  +---x set-bulk-edit-config-error-option
  | +---w input
  | | +---w error-option  editConfigErrorOption
  | +--ro output
  |   +--ro result?  actionResult
  +---x get-bulk-edit-config-error-option
  +--ro output
    +--ro error-option?  editConfigErrorOption
```

extreme-gNMI

Top-level container

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

extreme-remote-attestation

Top-level container

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

extreme-ssl

Top-level container

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

extreme-tpvm-config

Top-level container

```

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

```

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