Extreme SLX-OS
YANG Reference Guide, 20.7.3

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

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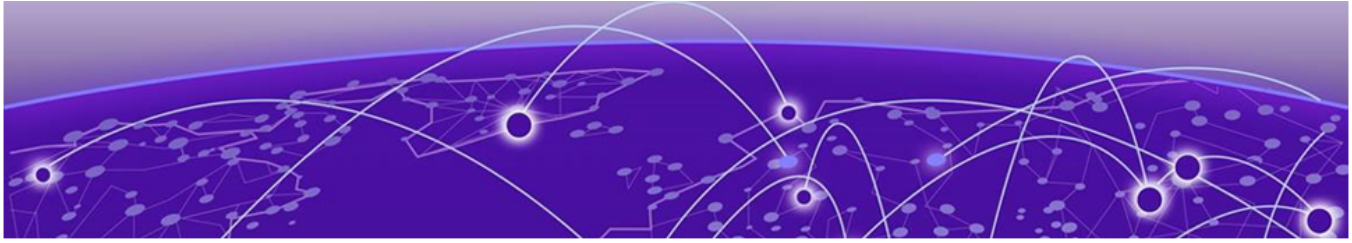

Table of Contents

Preface **10**
- Text Conventions 10
- Documentation and Training 11
  - Open Source Declarations 12
  - Training 12
- Help and Support 12
  - Subscribe to Product Announcements 13
- Send Feedback 13

About This Document **14**
- What's New in this Document 14
- Supported Hardware 14

Using YANG **16**
- YANG overview 16
- Using the SLX-OS YANG Reference Guide 16

YANG Modules **18**
- brocade-aaa 22
  - Top-level container 22
- brocade-aaa-ext 26
  - RPCs 26
- brocade-acl-policy 27
  - Top-level container 27
- brocade-arp 28
  - Top-level container 28
  - RPCs 28
- brocade-app-telemetry 29
  - Top-level container 29
- brocade-beacon 30
  - Top-level container 30
- brocade-bridge-domain 31
  - Top-level container 31
- brocade-certutil 33
  - Top-level container 33
  - External augmentations 33
- brocade-chassis 34
  - Top-level container 34
  - Actions 34
- brocade-clock 36
  - Top-level container 36
  - RPCs 36
- brocade-common-def 37

Top-level container 37
brocade-control-plane 109
Top-level container 109
brocade-crypto 110
Top-level container 110
brocade-crypto-ext 111
Top-level container 111
brocade-dai 114
Top-level container 114
brocade-diagnostics 115
Top-level container 115
brocade-dot1ag 116
Top-level container 116
brocade-dot1x 118
Top-level container 118
External augmentations 118
brocade-entity 119
RPCs 119
brocade-event-handler 120
Top-level container 120
brocade-erp 121
Top-level container 121
brocade-firmware 122
Top-level container 122
brocade-firmware-ext 131
RPCs 131
brocade-ha 132
Top-level container 132
RPCs 132
brocade-hardware 133
Top-level container 133
brocade-http-config 135
Top-level container 135
External augmentations 135
brocade-http-redirect 136
RPCs 136
brocade-igmp-snooping 137
Top-level container 137
External augmentations 137
brocade-interface 138
Top-level container 138
brocade-interface-ext 166
RPCs 166
brocade-intf-loopback 171
Top-level container 171
brocade-ip-access-list 172
Top-level container 172
brocade-ip-administration 174
External augmentations 174

brocade-ip-config....175
External augmentations....175
brocade-ip-policy....176
Top-level container....176
brocade-ipv6-access-list....177
Top-level container....177
brocade-isis....179
External augmentations....179
brocade-isis-operational....180
Top-level container....180
brocade-keychain....190
Top-level container....190
brocade-l2sys-operational....191
Top-level container....191
brocade-lacp....192
Top-level container....192
External augmentations....192
brocade-lag....193
Top-level container....193
RPCs....193
brocade-lfs....195
Top-level container....195
External augmentations....195
brocade-license....196
Top-level container....196
brocade-linecard-management....197
Top-level container....197
brocade-lldp....198
External augmentations....198
brocade-lldp-ext....200
RPCs....200
brocade-mac-access-list....201
Top-level container....201
RPCs....202
brocade-mac-address-table....203
Top-level container....203
RPCs....203
brocade-mc-hms-operational....204
Top-level container....204
brocade-mct....208
Top-level container....208
brocade-mld-snooping....209
Top-level container....209
brocade-mpls....210
Top-level container....210
brocade-mpls-operational....217
Top-level container....217
brocade-nameserver....239
RPCs....239

brocade-netconf-ext....240
RPCs....240
brocade-nsm-operational....241
Top-level container....241
brocade-ntp....244
Top-level container....244
RPCs....244
brocade-onie-grub....245
Top-level container....245
Actions....245
brocade-ospf....246
External augmentations....246
brocade-ospfv3....247
External augmentations....247
brocade-pim....248
External augmentations....248
brocade-pim-operational....249
Top-level container....249
brocade-port-profile....253
Top-level container....253
brocade-preprovision....255
Top-level container....255
RPC....255
brocade-pw-profile....256
Top-level container....256
brocade-pwm-operational....257
Top-level container....257
brocade-qos-cee....259
Top-level container....259
brocade-qos-cpu....260
External augmentations....260
brocade-qos-mls....261
External augmentations....261
brocade-qos-mpls....263
Top-level container....263
brocade-qos-mqc....265
Top-level container....265
brocade-qos-operational....267
Top-level container....267
brocade-ras....268
Top-level container....268
RPCs....270
brocade-ras-ext....271
Top-level container....271
External augmentations....271
RPCs....271
brocade-ras-operational....272
Top-level container....272
brocade-rbridge-lag....275

Top-level container 275
brocade-resource-monitor 276
Top-level container 276
brocade-rmon 277
Top-level container 277
brocade-rpf 278
Top-level container 278
External augmentations 278
brocade-rtm 279
Top-level Container 279
brocade-sec-services 280
Top-level container 280
External augmentations 281
brocade-sflow 282
Top-level container 282
External augmentations 282
brocade-snmp 283
Top-level container 283
RPCs 284
brocade-span 285
Top-level container 285
External augmentations 285
brocade-ssm-operational 286
Top-level container 286
brocade-sysdiag-operational 287
Top-level container 287
brocade-sysmgr 291
External augmentations 291
brocade-sysmgr-operational 292
Top-level container 292
brocade-sysmon 294
Top-level container 294
brocade-system 295
RPCs 295
brocade-system-capabilities 296
Top-level container 296
brocade-system-maintenance 298
Top-level container 298
RPCs 298
brocade-system-monitor 299
Top-level container 299
brocade-system-monitor-ext 301
RPCs 301
brocade-system-watermark 302
Top-level container 302
brocade-telemetry 303
Top-level container 303
brocade-terminal 305
Top-level container 305

brocade-threshold-monitor....306
Top-level container....306
brocade-tm-stats....308
RPCs....308
brocade-topology-group....309
Top-level container....309
brocade-tpvm....310
Top-level container....310
RPCs....313
brocade-tunnels....315
Top-level container....315
brocade-tunnels-ext....317
RPCs....317
brocade-uda-access-list....319
Top-level container....319
brocade-udld....320
External augmentations....320
brocade-vcs....321
Top-level container....321
RPCs....321
brocade-vlan....323
Top-level container....323
brocade-vrf....324
Top-level container....324
brocade-vrrp....328
Top-level Container....328
External augmentations....328
brocade-vrrpv3....329
Top-level container....329
External augmentations....329
brocade-vswitch....330
Top-level container....330
RPC....330
brocade-vxlan-visibility....332
Top-level container....332
brocade-xstp-ext....334
RPCs....334
extreme-bmc....340
Top-level container....340
extreme-bmc....341
Top-level container....341
extreme-config-mgmt....342
Top-level container....342
RPCS....342
extreme-gNMI....343
Top-level container....343
extreme-remote-attestation....344
Top-level container....344
extreme-ssl....345

Top-level container....345
extreme-tpvm-config....346
Top-level container....346
ietf-netconf-monitoring....348
Top-level container....348
RPC....348

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, the product is referred to as *the switch*.

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 *enter* and *type*	When you see the word *enter* 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 *type*.
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**
Words in italicized type	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.
italic text	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, *member*`[`*member*`...]`.
\	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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Current Product Documentation
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Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- 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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1. Go to The Hub.
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- Improvements that would help you find relevant information.
- Broken links or usability issues.

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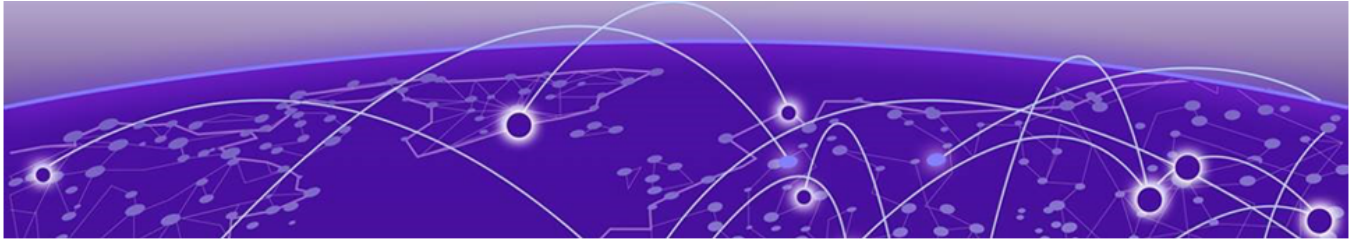


About This Document

What's New in this Document on page 14
Supported Hardware on page 14

What's New in this Document

This document is released with the SLX-OS 20.7.3 software release.

The following YANGs are modified for this release.

- brocade-interface-ext
- brocade-ip-access-list
- brocade-ipv6-access-list
- brocade-mac-access-list
- brocade-rtm
- brocade-system-capabilities
- brocade-vrf

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

Supported Hardware

SLX-OS 20.7.3 supports the following hardware platforms.

- Extreme 8820
- Extreme 8720
- Extreme 8520
- ExtremeSwitching SLX 9540
- ExtremeSwitching SLX 9250
- ExtremeSwitching SLX 9150

- ExtremeRouting SLX 9740
- ExtremeRouting SLX 9640

Note

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

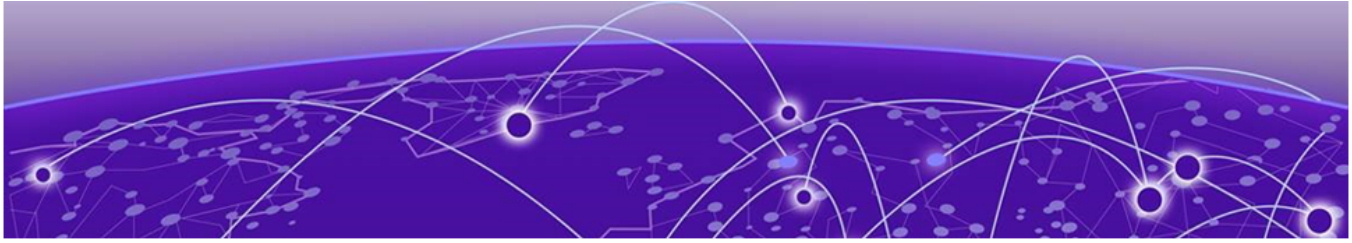
All configurations and software features that are applicable to SLX 9740 devices are also applicable for the Extreme 8820 devices.

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

Note

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

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



Using YANG

YANG overview on page 16
Using the SLX-OS YANG Reference Guide on page 16

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.

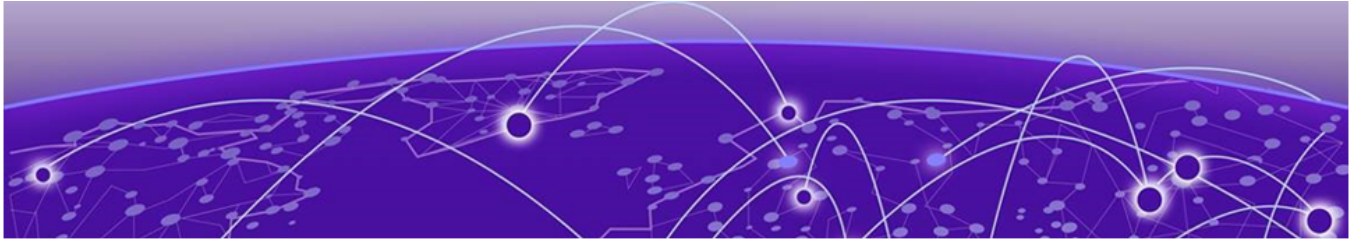
The **pyang** command with the -f tree option is used to illustrate the YANG code. This utility resolves the uses and augments statements to provide an easy-to-read view of the structure of the YANG code. The following example shows part of the module.

```
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.



YANG Modules

brocade-aaa on page 22
brocade-aaa-ext on page 26
brocade-acl-policy on page 27
brocade-arp on page 28
brocade-app-telemetry on page 29
brocade-beacon on page 30
brocade-bridge-domain on page 31
brocade-certutil on page 33
brocade-chassis on page 34
brocade-clock on page 36
brocade-common-def on page 37
brocade-control-plane on page 109
brocade-crypto on page 110
brocade-crypto-ext on page 111
brocade-dai on page 114
brocade-diagnostics on page 115
brocade-dot1ag on page 116
brocade-dot1x on page 118
brocade-entity on page 119
brocade-event-handler on page 120
brocade-erp on page 121
brocade-firmware on page 122
brocade-firmware-ext on page 131
brocade-ha on page 132
brocade-hardware on page 133
brocade-http-config on page 135
brocade-http-redirect on page 136
brocade-igmp-snooping on page 137
brocade-interface on page 138
brocade-interface-ext on page 166
brocade-intf-loopback on page 171
brocade-ip-access-list on page 172
brocade-ip-administration on page 174
brocade-ip-config on page 175

brocade-ip-policy on page 176
brocade-ipv6-access-list on page 177
brocade-isis on page 179
brocade-isis-operational on page 180
brocade-keychain on page 190
brocade-l2sys-operational on page 191
brocade-lacp on page 192
brocade-lag on page 193
brocade-lfs on page 195
brocade-license on page 196
brocade-linecard-management on page 197
brocade-lldp on page 198
brocade-lldp-ext on page 200
brocade-mac-access-list on page 201
brocade-mac-address-table on page 203
brocade-mc-hms-operational on page 204
brocade-mct on page 208
brocade-mld-snooping on page 209
brocade-mpls on page 210
brocade-mpls-operational on page 217
brocade-nameserver on page 239
brocade-netconf-ext on page 240
brocade-nsm-operational on page 241
brocade-ntp on page 244
brocade-onie-grub on page 245
brocade-ospf on page 246
brocade-ospfv3 on page 247
brocade-pim on page 248
brocade-pim-operational on page 249
brocade-port-profile on page 253
brocade-preprovision on page 255
brocade-pw-profile on page 256
brocade-pwm-operational on page 257
brocade-qos-cee on page 259
brocade-qos-cpu on page 260
brocade-qos-mls on page 261
brocade-qos-mpls on page 263
brocade-qos-mqc on page 265
brocade-qos-operational on page 267
brocade-ras on page 268
brocade-ras-ext on page 271
brocade-ras-operational on page 272

brocade-rbridge-lag on page 275
brocade-resource-monitor on page 276
brocade-rmon on page 277
brocade-rpf on page 278
brocade-rtm on page 279
brocade-sec-services on page 280
brocade-sflow on page 282
brocade-snmp on page 283
brocade-span on page 285
brocade-ssm-operational on page 286
brocade-sysdiag-operational on page 287
brocade-sysmgr on page 291
brocade-sysmgr-operational on page 292
brocade-sysmon on page 294
brocade-system on page 295
brocade-system-capabilities on page 296
brocade-system-maintenance on page 298
brocade-system-monitor on page 299
brocade-system-monitor-ext on page 301
brocade-system-watermark on page 302
brocade-telemetry on page 303
brocade-terminal on page 305
brocade-threshold-monitor on page 306
brocade-tm-stats on page 308
brocade-topology-group on page 309
brocade-tpvm on page 310
brocade-tunnels on page 315
brocade-tunnels-ext on page 317
brocade-uda-access-list on page 319
brocade-udld on page 320
brocade-vcs on page 321
brocade-vlan on page 323
brocade-vrf on page 324
brocade-vrrp on page 328
brocade-vrrpv3 on page 329
brocade-vswitch on page 330
brocade-vxlan-visibility on page 332
brocade-xstp-ext on page 334
extreme-bmc on page 340
extreme-bmc on page 341
extreme-config-mgmt on page 342
extreme-gNMI on page 343

extreme-remote-attestation on page 344
extreme-ssl on page 345
extreme-tpvm-config on page 346
ietf-netconf-monitoring on page 348

brocade-aaa

Top-level container

```
module: brocade-aaa
   +--rw aaa-config
   |  +--rw aaa
   |     +--rw authentication
   |     |  +--rw login
   |     |     +--rw first?    enumeration
   |     |     +--rw second?   enumeration
   |     |     +--rw third?    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

```
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 vlan-bd-id?       string
             +--ro vlan-bd-id?       string
             +--ro age?              string
             +--ro entry-type?       enumeration
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
```

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
```

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 (hardware:opt)?
|  |  |        +--:(hardware:all)
|  |  |        |  +---w hardware:all       empty
|  |  |        +--:(hardware:sfp)
|  |  |        |  +---w hardware:sfp       empty
|  |  |        +--:(hardware:qsfp)
|  |  |        |  +---w hardware:qsfp      empty
|  |  |        +--:(hardware:qsfp28)
|  |  |           +---w hardware:qsfp28    empty
|  |  +---x hardware:profile
|  |     +---w hardware:input
|  |        +---w (hardware:profile-type)?
|  |           +--:(hardware:tcam)
|  |           |  +---w hardware:tcam?                tcam-profile-subtype
|  |           +--:(hardware:cam-share)
|  |           |  +---w hardware:cam-share-show?      empty
|  |           +--:(hardware: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
|  |           +--:(hardware:qos)
|  |           |  +---w hardware:qos?                 qos-profile-subtype
|  |           +--:(hardware:lag)
|  |           |  +---w hardware:lag?                 lag-profile-subtype
|  |           +--:(hardware:counters)
|  |           |  +---w hardware:counters?            counters-profile-subtype
|  |           +--:(hardware:etcam)
|  |           |  +---w hardware:etcam?               etcam-profile-subtype
|  |           +--:(hardware: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 (brocade-license:single-or-all)?
|  |  |  |     +--:(brocade-license: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 (ras-extensions:opt)?
|  |           +--:(ras-extensions:chassis)
|  |           |  +---w ras-extensions:chassis?       empty
|  |           +--:(ras-extensions:fan)
|  |           |  +---w ras-extensions:fan?           empty
|  |           +--:(ras-extensions:module)
|  |           |  +---w ras-extensions:module?        empty
|  |           +--:(ras-extensions:powerSupply)
|  |              +---w ras-extensions:powerSupply?   empty
|  +--rw ras-extensions:infra
|  |  +---x ras-extensions:chassis
|  |  |  +--ro ras-extensions:output
|  |  |     +--ro ras-extensions:chassis-info* []
|  |  |        +--ro ras-extensions:switch-type              uint32
```

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

```
   |  |  +--rw brcd-sec-services:server
   |  |     +---x brcd-sec-services:status
   |  +--rw brcd-sec-services:ssh
   |  |  +--rw brcd-sec-services:server
   |  |  |  +---x brcd-sec-services:status
   |  |  +--rw brcd-sec-services:client
   |  |     +---x brcd-sec-services:status
   |  +--rw brcd-sec-services:selinux
   |  |  +---x brcd-sec-services:status
   |  |     +--ro brcd-sec-services:output
   |  |        +--ro brcd-sec-services:sestatus-output?   string
   |  +--rw snmp-server:snmp-server
   |  |  +---x snmp-server:status
   |  |     +--ro snmp-server:output
   |  |        +--ro snmp-server:server* [vrf]
   |  |           +--ro snmp-server:vrf       string
   |  |           +--ro snmp-server:status?   server-status
   |  +--rw sysmgr:bpswitch
   |  |  +--rw sysmgr:show-stats
   |  |     +---x sysmgr:stats
   |  |        +---w sysmgr:input
   |  |           +---w (sysmgr:show-bpswitch-type)?
   |  |              +--:(sysmgr:stats1)
   |  |              |  +---w sysmgr:port?     uint32
   |  |              +--:(sysmgr: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:nexthop
   |  |     |  +--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
|  |  |  +--rw tpvm:password-policy
|  |  |     +---x tpvm:min-length
|  |  |     |  +---w tpvm:input
|  |  |     |  |  +---w tpvm:tpvmid?   string
|  |  |     |  +--ro tpvm:output
|  |  |     |     +--ro tpvm:tpvm-password-policy-config-val?   uint32
|  |  |     +--rw tpvm:character-restriction
|  |  |        +---x tpvm:lower
|  |  |        |  +---w tpvm:input
|  |  |        |  |  +---w tpvm:tpvmid?   string
|  |  |        |  +--ro tpvm:output
|  |  |        |     +--ro tpvm:tpvm-password-policy-config-val?   uint32
|  |  |        +---x tpvm:upper
|  |  |        |  +---w tpvm:input
|  |  |        |  |  +---w tpvm:tpvmid?   string
|  |  |        |  +--ro tpvm:output
|  |  |        |     +--ro tpvm:tpvm-password-policy-config-val?   uint32
|  |  |        +---x tpvm:numeric
|  |  |        |  +---w tpvm:input
|  |  |        |  |  +---w tpvm:tpvmid?   string
|  |  |        |  +--ro tpvm:output
|  |  |        |     +--ro tpvm:tpvm-password-policy-config-val?   uint32
|  |  |        +---x tpvm:special-char
|  |  |           +---w tpvm:input
|  |  |           |  +---w tpvm:tpvmid?   string
|  |  |           +--ro tpvm:output
|  |  |              +--ro tpvm:tpvm-password-policy-config-val?   uint32
|  |  +---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-exec:bmc
|  |  +---x bmc-exec:status
|  |  +---x bmc-exec:password-status
|  |  |  +---w bmc-exec:input
```

```
|  |  |  |  +---w bmc-exec:user-id    uint32
|  |  |  +--ro bmc-exec:output
|  |  |     +--ro bmc-exec:pwd-status?   string
|  |  +---x bmc-exec:config-history
|  |  |  +--ro bmc-exec:output
|  |  |     +--ro bmc-exec:bmc-config-history-msg?   string
|  |  +---x bmc-exec:interface
|  |     +---w bmc-exec:input
|  |     |  +---w bmc-exec:mgmtintf
|  |     |     +---w bmc-exec:management      uint32
|  |     |     +---w (bmc-exec:bmcintstatus)?
|  |     |        +--:(bmc-exec:ipv4)
|  |     |        |  +---w bmc-exec:ip        empty
|  |     |        +--:(bmc-exec:bmcstatus)
|  |     |           +---w bmc-exec:status    empty
|  |     +--ro bmc-exec:output
|  |        +--ro bmc-exec:ipsrc?     string
|  |        +--ro bmc-exec:ipaddr?    string
|  |        +--ro bmc-exec:netmask?   string
|  |        +--ro bmc-exec:gateway?   string
|  |        +--ro bmc-exec:macaddr?   string
|  |        +--ro bmc-exec:status?    string
|  |        +--ro bmc-exec:error?     string
|  +--rw cfg-mgmt:config-drift-track
|  |  +---x cfg-mgmt:values
|  |  |  +--ro cfg-mgmt:output
|  |  |     +--ro cfg-mgmt:drift-ts?        uint64
|  |  |     +--ro cfg-mgmt:drift-counter?   uint64
|  |  +---x cfg-mgmt:status
|  |     +--ro cfg-mgmt:output
|  |        +--ro cfg-mgmt:status?   driftTrackStatus
|  +--rw remote_att:remote-attestation
|  |  +---x remote_att:status
|  |  |  +--ro remote_att:output
|  |  |     +--ro remote_att:show-remote-att-status* []
|  |  |        +--ro remote_att:status?           string
|  |  |        +--ro remote_att:registrar-ip?     string
|  |  |        +--ro remote_att:registrar-port?   string
|  |  |        +--ro remote_att:agent-port?       string
|  |  |        +--ro remote_att:uuid?             string
|  |  |        +--ro remote_att:ima-status?       string
|  |  +---x remote_att:boot-aggregate
|  |     +--ro remote_att:output
|  |        +--ro remote_att:boot-aggregate?   string
|  +--rw tpm:tpm
|     +---x tpm:ekcert
|     +---x tpm:iakcert
|     +---x tpm:idevidcert
+--rw clear
|  +--rw brcd-aaa:login
|  |  +---x brcd-aaa:sessions
|  +--rw ras-extensions:support
|  |  +---x ras-extensions:support
|  +--rw ras-extensions:logging
|  |  +---x ras-extensions:raslog
|  |  |  +---w ras-extensions:input
|  |  |     +---w ras-extensions:message-type?   enumeration
|  |  +---x ras-extensions:auditlog
|  +--rw sysmgr:bpswitch
|     +---x sysmgr:clear-stats
+--rw no
|  +--rw certutil:certutil
|  |  +---x certutil:sshkey
|  |  |  +---w certutil:input
```

```
|  |  |     +---w certutil:user    string
|  |  +---x certutil:aaa-cacpiv
|  |  |  +---w certutil:input
|  |  |     +---w certutil:user    string
|  |  +---x certutil:sshx509v3
|  |     +---w certutil:input
|  |        +---w certutil:user    string
|  +--rw clock-server:clock
|  |  +---x clock-server:timezone
|  +--rw brcd-crypto-ext:nocrypto
|  |  +--rw brcd-crypto-ext:ca
|  |  |  +---x brcd-crypto-ext:authenticate
|  |  |  |  +---w brcd-crypto-ext:input
|  |  |  |     +---w brcd-crypto-ext:authenticate_params
|  |  |  |        +---w brcd-crypto-ext:trustpoint    string
|  |  |  |        +---w brcd-crypto-ext:cert-type     cert-type-enum
|  |  |  +---x brcd-crypto-ext:import
|  |  |  |  +---w brcd-crypto-ext:input
|  |  |  |     +---w brcd-crypto-ext:authenticate_params
|  |  |  |        +---w brcd-crypto-ext:trustpoint     string
|  |  |  |        +---w brcd-crypto-ext:certificate    empty
|  |  |  |        +---w brcd-crypto-ext:cert-type      cert-type-enum
|  |  |  +---x brcd-crypto-ext:import-pkcs
|  |  |     +---w brcd-crypto-ext:input
|  |  |        +---w brcd-crypto-ext:authenticate_params
|  |  |           +---w brcd-crypto-ext:type         enumeration
|  |  |           +---w brcd-crypto-ext:cert-type    cert-type-enum-pkcs
|  |  +--rw brcd-crypto-ext:import
|  |     +---x brcd-crypto-ext:ldapca
|  |     +---x brcd-crypto-ext:syslogca
|  |     +---x brcd-crypto-ext:radiusca
|  |     +---x brcd-crypto-ext:sshx509v3ca
|  |     +---x brcd-crypto-ext:gnmiclientca
|  |     +---x brcd-crypto-ext:oauth2pkicert
|  |     +---x brcd-crypto-ext:httpsclientca
|  +--rw tpvm:tpvm
|     +--rw tpvm:service-port
|        +---x tpvm:enable
|           +---w tpvm:input
|           |  +---w tpvm:blade?   bladeType
|           +--ro tpvm:output
|              +--ro tpvm:sp-disable-msg?   string
+--rw ip
|  +--rw ip-administration:dns
|  |  +--rw ip-administration:dom-name
|  |  |  +--rw ip-administration:domain-name?   string
|  |  +--rw ip-administration:name-server* [name-server-ip use-vrf]
|  |     +--rw ip-administration:name-server-ip      inet:ip-address
|  |     +--rw ip-administration:use-vrf             common-def:use-vrf
|  |     +--rw ip-administration:source-interface
|  |        +--rw ip-administration:source-intf-type?   source-interface-type
|  |        +--rw ip-administration:ethernet
|  |        |  +--rw ip-administration:source-intf-name?   ethernet-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 (bgp:ch-cluster-id)?
   |  |  |  |     +--:(bgp:ca-cluster-id)
   |  |  |  |     |  +--rw bgp:cluster-id-value?          decimal-number
   |  |  |  |     +--:(bgp: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 (bgp:peer-dampening-source)?
   |  |  |  |     +--:(bgp:ca-peer-dampening-flag)
   |  |  |  |     |  +--rw bgp:peer-dampening-flag?   empty
   |  |  |  |     +--:(bgp: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 (bgp:ch-update-source)?
|  |  |  |  |     |     +--:(bgp:ca-ipv4)
|  |  |  |  |     |     |  +--rw bgp:sip-ipv4-address?     sip-ipv4-address
|  |  |  |  |     |     |  +--rw bgp:sip-ipv6-address?     sip-ipv6-address
|  |  |  |  |     |     +--:(bgp:ca-eth)
|  |  |  |  |     |     |  +--rw bgp:ethernet-interface
|  |  |  |  |     |     |     +--rw bgp:interface-type?   enumeration
|  |  |  |  |     |     |     +--rw bgp:interface-name?   update-source-ethernet-type
|  |  |  |  |     |     +--:(bgp:ca-port-channel)
|  |  |  |  |     |     |  +--rw bgp:port-channel?         interface:portchannel-type
|  |  |  |  |     |     +--:(bgp:ca-loopback)
|  |  |  |  |     |     |  +--rw bgp:loopback?             loopback-interface
|  |  |  |  |     |     +--:(bgp: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 (bgp:ch-next-hop-self-type)?
|  |  |  |  |     |     +--:(bgp:ca-next-hop-self-always)
|  |  |  |  |     |     |  +--rw bgp:next-hop-self-always?   empty
|  |  |  |  |     |     +--:(bgp: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 (bgp:ch-ebgp-multihop-type)?
|  |  |  |  |     |     +--:(bgp:ca-ebgp-multihop-flag)
|  |  |  |  |     |     |  +--rw bgp:ebgp-multihop-flag?    empty
|  |  |  |  |     |     +--:(bgp: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 (bgp:nei-peer-dampening-source)?
|  |  |  |  |     |     +--:(bgp:nei-ca-peer-dampening-flag)
```

```
      |  |  |  |  |     |     |  +--rw bgp:nei-peer-dampening-flag?   empty
      |  |  |  |  |     |     +--:(bgp:nei-ca-peer-dampening-specify-values)
      |  |  |  |  |     |        +--rw bgp:values
      |  |  |  |  |     |           +--rw bgp:nei-delay-hold?           nei-delay-hold
      |  |  |  |  |     |           +--rw bgp:nei-penalty?              nei-penalty
      |  |  |  |  |     |           +--rw bgp:nei-max-penalty?          nei-max-penalty
      |  |  |  |  |     |           +--rw bgp:nei-stability-interval?   nei-stability-
interval
      |  |  |  |  |     +--rw bgp:remove-private-as?              empty
      |  |  |  |  |     +--rw bgp:as-override?                    empty
      |  |  |  |  |     +--rw bgp:soft-reconfiguration
      |  |  |  |  |     |  +--rw bgp:inbound?   empty
      |  |  |  |  |     +--rw bgp:static-network-edge?            empty
      |  |  |  |  |     +--rw bgp:bfd
      |  |  |  |  |     |  +--rw bgp:bfd-enable?          empty
      |  |  |  |  |     |  +--rw bgp:holdover-interval?   bfd:bfd-holdover-interval
      |  |  |  |  |     |  +--rw bgp:interval
      |  |  |  |  |     |     +--rw bgp:min-tx?       bfd-tx-interval-type
      |  |  |  |  |     |     +--rw bgp:min-rx?       bfd-rx-interval-type
      |  |  |  |  |     |     +--rw bgp:multiplier?   bfd-multiplier-type
      |  |  |  |  |     +--rw bgp:graceful-restart
      |  |  |  |  |     |  +--rw (bgp:ch-graceful-restart-type)?
      |  |  |  |  |     |     +--:(bgp:ca-graceful-restart-disable)
      |  |  |  |  |     |     |  +--rw bgp:graceful-restart-disable?   empty
      |  |  |  |  |     |     +--:(bgp:ca-graceful-restart-status)
      |  |  |  |  |     |        +--rw bgp:graceful-restart-status?    empty
      |  |  |  |  |     +--rw bgp:maxas-limit
      |  |  |  |  |     |  +--rw bgp:in
      |  |  |  |  |     |     +--rw (bgp:ch-maxas-limit)?
      |  |  |  |  |     |        +--:(bgp:ca-maxas-limit-enable)
      |  |  |  |  |     |        |  +--rw bgp:num-as-in-as-path?     num-as-in-as-path
      |  |  |  |  |     |        +--:(bgp:ca-maxas-limit-disable)
      |  |  |  |  |     |           +--rw bgp:maxas-limit-disable?   empty
      |  |  |  |  |     +--rw bgp:graceful-shutdown
      |  |  |  |  |     |  +--rw bgp:gshut-timer-value?              bgp-gshut-timer
      |  |  |  |  |     |  +--rw (bgp:ch-gshut-options)?
      |  |  |  |  |     |     +--:(bgp:ca-gshut-timer-route-map)
      |  |  |  |  |     |     |  +--rw bgp:gshut-route-map?          rmap-type
      |  |  |  |  |     |     +--:(bgp:ca-gshut-timer-attributes)
      |  |  |  |  |     |        +--rw bgp:gshut-timer-attributes
      |  |  |  |  |     |           +--rw bgp:gshut-local-pref?   bgp-gshut-local-pref
      |  |  |  |  |     |           +--rw bgp:gshut-community?    bgp-gshut-community
      |  |  |  |  |     +--rw bgp:af-neighbor-capability
      |  |  |  |  |     |  +--rw bgp:as4
      |  |  |  |  |     |     +--rw bgp:neighbor-as4-enable?    empty
      |  |  |  |  |     |     +--rw bgp:neighbor-as4-disable?   empty
      |  |  |  |  |     +--rw bgp:shutdown
      |  |  |  |  |        +--rw bgp:shutdown-status?    empty
      |  |  |  |  |        +--rw bgp:generate-rib-out?   empty
      |  |  |  |  +--rw bgp:neighbor-ipv6s
      |  |  |  |  |  +--rw bgp:neighbor-ipv6-addr* [router-bgp-neighbor-ipv6-address]
      |  |  |  |  |     +--rw bgp:router-bgp-neighbor-ipv6-address    inet:ipv6-address
      |  |  |  |  |     +--rw bgp:remote-as?                          bgp-remote-as
      |  |  |  |  |     +--rw bgp:associate-peer-group?               bgp-peergroup
      |  |  |  |  |     +--rw bgp:update-source
      |  |  |  |  |     |  +--rw (bgp:ch-update-source)?
      |  |  |  |  |     |     +--:(bgp:ca-ipv6)
      |  |  |  |  |     |     |  +--rw bgp:sip-ipv6-address?     sip-ipv6-address
      |  |  |  |  |     |     +--:(bgp:ca-eth)
      |  |  |  |  |     |     |  +--rw bgp:ethernet-interface
      |  |  |  |  |     |     |     +--rw bgp:interface-type?   enumeration
      |  |  |  |  |     |     |     +--rw bgp:interface-name?   update-source-ethernet-type
      |  |  |  |  |     |     +--:(bgp:ca-port-channel)
      |  |  |  |  |     |     |  +--rw bgp:port-channel?         interface:portchannel-type
```

```
     |  |  |  |  |     |     +--:(bgp:ca-loopback)
     |  |  |  |  |     |     |  +--rw bgp:loopback?             loopback-interface
     |  |  |  |  |     |     +--:(bgp: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 (bgp:ch-next-hop-self-type)?
     |  |  |  |  |     |     +--:(bgp:ca-next-hop-self-always)
     |  |  |  |  |     |     |  +--rw bgp:next-hop-self-always?   empty
     |  |  |  |  |     |     +--:(bgp: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 (bgp:ch-ebgp-multihop-type)?
     |  |  |  |  |     |     +--:(bgp:ca-ebgp-multihop-flag)
     |  |  |  |  |     |     |  +--rw bgp:ebgp-multihop-flag?    empty
     |  |  |  |  |     |     +--:(bgp: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 (bgp:nei-peer-dampening-source)?
     |  |  |  |  |     |     +--:(bgp:nei-ca-peer-dampening-flag)
     |  |  |  |  |     |     |  +--rw bgp:nei-peer-dampening-flag?   empty
     |  |  |  |  |     |     +--:(bgp:nei-ca-peer-dampening-specify-values)
     |  |  |  |  |     |        +--rw bgp:values
     |  |  |  |  |     |           +--rw bgp:nei-delay-hold?           nei-delay-hold
     |  |  |  |  |     |           +--rw bgp:nei-penalty?              nei-penalty
     |  |  |  |  |     |           +--rw bgp:nei-max-penalty?          nei-max-penalty
     |  |  |  |  |     |           +--rw bgp:nei-stability-interval?   nei-stability-
interval
     |  |  |  |  |     +--rw bgp:remove-private-as?                  empty
     |  |  |  |  |     +--rw bgp:as-override?                        empty
     |  |  |  |  |     +--rw bgp:soft-reconfiguration
     |  |  |  |  |     |  +--rw bgp:inbound?   empty
     |  |  |  |  |     +--rw bgp:static-network-edge?                empty
     |  |  |  |  |     +--rw bgp:bfd
     |  |  |  |  |     |  +--rw bgp:bfd-enable?          empty
     |  |  |  |  |     |  +--rw bgp:holdover-interval?   bfd:bfd-holdover-interval
     |  |  |  |  |     |  +--rw bgp:interval
     |  |  |  |  |     |     +--rw bgp:min-tx?       bfd-tx-interval-type
     |  |  |  |  |     |     +--rw bgp:min-rx?       bfd-rx-interval-type
     |  |  |  |  |     |     +--rw bgp:multiplier?   bfd-multiplier-type
     |  |  |  |  |     +--rw bgp:graceful-restart
     |  |  |  |  |     |  +--rw (bgp:ch-graceful-restart-type)?
     |  |  |  |  |     |     +--:(bgp:ca-graceful-restart-disable)
     |  |  |  |  |     |     |  +--rw bgp:graceful-restart-disable?   empty
     |  |  |  |  |     |     +--:(bgp:ca-graceful-restart-status)
     |  |  |  |  |     |        +--rw bgp:graceful-restart-status?    empty
     |  |  |  |  |     +--rw bgp:maxas-limit
     |  |  |  |  |     |  +--rw bgp:in
     |  |  |  |  |     |     +--rw (bgp:ch-maxas-limit)?
     |  |  |  |  |     |        +--:(bgp:ca-maxas-limit-enable)
     |  |  |  |  |     |        |  +--rw bgp:num-as-in-as-path?     num-as-in-as-path
```

```
|  |  |  |  |     |        +--:(bgp:ca-maxas-limit-disable)
|  |  |  |  |     |           +--rw bgp:maxas-limit-disable?   empty
|  |  |  |  |     +--rw bgp:graceful-shutdown
|  |  |  |  |     |  +--rw bgp:gshut-timer-value?              bgp-gshut-timer
|  |  |  |  |     |  +--rw (bgp:ch-gshut-options)?
|  |  |  |  |     |     +--:(bgp:ca-gshut-timer-route-map)
|  |  |  |  |     |     |  +--rw bgp:gshut-route-map?          rmap-type
|  |  |  |  |     |     +--:(bgp:ca-gshut-timer-attributes)
|  |  |  |  |     |        +--rw bgp:gshut-timer-attributes
|  |  |  |  |     |           +--rw bgp:gshut-local-pref?   bgp-gshut-local-pref
|  |  |  |  |     |           +--rw bgp:gshut-community?    bgp-gshut-community
|  |  |  |  |     +--rw bgp:af-neighbor-capability
|  |  |  |  |     |  +--rw bgp:as4
|  |  |  |  |     |     +--rw bgp:neighbor-as4-enable?    empty
|  |  |  |  |     |     +--rw bgp:neighbor-as4-disable?   empty
|  |  |  |  |     +--rw bgp:shutdown
|  |  |  |  |        +--rw bgp:shutdown-status?    empty
|  |  |  |  |        +--rw bgp:generate-rib-out?   empty
|  |  |  |  +--rw bgp:neighbor-ips
|  |  |  |     +--rw bgp:neighbor-addr* [router-bgp-neighbor-address]
|  |  |  |        +--rw bgp:router-bgp-neighbor-address    inet:ipv4-address
|  |  |  |        +--rw bgp:remote-as?                     bgp-remote-as
|  |  |  |        +--rw bgp:associate-peer-group?          bgp-peergroup
|  |  |  |        +--rw bgp:update-source
|  |  |  |        |  +--rw (bgp:ch-update-source)?
|  |  |  |        |     +--:(bgp:ca-ipv4)
|  |  |  |        |     |  +--rw bgp:sip-ipv4-address?     sip-ipv4-address
|  |  |  |        |     +--:(bgp:ca-eth)
|  |  |  |        |     |  +--rw bgp:ethernet-interface
|  |  |  |        |     |     +--rw bgp:interface-type?   enumeration
|  |  |  |        |     |     +--rw bgp:interface-name?   update-source-ethernet-type
|  |  |  |        |     +--:(bgp:ca-port-channel)
|  |  |  |        |     |  +--rw bgp:port-channel?         interface:portchannel-type
|  |  |  |        |     +--:(bgp:ca-loopback)
|  |  |  |        |     |  +--rw bgp:loopback?             loopback-interface
|  |  |  |        |     +--:(bgp: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 (bgp:ch-next-hop-self-type)?
|  |  |  |        |     +--:(bgp:ca-next-hop-self-always)
|  |  |  |        |     |  +--rw bgp:next-hop-self-always?   empty
|  |  |  |        |     +--:(bgp: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 (bgp:ch-ebgp-multihop-type)?
|  |  |  |        |     +--:(bgp:ca-ebgp-multihop-flag)
|  |  |  |        |     |  +--rw bgp:ebgp-multihop-flag?    empty
|  |  |  |        |     +--:(bgp: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 (bgp:nei-peer-dampening-source)?
     |  |  |  |        |     +--:(bgp:nei-ca-peer-dampening-flag)
     |  |  |  |        |     |  +--rw bgp:nei-peer-dampening-flag?   empty
     |  |  |  |        |     +--:(bgp:nei-ca-peer-dampening-specify-values)
     |  |  |  |        |        +--rw bgp:values
     |  |  |  |        |           +--rw bgp:nei-delay-hold?           nei-delay-hold
     |  |  |  |        |           +--rw bgp:nei-penalty?              nei-penalty
     |  |  |  |        |           +--rw bgp:nei-max-penalty?          nei-max-penalty
     |  |  |  |        |           +--rw bgp:nei-stability-interval?   nei-stability-
interval
     |  |  |  |        +--rw bgp:remove-private-as?            empty
     |  |  |  |        +--rw bgp:as-override?                  empty
     |  |  |  |        +--rw bgp:soft-reconfiguration
     |  |  |  |        |  +--rw bgp:inbound?   empty
     |  |  |  |        +--rw bgp:static-network-edge?          empty
     |  |  |  |        +--rw bgp:bfd
     |  |  |  |        |  +--rw bgp:bfd-enable?          empty
     |  |  |  |        |  +--rw bgp:holdover-interval?   bfd:bfd-holdover-interval
     |  |  |  |        |  +--rw bgp:interval
     |  |  |  |        |     +--rw bgp:min-tx?       bfd-tx-interval-type
     |  |  |  |        |     +--rw bgp:min-rx?       bfd-rx-interval-type
     |  |  |  |        |     +--rw bgp:multiplier?   bfd-multiplier-type
     |  |  |  |        +--rw bgp:graceful-restart
     |  |  |  |        |  +--rw (bgp:ch-graceful-restart-type)?
     |  |  |  |        |     +--:(bgp:ca-graceful-restart-disable)
     |  |  |  |        |     |  +--rw bgp:graceful-restart-disable?   empty
     |  |  |  |        |     +--:(bgp:ca-graceful-restart-status)
     |  |  |  |        |        +--rw bgp:graceful-restart-status?    empty
     |  |  |  |        +--rw bgp:maxas-limit
     |  |  |  |        |  +--rw bgp:in
     |  |  |  |        |     +--rw (bgp:ch-maxas-limit)?
     |  |  |  |        |        +--:(bgp:ca-maxas-limit-enable)
     |  |  |  |        |        |  +--rw bgp:num-as-in-as-path?     num-as-in-as-path
     |  |  |  |        |        +--:(bgp:ca-maxas-limit-disable)
     |  |  |  |        |           +--rw bgp:maxas-limit-disable?   empty
     |  |  |  |        +--rw bgp:graceful-shutdown
     |  |  |  |        |  +--rw bgp:gshut-timer-value?              bgp-gshut-timer
     |  |  |  |        |  +--rw (bgp:ch-gshut-options)?
     |  |  |  |        |     +--:(bgp:ca-gshut-timer-route-map)
     |  |  |  |        |     |  +--rw bgp:gshut-route-map?          rmap-type
     |  |  |  |        |     +--:(bgp:ca-gshut-timer-attributes)
     |  |  |  |        |        +--rw bgp:gshut-timer-attributes
     |  |  |  |        |           +--rw bgp:gshut-local-pref?   bgp-gshut-local-pref
     |  |  |  |        |           +--rw bgp:gshut-community?    bgp-gshut-community
     |  |  |  |        +--rw bgp:af-neighbor-capability
     |  |  |  |        |  +--rw bgp:as4
     |  |  |  |        |     +--rw bgp:neighbor-as4-enable?    empty
     |  |  |  |        |     +--rw bgp:neighbor-as4-disable?   empty
     |  |  |  |        +--rw bgp:shutdown
     |  |  |  |           +--rw bgp:shutdown-status?    empty
     |  |  |  |           +--rw bgp:generate-rib-out?   empty
     |  |  |  +--rw bgp:listen-range* [listen-range-prefix peer-group]
     |  |  |  |  +--rw bgp:listen-range-prefix    inet:ipv4-prefix
     |  |  |  |  +--rw bgp:peer-group             bgp-peergroup
     |  |  |  |  +--rw bgp:limit?                 listen-limit-type
     |  |  |  +--rw bgp:ipv6
     |  |  |  |  +--rw bgp:ipv6-listen-range* [listen-range-prefix peer-group]
     |  |  |  |     +--rw bgp:listen-range-prefix    inet:ipv6-prefix
     |  |  |  |     +--rw bgp:peer-group             bgp-peergroup
     |  |  |  |     +--rw bgp:limit?                 listen-limit-type
     |  |  |  +--rw bgp:graceful-shutdown
     |  |  |  |  +--rw bgp:gshut-timer-value?              bgp-gshut-timer
     |  |  |  |  +--rw (bgp:ch-gshut-options)?
     |  |  |  |     +--:(bgp:ca-gshut-timer-route-map)
```

```
     |  |  |  |     |  +--rw bgp:gshut-route-map?          rmap-type
     |  |  |  |     +--:(bgp:ca-gshut-timer-attributes)
     |  |  |  |        +--rw bgp:gshut-timer-attributes
     |  |  |  |           +--rw bgp:gshut-local-pref?   bgp-gshut-local-pref
     |  |  |  |           +--rw bgp:gshut-community?    bgp-gshut-community
     |  |  |  +--rw bgp:init-route-calc-delay
     |  |  |     +--rw bgp:init-route-calc-delay-status?   empty
     |  |  |     +--rw bgp:min-delay?                      route-calc-delay-time-min
     |  |  |     +--rw bgp:max-delay?                      route-calc-delay-time-max
     |  |  |     +--rw bgp:msg-idle-time?                  route-calc-delay-time-msg-idle
     |  |  +--rw bgp:address-family
     |  |  |  +--rw bgp:ipv4
     |  |  |  |  +--rw bgp:ipv4-unicast
     |  |  |  |  |  +--rw bgp:default-vrf
     |  |  |  |  |  |  +--rw bgp:default-vrf-selected?                        empty
     |  |  |  |  |  |  +--rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder
     |  |  |  |  |  |  |  +--rw bgp:bgp-redistribute-internal?   empty
     |  |  |  |  |  |  |  +--rw bgp:redistribute
     |  |  |  |  |  |  |  |  +--rw bgp:bgp
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-bgp?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:bgp-metric?         conn-metric
     |  |  |  |  |  |  |  |  |  +--rw bgp:bgp-route-map?      rmap-type
     |  |  |  |  |  |  |  |  +--rw bgp:connected
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-connected?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:unicast-metric?           conn-metric
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-route-map?   rmap-type
     |  |  |  |  |  |  |  |  +--rw bgp:ospf
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-ospf?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:match
     |  |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-internal?    empty
     |  |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-external1?   empty
     |  |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-external2?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-metric?         conn-metric
     |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-route-map?      rmap-type
     |  |  |  |  |  |  |  |  +--rw bgp:redistribute-isis!
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-isis-route-map?   common-def:name-
string63
     |  |  |  |  |  |  |  |  |  +--rw (bgp:ch-isis-level)?
     |  |  |  |  |  |  |  |  |  |  +--:(bgp:ca-level-1)
     |  |  |  |  |  |  |  |  |  |  |  +--rw bgp:level-1?                empty
     |  |  |  |  |  |  |  |  |  |  +--:(bgp:ca-level-2)
     |  |  |  |  |  |  |  |  |  |  |  +--rw bgp:level-2?                empty
     |  |  |  |  |  |  |  |  |  |  +--:(bgp:ca-level-1-2)
     |  |  |  |  |  |  |  |  |  |     +--rw bgp:level-1-2?               empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-isis-metric?      conn-metric
     |  |  |  |  |  |  |  |  +--rw bgp:static
     |  |  |  |  |  |  |  |     +--rw bgp:redistribute-static?     empty
     |  |  |  |  |  |  |  |     +--rw bgp:unicast-static-metric?   conn-metric
     |  |  |  |  |  |  |  |     +--rw bgp:static-route-map?        rmap-type
     |  |  |  |  |  |  |  +--rw bgp:af-additional-paths
     |  |  |  |  |  |  |  |  +--rw bgp:addpath-txrx
     |  |  |  |  |  |  |  |  |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |  |  |  |  +--rw bgp:addpath-select
     |  |  |  |  |  |  |  |     +--rw bgp:addpath-sel-best?        uint8
     |  |  |  |  |  |  |  |     +--rw bgp:addpath-sel-groupbest?   empty
     |  |  |  |  |  |  |  |     +--rw bgp:addpath-sel-all?         empty
     |  |  |  |  |  |  |  +--rw bgp:advertise-best-external?     empty
     |  |  |  |  |  |  +--rw bgp:static-network* [static-network-address]
     |  |  |  |  |  |  |  +--rw bgp:static-network-address     inet:ipv4-prefix
     |  |  |  |  |  |  |  +--rw bgp:static-network-distance?   sdistance
     |  |  |  |  |  |  +--rw bgp:aggregate-address* [aggregate-ip-prefix]
     |  |  |  |  |  |  |  +--rw bgp:aggregate-ip-prefix    inet:ipv4-prefix
     |  |  |  |  |  |  |  +--rw bgp:advertise-map?         advertise-map
```

```
     |  |  |  |  |  |  |  +--rw bgp:as-set?                empty
     |  |  |  |  |  |  |  +--rw bgp:attribute-map?         attribute-map
     |  |  |  |  |  |  |  +--rw bgp:summary-only?          empty
     |  |  |  |  |  |  |  +--rw bgp:suppress-map?          suppress-map
     |  |  |  |  |  |  +--rw bgp:network* [network-ipv4-address]
     |  |  |  |  |  |  |  +--rw bgp:network-ipv4-address    inet:ipv4-prefix
     |  |  |  |  |  |  |  +--rw bgp:network-weight?         absolute-decimal-number
     |  |  |  |  |  |  |  +--rw bgp:backdoor?               empty
     |  |  |  |  |  |  |  +--rw bgp:network-route-map?      rmap-type
     |  |  |  |  |  |  +--rw bgp:neighbor
     |  |  |  |  |  |  |  +--rw bgp:af-ipv4-neighbor-peergroup-holder
     |  |  |  |  |  |  |  |  +--rw bgp:af-ipv4-neighbor-peergroup* [af-ipv4-neighbor-
peergroup-name]
     |  |  |  |  |  |  |  |     +--rw bgp:af-ipv4-neighbor-peergroup-name    bgp-peergroup
     |  |  |  |  |  |  |  |     +--rw bgp:send-community
     |  |  |  |  |  |  |  |     |  +--rw bgp:send-community-status?   empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:all?                     empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:both?                    empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:extended?                empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:standard?                empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:large?                   empty
     |  |  |  |  |  |  |  |     +--rw bgp:af-neighbor-capability
     |  |  |  |  |  |  |  |     |  +--rw bgp:orf
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefixlist
     |  |  |  |  |  |  |  |     |        +--rw bgp:prefixlist-status?    empty
     |  |  |  |  |  |  |  |     |        +--rw bgp:prefixlist-send?      empty
     |  |  |  |  |  |  |  |     |        +--rw bgp:prefixlist-receive?   empty
     |  |  |  |  |  |  |  |     +--rw bgp:activate?                          empty
     |  |  |  |  |  |  |  |     +--rw bgp:allowas-in?                        uint32
     |  |  |  |  |  |  |  |     +--rw bgp:filter-list
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-in
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-
filter-name
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-out
     |  |  |  |  |  |  |  |     |     +--rw bgp:filter-list-direction-out-acl-name?   ip-
filter-name
     |  |  |  |  |  |  |  |     |     +--rw bgp:filter-list-name-direction-out?
empty
     |  |  |  |  |  |  |  |     +--rw bgp:maximum-prefix
     |  |  |  |  |  |  |  |     |  +--rw bgp:max-prefix-limit?   max-prefix-limit
     |  |  |  |  |  |  |  |     |  +--rw bgp:threshold-holder
     |  |  |  |  |  |  |  |     |     +--rw bgp:threshold?          max-prefix-threshold
     |  |  |  |  |  |  |  |     |     +--rw bgp:teardown?           empty
     |  |  |  |  |  |  |  |     |     +--rw bgp:restart-interval?   restart-interval-range
     |  |  |  |  |  |  |  |     +--rw bgp:default-originate
     |  |  |  |  |  |  |  |     |  +--rw bgp:default-originate-status?      empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:default-originate-route-map?   rmap-type
     |  |  |  |  |  |  |  |     +--rw bgp:prefix-list
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-in
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:prefix-list-direction-in-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:prefix-list-direction-in?
empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-out
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefix-list-direction-out?
empty
     |  |  |  |  |  |  |  |     +--rw bgp:neighbor-route-map
     |  |  |  |  |  |  |  |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |  |  |  |     |  +--rw bgp:neighbor-route-map-direction-out
```

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

```
     |  |  |  |  |  |  |        |     +--rw bgp:prefix-list-direction-out?
empty
     |  |  |  |  |  |  |        +--rw bgp:neighbor-route-map
     |  |  |  |  |  |  |        |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |  |  |        |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |  |  |        |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |  |  |  |        |     +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
     |  |  |  |  |  |  |        +--rw bgp:route-reflector-client?     empty
     |  |  |  |  |  |  |        +--rw bgp:unsuppress-map
     |  |  |  |  |  |  |        |  +--rw bgp:map-name?   rmap-type
     |  |  |  |  |  |  |        +--rw bgp:af-nei-weight?              nei-weight
     |  |  |  |  |  |  |        +--rw bgp:enable-peer-as-check?       empty
     |  |  |  |  |  |  |        +--rw bgp:announce-rpki-state?        empty
     |  |  |  |  |  |  |        +--rw bgp:additional-paths
     |  |  |  |  |  |  |           +--rw bgp:addpath-disable?     empty
     |  |  |  |  |  |  |           +--rw bgp:addpath-txrx
     |  |  |  |  |  |  |           |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |  |  |           |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |  |  |           +--rw bgp:addpath-advertise
     |  |  |  |  |  |  |              +--rw bgp:addpath-adv-best?        uint8
     |  |  |  |  |  |  |              +--rw bgp:addpath-adv-groupbest?   empty
     |  |  |  |  |  |  |              +--rw bgp:addpath-adv-all?         empty
     |  |  |  |  |  |  +--rw bgp:af-common-cmds-holder
     |  |  |  |  |  |  |  +--rw bgp:maximum-paths
     |  |  |  |  |  |  |  |  +--rw bgp:load-sharing-value?   uint32
     |  |  |  |  |  |  |  |  +--rw bgp:ebgp?                 ebgp-paths
     |  |  |  |  |  |  |  |  +--rw bgp:ibgp?                 ibgp-paths
     |  |  |  |  |  |  |  |  +--rw bgp:use-load-sharing?     empty
     |  |  |  |  |  |  |  +--rw bgp:multipath
     |  |  |  |  |  |  |  |  +--rw bgp:multipath_ebgp?   empty
     |  |  |  |  |  |  |  |  +--rw bgp:multipath_ibgp?   empty
     |  |  |  |  |  |  |  |  +--rw bgp:multi-as?         empty
     |  |  |  |  |  |  |  +--rw bgp:always-propagate?                empty
     |  |  |  |  |  |  |  +--rw bgp:default-information-originate?   empty
     |  |  |  |  |  |  |  +--rw bgp:rib-route-limit?                 rib-route-number
     |  |  |  |  |  |  |  +--rw bgp:client-to-client-reflection?     empty
     |  |  |  |  |  |  |  +--rw bgp:dampening
     |  |  |  |  |  |  |  |  +--rw (bgp:ch-dampening-source)?
     |  |  |  |  |  |  |  |     +--:(bgp:ca-dampening-flag)
     |  |  |  |  |  |  |  |     |  +--rw bgp:dampening-flag?        empty
     |  |  |  |  |  |  |  |     +--:(bgp:ca-dampening-specify-values)
     |  |  |  |  |  |  |  |     |  +--rw bgp:values
     |  |  |  |  |  |  |  |     |     +--rw bgp:half-time?             htime
     |  |  |  |  |  |  |  |     |     +--rw bgp:reuse-value?           damp-reuse-value
     |  |  |  |  |  |  |  |     |     +--rw bgp:start-suppress-time?   damp-start-
suppress-value
     |  |  |  |  |  |  |  |     |     +--rw bgp:max-suppress-time?     damp-max-suppress-
value
     |  |  |  |  |  |  |  |     +--:(bgp:ca-dampening-route-map)
     |  |  |  |  |  |  |  |        +--rw bgp:dampening-route-map?   rmap-type
     |  |  |  |  |  |  |  +--rw bgp:default-metric?                  default-metric-number
     |  |  |  |  |  |  |  +--rw bgp:next-hop-enable-default?         empty
     |  |  |  |  |  |  |  +--rw bgp:table-map
     |  |  |  |  |  |  |  |  +--rw bgp:table-map-route-map?   rmap-type
     |  |  |  |  |  |  |  +--rw bgp:update-time?                     update-time-type
     |  |  |  |  |  |  |  +--rw bgp:graceful-restart
     |  |  |  |  |  |  |     +--rw bgp:graceful-restart-status?   empty
     |  |  |  |  |  |  |     +--rw bgp:restart-time?              rtime-type
     |  |  |  |  |  |  |     +--rw bgp:purge-time?                ptime-type
     |  |  |  |  |  |  |     +--rw bgp:stale-routes-time?         st-time-type
     |  |  |  |  |  |  +--rw bgp:next-hop-recursion?                          empty
     |  |  |  |  |  |  +--rw bgp:bestpath
```

```
     |  |  |  |  |  |  |  +--rw bgp:prefix-validation
     |  |  |  |  |  |  |  |     +--rw bgp:prefix-validation-disable?   empty
     |  |  |  |  |  |  |  |     +--rw bgp:disallow-invalid?            empty
     |  |  |  |  |  |  |  +--rw bgp:next-hop-mpls!
     |  |  |  |  |  |  |     +--rw (bgp:ch-compare-lsp-follow-igp)?
     |  |  |  |  |  |  |        +--:(bgp:ca-compare-lsp-metric)
     |  |  |  |  |  |  |        |  +--rw bgp:compare-lsp-metric?   empty
     |  |  |  |  |  |  |        +--:(bgp:ca-follow-igp)
     |  |  |  |  |  |  |           +--rw bgp:follow-igp?           empty
     |  |  |  |  |  |  +--rw bgp:af-vrf* [af-vrf-name]
     |  |  |  |  |  |     +--rw bgp:af-vrf-name                                  string
     |  |  |  |  |  |     +--rw bgp:local-as?                                    local-as-
type
     |  |  |  |  |  |     +--rw bgp:maxas-limit
     |  |  |  |  |  |     |  +--rw bgp:in
     |  |  |  |  |  |     |     +--rw bgp:num-as-in-path?   num-as-in-path
     |  |  |  |  |  |     +--rw bgp:next-hop-recursion?                          empty
     |  |  |  |  |  |     +--rw bgp:bestpath
     |  |  |  |  |  |     |  +--rw bgp:prefix-validation
     |  |  |  |  |  |     |     +--rw bgp:prefix-validation-disable?   empty
     |  |  |  |  |  |     |     +--rw bgp:disallow-invalid?            empty
     |  |  |  |  |  |     +--rw bgp:graceful-restart-status?                     empty
     |  |  |  |  |  |     +--rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder
     |  |  |  |  |  |     |  +--rw bgp:bgp-redistribute-internal?   empty
     |  |  |  |  |  |     |  +--rw bgp:redistribute
     |  |  |  |  |  |     |  |  +--rw bgp:bgp
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-bgp?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:bgp-metric?         conn-metric
     |  |  |  |  |  |     |  |  |  +--rw bgp:bgp-route-map?      rmap-type
     |  |  |  |  |  |     |  |  +--rw bgp:connected
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-connected?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:unicast-metric?           conn-metric
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-route-map?   rmap-type
     |  |  |  |  |  |     |  |  +--rw bgp:ospf
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-ospf?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:match
     |  |  |  |  |  |     |  |  |  |  +--rw bgp:ospf-internal?    empty
     |  |  |  |  |  |     |  |  |  |  +--rw bgp:ospf-external1?   empty
     |  |  |  |  |  |     |  |  |  |  +--rw bgp:ospf-external2?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:ospf-metric?         conn-metric
     |  |  |  |  |  |     |  |  |  +--rw bgp:ospf-route-map?      rmap-type
     |  |  |  |  |  |     |  |  +--rw bgp:redistribute-isis!
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-isis-route-map?   common-def:name-
string63
     |  |  |  |  |  |     |  |  |  +--rw (bgp:ch-isis-level)?
     |  |  |  |  |  |     |  |  |  |  +--:(bgp:ca-level-1)
     |  |  |  |  |  |     |  |  |  |  |  +--rw bgp:level-1?                empty
     |  |  |  |  |  |     |  |  |  |  +--:(bgp:ca-level-2)
     |  |  |  |  |  |     |  |  |  |  |  +--rw bgp:level-2?                empty
     |  |  |  |  |  |     |  |  |  |  +--:(bgp:ca-level-1-2)
     |  |  |  |  |  |     |  |  |  |     +--rw bgp:level-1-2?               empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-isis-metric?      conn-metric
     |  |  |  |  |  |     |  |  +--rw bgp:static
     |  |  |  |  |  |     |  |     +--rw bgp:redistribute-static?     empty
     |  |  |  |  |  |     |  |     +--rw bgp:unicast-static-metric?   conn-metric
     |  |  |  |  |  |     |  |     +--rw bgp:static-route-map?        rmap-type
     |  |  |  |  |  |     |  +--rw bgp:af-additional-paths
     |  |  |  |  |  |     |  |  +--rw bgp:addpath-txrx
     |  |  |  |  |  |     |  |  |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |  |     |  |  +--rw bgp:addpath-select
     |  |  |  |  |  |     |  |     +--rw bgp:addpath-sel-best?        uint8
     |  |  |  |  |  |     |  |     +--rw bgp:addpath-sel-groupbest?   empty
     |  |  |  |  |  |     |  |     +--rw bgp:addpath-sel-all?         empty
```

```
     |  |  |  |  |     |  +--rw bgp:advertise-best-external?     empty
     |  |  |  |  |     +--rw bgp:static-network* [static-network-address]
     |  |  |  |  |     |  +--rw bgp:static-network-address     inet:ipv4-prefix
     |  |  |  |  |     |  +--rw bgp:static-network-distance?   sdistance
     |  |  |  |  |     +--rw bgp:aggregate-address* [aggregate-ip-prefix]
     |  |  |  |  |     |  +--rw bgp:aggregate-ip-prefix    inet:ipv4-prefix
     |  |  |  |  |     |  +--rw bgp:advertise-map?         advertise-map
     |  |  |  |  |     |  +--rw bgp:as-set?                empty
     |  |  |  |  |     |  +--rw bgp:attribute-map?         attribute-map
     |  |  |  |  |     |  +--rw bgp:summary-only?          empty
     |  |  |  |  |     |  +--rw bgp:suppress-map?          suppress-map
     |  |  |  |  |     +--rw bgp:network* [network-ipv4-address]
     |  |  |  |  |     |  +--rw bgp:network-ipv4-address    inet:ipv4-prefix
     |  |  |  |  |     |  +--rw bgp:network-weight?         absolute-decimal-number
     |  |  |  |  |     |  +--rw bgp:backdoor?               empty
     |  |  |  |  |     |  +--rw bgp:network-route-map?      rmap-type
     |  |  |  |  |     +--rw bgp:listen-range* [listen-range-prefix peer-group]
     |  |  |  |  |     |  +--rw bgp:listen-range-prefix    inet:ipv4-prefix
     |  |  |  |  |     |  +--rw bgp:peer-group             bgp-peergroup
     |  |  |  |  |     |  +--rw bgp:limit?                 listen-limit-type
     |  |  |  |  |     +--rw bgp:neighbor
     |  |  |  |  |     |  +--rw bgp:af-ipv4-vrf-neighbor-address-holder
     |  |  |  |  |     |     +--rw bgp:af-ipv4-neighbor-addr* [af-ipv4-neighbor-address]
     |  |  |  |  |     |        +--rw bgp:af-ipv4-neighbor-address      inet:ipv4-address
     |  |  |  |  |     |        +--rw bgp:associate-peer-group?         bgp-peergroup
     |  |  |  |  |     |        +--rw bgp:remote-as?                    bgp-remote-as
     |  |  |  |  |     |        +--rw bgp:shutdown
     |  |  |  |  |     |        |  +--rw bgp:shutdown-status?    empty
     |  |  |  |  |     |        |  +--rw bgp:generate-rib-out?   empty
     |  |  |  |  |     |        +--rw bgp:af-vrf-neighbor-capability
     |  |  |  |  |     |        |  +--rw bgp:as4
     |  |  |  |  |     |        |  |  +--rw bgp:neighbor-as4-enable?    empty
     |  |  |  |  |     |        |  |  +--rw bgp:neighbor-as4-disable?   empty
     |  |  |  |  |     |        |  +--rw bgp:orf
     |  |  |  |  |     |        |     +--rw bgp:prefixlist
     |  |  |  |  |     |        |        +--rw bgp:prefixlist-status?    empty
     |  |  |  |  |     |        |        +--rw bgp:prefixlist-send?      empty
     |  |  |  |  |     |        |        +--rw bgp:prefixlist-receive?   empty
     |  |  |  |  |     |        +--rw bgp:allowas-in?                   uint32
     |  |  |  |  |     |        +--rw bgp:filter-list
     |  |  |  |  |     |        |  +--rw bgp:direction-in
     |  |  |  |  |     |        |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-
filter-name
     |  |  |  |  |     |        |  |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |  |     |        |  +--rw bgp:direction-out
     |  |  |  |  |     |        |     +--rw bgp:filter-list-direction-out-acl-name?   ip-
filter-name
     |  |  |  |  |     |        |     +--rw bgp:filter-list-name-direction-out?
empty
     |  |  |  |  |     |        +--rw bgp:maximum-prefix
     |  |  |  |  |     |        |  +--rw bgp:max-prefix-limit?   max-prefix-limit
     |  |  |  |  |     |        |  +--rw bgp:threshold-holder
     |  |  |  |  |     |        |     +--rw bgp:threshold?          max-prefix-threshold
     |  |  |  |  |     |        |     +--rw bgp:teardown?           empty
     |  |  |  |  |     |        |     +--rw bgp:restart-interval?   restart-interval-range
     |  |  |  |  |     |        +--rw bgp:default-originate
     |  |  |  |  |     |        |  +--rw bgp:default-originate-status?      empty
     |  |  |  |  |     |        |  +--rw bgp:default-originate-route-map?   rmap-type
     |  |  |  |  |     |        +--rw bgp:prefix-list
     |  |  |  |  |     |        |  +--rw bgp:direction-in
     |  |  |  |  |     |        |  |  +--rw bgp:prefix-list-direction-in-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |     |        |  |  +--rw bgp:prefix-list-direction-in?
empty
```

```
     |  |  |  |  |     |        |  +--rw bgp:direction-out
     |  |  |  |  |     |        |     +--rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |     |        |     +--rw bgp:prefix-list-direction-out?
empty
     |  |  |  |  |     |        +--rw bgp:neighbor-route-map
     |  |  |  |  |     |        |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |     |        |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |     |        |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |  |     |        |     +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
     |  |  |  |  |     |        +--rw bgp:route-reflector-client?       empty
     |  |  |  |  |     |        +--rw bgp:unsuppress-map
     |  |  |  |  |     |        |  +--rw bgp:map-name?   rmap-type
     |  |  |  |  |     |        +--rw bgp:af-nei-weight?                nei-weight
     |  |  |  |  |     |        +--rw bgp:enable-peer-as-check?         empty
     |  |  |  |  |     |        +--rw bgp:announce-rpki-state?          empty
     |  |  |  |  |     |        +--rw bgp:additional-paths
     |  |  |  |  |     |        |  +--rw bgp:addpath-disable?     empty
     |  |  |  |  |     |        |  +--rw bgp:addpath-txrx
     |  |  |  |  |     |        |  |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |     |        |  |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |     |        |  +--rw bgp:addpath-advertise
     |  |  |  |  |     |        |     +--rw bgp:addpath-adv-best?        uint8
     |  |  |  |  |     |        |     +--rw bgp:addpath-adv-groupbest?   empty
     |  |  |  |  |     |        |     +--rw bgp:addpath-adv-all?         empty
     |  |  |  |  |     |        +--rw bgp: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 (bgp:ch-next-hop-self-type)?
     |  |  |  |  |     |        |     +--:(bgp:ca-next-hop-self-always)
     |  |  |  |  |     |        |     |  +--rw bgp:next-hop-self-always?   empty
     |  |  |  |  |     |        |     +--:(bgp: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 (bgp:ch-ebgp-multihop-type)?
     |  |  |  |  |     |        |     +--:(bgp:ca-ebgp-multihop-flag)
     |  |  |  |  |     |        |     |  +--rw bgp:ebgp-multihop-flag?    empty
     |  |  |  |  |     |        |     +--:(bgp: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 (bgp:nei-peer-dampening-source)?
     |  |  |  |  |     |        |     +--:(bgp:nei-ca-peer-dampening-flag)
     |  |  |  |  |     |        |     |  +--rw bgp:nei-peer-dampening-flag?   empty
     |  |  |  |  |     |        |     +--:(bgp:nei-ca-peer-dampening-specify-values)
     |  |  |  |  |     |        |        +--rw bgp:values
     |  |  |  |  |     |        |           +--rw bgp:nei-delay-hold?           nei-delay-
hold
     |  |  |  |  |     |        |           +--rw bgp:nei-penalty?              nei-
penalty
```

```
     |  |  |  |  |     |        |           +--rw bgp:nei-max-penalty?          nei-max-
penalty
     |  |  |  |  |     |        |           +--rw bgp:nei-stability-interval?   nei-
stability-interval
     |  |  |  |  |     |        +--rw bgp:remove-private-as?            empty
     |  |  |  |  |     |        +--rw bgp:as-override?                  empty
     |  |  |  |  |     |        +--rw bgp:soft-reconfiguration
     |  |  |  |  |     |        |  +--rw bgp:inbound?   empty
     |  |  |  |  |     |        +--rw bgp:static-network-edge?          empty
     |  |  |  |  |     |        +--rw bgp:bfd
     |  |  |  |  |     |        |  +--rw bgp:bfd-enable?          empty
     |  |  |  |  |     |        |  +--rw bgp:holdover-interval?   bfd:bfd-holdover-
interval
     |  |  |  |  |     |        |  +--rw bgp:interval
     |  |  |  |  |     |        |     +--rw bgp:min-tx?       bfd-tx-interval-type
     |  |  |  |  |     |        |     +--rw bgp:min-rx?       bfd-rx-interval-type
     |  |  |  |  |     |        |     +--rw bgp:multiplier?   bfd-multiplier-type
     |  |  |  |  |     |        +--rw bgp:graceful-restart
     |  |  |  |  |     |        |  +--rw (bgp:ch-graceful-restart-type)?
     |  |  |  |  |     |        |     +--:(bgp:ca-graceful-restart-disable)
     |  |  |  |  |     |        |     |  +--rw bgp:graceful-restart-disable?   empty
     |  |  |  |  |     |        |     +--:(bgp:ca-graceful-restart-status)
     |  |  |  |  |     |        |        +--rw bgp:graceful-restart-status?    empty
     |  |  |  |  |     |        +--rw bgp:maxas-limit
     |  |  |  |  |     |        |  +--rw bgp:in
     |  |  |  |  |     |        |     +--rw (bgp:ch-maxas-limit)?
     |  |  |  |  |     |        |        +--:(bgp:ca-maxas-limit-enable)
     |  |  |  |  |     |        |        |  +--rw bgp:num-as-in-as-path?     num-as-in-as-
path
     |  |  |  |  |     |        |        +--:(bgp:ca-maxas-limit-disable)
     |  |  |  |  |     |        |           +--rw bgp:maxas-limit-disable?   empty
     |  |  |  |  |     |        +--rw bgp:update-source
     |  |  |  |  |     |        |  +--rw (bgp:ch-update-source)?
     |  |  |  |  |     |        |     +--:(bgp:ca-ipv4)
     |  |  |  |  |     |        |     |  +--rw bgp:sip-ipv4-address?     sip-ipv4-address
     |  |  |  |  |     |        |     +--:(bgp:ca-eth)
     |  |  |  |  |     |        |     |  +--rw bgp:ethernet-interface
     |  |  |  |  |     |        |     |     +--rw bgp:interface-type?   enumeration
     |  |  |  |  |     |        |     |     +--rw bgp:interface-name?   update-source-
ethernet-type
     |  |  |  |  |     |        |     +--:(bgp:ca-port-channel)
     |  |  |  |  |     |        |     |  +--rw bgp:port-channel?
interface:portchannel-type
     |  |  |  |  |     |        |     +--:(bgp:ca-loopback)
     |  |  |  |  |     |        |     |  +--rw bgp:loopback?             loopback-
interface
     |  |  |  |  |     |        |     +--:(bgp:ca-ve)
     |  |  |  |  |     |        |        +--rw bgp:ve-interface?         interface:ve-type
     |  |  |  |  |     |        +--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:maximum-paths
     |  |  |  |  |     |  +--rw bgp:load-sharing-value?   uint32
     |  |  |  |  |     |  +--rw bgp:ebgp?                 ebgp-paths
     |  |  |  |  |     |  +--rw bgp:ibgp?                 ibgp-paths
     |  |  |  |  |     |  +--rw bgp:use-load-sharing?     empty
     |  |  |  |  |     +--rw bgp:multipath
     |  |  |  |  |     |  +--rw bgp:multipath_ebgp?   empty
     |  |  |  |  |     |  +--rw bgp:multipath_ibgp?   empty
```

```
     |  |  |  |  |     |  +--rw bgp:multi-as?         empty
     |  |  |  |  |     +--rw bgp:always-propagate?                              empty
     |  |  |  |  |     +--rw bgp:default-information-originate?                 empty
     |  |  |  |  |     +--rw bgp:rib-route-limit?                               rib-route-
number
     |  |  |  |  |     +--rw bgp:client-to-client-reflection?                   empty
     |  |  |  |  |     +--rw bgp:dampening
     |  |  |  |  |     |  +--rw (bgp:ch-dampening-source)?
     |  |  |  |  |     |     +--:(bgp:ca-dampening-flag)
     |  |  |  |  |     |     |  +--rw bgp:dampening-flag?        empty
     |  |  |  |  |     |     +--:(bgp:ca-dampening-specify-values)
     |  |  |  |  |     |     |  +--rw bgp:values
     |  |  |  |  |     |     |     +--rw bgp:half-time?             htime
     |  |  |  |  |     |     |     +--rw bgp:reuse-value?           damp-reuse-value
     |  |  |  |  |     |     |     +--rw bgp:start-suppress-time?   damp-start-suppress-
value
     |  |  |  |  |     |     |     +--rw bgp:max-suppress-time?     damp-max-suppress-
value
     |  |  |  |  |     |     +--:(bgp:ca-dampening-route-map)
     |  |  |  |  |     |        +--rw bgp:dampening-route-map?   rmap-type
     |  |  |  |  |     +--rw bgp:default-metric?                                default-
metric-number
     |  |  |  |  |     +--rw bgp:next-hop-enable-default?                       empty
     |  |  |  |  |     +--rw bgp:table-map
     |  |  |  |  |     |  +--rw bgp:table-map-route-map?   rmap-type
     |  |  |  |  |     +--rw bgp:update-time?                                   update-time-
type
     |  |  |  |  +--rw bgp:flowspec
     |  |  |  |  |  +--rw bgp:ipv4-flowspec-default-vrf!
     |  |  |  |  |     +--rw bgp:default-vrf-selected?          empty
     |  |  |  |  |     +--rw bgp:client-to-client-reflection?   empty
     |  |  |  |  |     +--rw bgp:distribute?                    common-def:name-string64
     |  |  |  |  |     +--rw bgp:rib-route-limit?               rib-route-number
     |  |  |  |  |     +--rw bgp:flowspec
     |  |  |  |  |     |  +--rw bgp:validation
     |  |  |  |  |     |     +--rw bgp:validation-flag?   empty
     |  |  |  |  |     |     +--rw bgp:redirect?          empty
     |  |  |  |  |     +--rw bgp:neighbor
     |  |  |  |  |        +--rw bgp:af-ipv4-neighbor-peergroup-holder
     |  |  |  |  |        |  +--rw bgp:af-ipv4-neighbor-peergroup* [af-ipv4-neighbor-
peergroup-name]
     |  |  |  |  |        |     +--rw bgp:af-ipv4-neighbor-peergroup-name    bgp-peergroup
     |  |  |  |  |        |     +--rw bgp:activate?                          empty
     |  |  |  |  |        |     +--rw bgp:allowas-in?                        uint32
     |  |  |  |  |        |     +--rw bgp:maximum-prefix
     |  |  |  |  |        |     |  +--rw bgp:max-prefix-limit?   max-prefix-limit
     |  |  |  |  |        |     |  +--rw bgp:threshold-holder
     |  |  |  |  |        |     |     +--rw bgp:threshold?          max-prefix-threshold
     |  |  |  |  |        |     |     +--rw bgp:teardown?           empty
     |  |  |  |  |        |     |     +--rw bgp:restart-interval?   restart-interval-range
     |  |  |  |  |        |     +--rw bgp:neighbor-route-map
     |  |  |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |        |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |  |        |     |     +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
     |  |  |  |  |        |     +--rw bgp:route-reflector-client?            empty
     |  |  |  |  |        |     +--rw bgp:af-nei-weight?                     nei-weight
     |  |  |  |  |        |     +--rw bgp:flowspec
     |  |  |  |  |        |        +--rw bgp:validation
     |  |  |  |  |        |        |  +--rw bgp:validation-flag?   empty
     |  |  |  |  |        |        |  +--rw bgp:redirect?          empty
     |  |  |  |  |        |        +--rw bgp:redirect
```

```
     |  |  |  |  |        |           +--rw bgp:next-hop
     |  |  |  |  |        |              +--rw bgp:next-hop-type?     enumeration
     |  |  |  |  |        |              +--rw bgp:next-hop-holder?   enumeration
     |  |  |  |  |        +--rw bgp:af-ipv4-neighbor-address-holder
     |  |  |  |  |           +--rw bgp:af-ipv4-neighbor-address* [af-ipv4-neighbor-
address]
     |  |  |  |  |              +--rw bgp:af-ipv4-neighbor-address    inet:ipv4-address
     |  |  |  |  |              +--rw bgp:activate?                   empty
     |  |  |  |  |              +--rw bgp:allowas-in?                 uint32
     |  |  |  |  |              +--rw bgp:maximum-prefix
     |  |  |  |  |              |  +--rw bgp:max-prefix-limit?   max-prefix-limit
     |  |  |  |  |              |  +--rw bgp:threshold-holder
     |  |  |  |  |              |     +--rw bgp:threshold?          max-prefix-threshold
     |  |  |  |  |              |     +--rw bgp:teardown?           empty
     |  |  |  |  |              |     +--rw bgp:restart-interval?   restart-interval-range
     |  |  |  |  |              +--rw bgp:neighbor-route-map
     |  |  |  |  |              |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |              |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |              |  +--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-peergroup
     |  |  |  |              +--rw bgp:limit?                 listen-limit-type
     |  |  |  +--rw bgp:ipv6
     |  |  |  |  +--rw bgp:ipv6-unicast
     |  |  |  |  |  +--rw bgp:default-vrf
     |  |  |  |  |  |  +--rw bgp:default-vrf-selected?                          empty
     |  |  |  |  |  |  +--rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder
     |  |  |  |  |  |  |  +--rw bgp:bgp-redistribute-internal?   empty
     |  |  |  |  |  |  |  +--rw bgp:redistribute
     |  |  |  |  |  |  |  |  +--rw bgp:bgp
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-bgp?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:bgp-metric?         conn-metric
     |  |  |  |  |  |  |  |  |  +--rw bgp:bgp-route-map?      rmap-type
     |  |  |  |  |  |  |  |  +--rw bgp:connected
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-connected?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:unicast-metric?           conn-metric
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-route-map?   rmap-type
     |  |  |  |  |  |  |  |  +--rw bgp:ospf
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-ospf?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:match
     |  |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-internal?    empty
     |  |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-external1?   empty
     |  |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-external2?   empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-metric?         conn-metric
     |  |  |  |  |  |  |  |  |  +--rw bgp:ospf-route-map?      rmap-type
     |  |  |  |  |  |  |  |  +--rw bgp:redistribute-isis!
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-isis-route-map?   common-def:name-
string63
     |  |  |  |  |  |  |  |  |  +--rw (bgp:ch-isis-level)?
     |  |  |  |  |  |  |  |  |  |  +--:(bgp:ca-level-1)
     |  |  |  |  |  |  |  |  |  |  |  +--rw bgp:level-1?                empty
     |  |  |  |  |  |  |  |  |  |  +--:(bgp:ca-level-2)
     |  |  |  |  |  |  |  |  |  |  |  +--rw bgp:level-2?                empty
     |  |  |  |  |  |  |  |  |  |  +--:(bgp:ca-level-1-2)
     |  |  |  |  |  |  |  |  |  |     +--rw bgp:level-1-2?               empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:redistribute-isis-metric?      conn-metric
     |  |  |  |  |  |  |  |  +--rw bgp:static
     |  |  |  |  |  |  |  |     +--rw bgp:redistribute-static?     empty
     |  |  |  |  |  |  |  |     +--rw bgp:unicast-static-metric?   conn-metric
     |  |  |  |  |  |  |  |     +--rw bgp:static-route-map?        rmap-type
     |  |  |  |  |  |  |  +--rw bgp:af-additional-paths
     |  |  |  |  |  |  |  |  +--rw bgp:addpath-txrx
     |  |  |  |  |  |  |  |  |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |  |  |  |  |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |  |  |  |  +--rw bgp:addpath-select
     |  |  |  |  |  |  |  |     +--rw bgp:addpath-sel-best?        uint8
     |  |  |  |  |  |  |  |     +--rw bgp:addpath-sel-groupbest?   empty
     |  |  |  |  |  |  |  |     +--rw bgp:addpath-sel-all?         empty
     |  |  |  |  |  |  |  +--rw bgp:advertise-best-external?     empty
     |  |  |  |  |  |  +--rw bgp:aggregate-ipv6-address* [aggregate-ip-prefix]
```

```
     |  |  |  |  |  |  |  +--rw bgp:aggregate-ip-prefix    inet:ipv6-prefix
     |  |  |  |  |  |  |  +--rw bgp:advertise-map?         advertise-map
     |  |  |  |  |  |  |  +--rw bgp:as-set?                empty
     |  |  |  |  |  |  |  +--rw bgp:attribute-map?         attribute-map
     |  |  |  |  |  |  |  +--rw bgp:summary-only?          empty
     |  |  |  |  |  |  |  +--rw bgp:suppress-map?          suppress-map
     |  |  |  |  |  |  +--rw bgp:network* [network-ipv6-address]
     |  |  |  |  |  |  |  +--rw bgp:network-ipv6-address    inet:ipv6-prefix
     |  |  |  |  |  |  |  +--rw bgp:network-weight?         absolute-decimal-number
     |  |  |  |  |  |  |  +--rw bgp:backdoor?               empty
     |  |  |  |  |  |  |  +--rw bgp:network-route-map?      rmap-type
     |  |  |  |  |  |  +--rw bgp:neighbor
     |  |  |  |  |  |  |  +--rw bgp:af-ipv6-neighbor-peergroup-holder
     |  |  |  |  |  |  |  |  +--rw bgp:af-ipv6-neighbor-peergroup* [af-ipv6-neighbor-
peergroup-name]
     |  |  |  |  |  |  |  |     +--rw bgp:af-ipv6-neighbor-peergroup-name    bgp-peergroup
     |  |  |  |  |  |  |  |     +--rw bgp:send-community
     |  |  |  |  |  |  |  |     |  +--rw bgp:send-community-status?   empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:all?                     empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:both?                    empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:extended?                empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:standard?                empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:large?                   empty
     |  |  |  |  |  |  |  |     +--rw bgp:af-neighbor-capability
     |  |  |  |  |  |  |  |     |  +--rw bgp:orf
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefixlist
     |  |  |  |  |  |  |  |     |        +--rw bgp:prefixlist-status?    empty
     |  |  |  |  |  |  |  |     |        +--rw bgp:prefixlist-send?      empty
     |  |  |  |  |  |  |  |     |        +--rw bgp:prefixlist-receive?   empty
     |  |  |  |  |  |  |  |     +--rw bgp:activate?                          empty
     |  |  |  |  |  |  |  |     +--rw bgp:allowas-in?                        uint32
     |  |  |  |  |  |  |  |     +--rw bgp:filter-list
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-in
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-
filter-name
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-out
     |  |  |  |  |  |  |  |     |     +--rw bgp:filter-list-direction-out-acl-name?   ip-
filter-name
     |  |  |  |  |  |  |  |     |     +--rw bgp:filter-list-name-direction-out?
empty
     |  |  |  |  |  |  |  |     +--rw bgp:maximum-prefix
     |  |  |  |  |  |  |  |     |  +--rw bgp:max-prefix-limit?   max-prefix-limit
     |  |  |  |  |  |  |  |     |  +--rw bgp:threshold-holder
     |  |  |  |  |  |  |  |     |     +--rw bgp:threshold?          max-prefix-threshold
     |  |  |  |  |  |  |  |     |     +--rw bgp:teardown?           empty
     |  |  |  |  |  |  |  |     |     +--rw bgp:restart-interval?   restart-interval-range
     |  |  |  |  |  |  |  |     +--rw bgp:default-originate
     |  |  |  |  |  |  |  |     |  +--rw bgp:default-originate-status?      empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:default-originate-route-map?   rmap-type
     |  |  |  |  |  |  |  |     +--rw bgp:prefix-list
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-in
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:prefix-list-direction-in-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:prefix-list-direction-in?
empty
     |  |  |  |  |  |  |  |     |  +--rw bgp:direction-out
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefix-list-direction-out?
empty
     |  |  |  |  |  |  |  |     +--rw bgp:neighbor-route-map
     |  |  |  |  |  |  |  |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?
```

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

```
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |  |  |  |     |     +--rw bgp:prefix-list-direction-out?
empty
     |  |  |  |  |  |  |  |     +--rw bgp:neighbor-route-map
     |  |  |  |  |  |  |  |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |  |  |  |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |  |  |  |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |  |  |  |  |     |     +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
     |  |  |  |  |  |  |  |     +--rw bgp:route-reflector-client?     empty
     |  |  |  |  |  |  |  |     +--rw bgp:unsuppress-map
     |  |  |  |  |  |  |  |     |  +--rw bgp:map-name?   rmap-type
     |  |  |  |  |  |  |  |     +--rw bgp:af-nei-weight?              nei-weight
     |  |  |  |  |  |  |  |     +--rw bgp:enable-peer-as-check?       empty
     |  |  |  |  |  |  |  |     +--rw bgp:announce-rpki-state?        empty
     |  |  |  |  |  |  |  |     +--rw bgp:additional-paths
     |  |  |  |  |  |  |  |        +--rw bgp:addpath-disable?     empty
     |  |  |  |  |  |  |  |        +--rw bgp:addpath-txrx
     |  |  |  |  |  |  |  |        |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |  |  |  |        |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |  |  |  |        +--rw bgp:addpath-advertise
     |  |  |  |  |  |  |  |           +--rw bgp:addpath-adv-best?        uint8
     |  |  |  |  |  |  |  |           +--rw bgp:addpath-adv-groupbest?   empty
     |  |  |  |  |  |  |  |           +--rw bgp:addpath-adv-all?         empty
     |  |  |  |  |  |  |  +--rw bgp:af-ipv6u-ipv4-attr-holder
     |  |  |  |  |  |  |     +--rw bgp:af-ipv6u-ipv4-neighbor* [af-ipv4-neighbor-address]
     |  |  |  |  |  |  |        +--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
     |  |  |  |  |  |  |        |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-
filter-name
     |  |  |  |  |  |  |        |  |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |  |  |  |        |  +--rw bgp:direction-out
     |  |  |  |  |  |  |        |     +--rw bgp:filter-list-direction-out-acl-name?   ip-
filter-name
     |  |  |  |  |  |  |        |     +--rw bgp:filter-list-name-direction-out?
empty
     |  |  |  |  |  |  |        +--rw bgp: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
     |  |  |  |  |  |  |        |     +--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:additional-paths
     |  |  |  |  |  |  |           +--rw bgp:addpath-disable?     empty
     |  |  |  |  |  |  |           +--rw bgp:addpath-txrx
     |  |  |  |  |  |  |           |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |  |  |           |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |  |  |           +--rw bgp:addpath-advertise
     |  |  |  |  |  |  |              +--rw bgp:addpath-adv-best?        uint8
     |  |  |  |  |  |  |              +--rw bgp:addpath-adv-groupbest?   empty
     |  |  |  |  |  |  |              +--rw bgp:addpath-adv-all?         empty
     |  |  |  |  |  |  +--rw bgp:af-common-cmds-holder
     |  |  |  |  |  |  |  +--rw bgp:maximum-paths
     |  |  |  |  |  |  |  |  +--rw bgp:load-sharing-value?   uint32
     |  |  |  |  |  |  |  |  +--rw bgp:ebgp?                 ebgp-paths
     |  |  |  |  |  |  |  |  +--rw bgp:ibgp?                 ibgp-paths
     |  |  |  |  |  |  |  |  +--rw bgp:use-load-sharing?     empty
     |  |  |  |  |  |  |  +--rw bgp:multipath
     |  |  |  |  |  |  |  |  +--rw bgp:multipath_ebgp?   empty
     |  |  |  |  |  |  |  |  +--rw bgp:multipath_ibgp?   empty
     |  |  |  |  |  |  |  |  +--rw bgp:multi-as?         empty
     |  |  |  |  |  |  |  +--rw bgp:always-propagate?                empty
     |  |  |  |  |  |  |  +--rw bgp:default-information-originate?   empty
     |  |  |  |  |  |  |  +--rw bgp:rib-route-limit?                 rib-route-number
     |  |  |  |  |  |  |  +--rw bgp:client-to-client-reflection?     empty
     |  |  |  |  |  |  |  +--rw bgp:dampening
     |  |  |  |  |  |  |  |  +--rw (bgp:ch-dampening-source)?
     |  |  |  |  |  |  |  |     +--:(bgp:ca-dampening-flag)
     |  |  |  |  |  |  |  |     |  +--rw bgp:dampening-flag?        empty
     |  |  |  |  |  |  |  |     +--:(bgp:ca-dampening-specify-values)
     |  |  |  |  |  |  |  |     |  +--rw bgp:values
     |  |  |  |  |  |  |  |     |     +--rw bgp:half-time?             htime
     |  |  |  |  |  |  |  |     |     +--rw bgp:reuse-value?           damp-reuse-value
     |  |  |  |  |  |  |  |     |     +--rw bgp:start-suppress-time?   damp-start-
suppress-value
     |  |  |  |  |  |  |  |     |     +--rw bgp:max-suppress-time?     damp-max-suppress-
value
     |  |  |  |  |  |  |  |     +--:(bgp:ca-dampening-route-map)
     |  |  |  |  |  |  |  |        +--rw bgp:dampening-route-map?   rmap-type
     |  |  |  |  |  |  |  +--rw bgp:default-metric?                  default-metric-number
     |  |  |  |  |  |  |  +--rw bgp:next-hop-enable-default?         empty
     |  |  |  |  |  |  |  +--rw bgp:table-map
     |  |  |  |  |  |  |  |  +--rw bgp:table-map-route-map?   rmap-type
     |  |  |  |  |  |  |  +--rw bgp:update-time?                     update-time-type
```

```
     |  |  |  |  |  |  |  +--rw bgp:graceful-restart
     |  |  |  |  |  |  |  |     +--rw bgp:graceful-restart-status?   empty
     |  |  |  |  |  |  |  |     +--rw bgp:restart-time?              rtime-type
     |  |  |  |  |  |  |  |     +--rw bgp:purge-time?                ptime-type
     |  |  |  |  |  |  |  |     +--rw bgp:stale-routes-time?         st-time-type
     |  |  |  |  |  |  |  +--rw bgp:ipv6-ucast-next-hop-recursion?              empty
     |  |  |  |  |  |  |  +--rw bgp:bestpath
     |  |  |  |  |  |  |     +--rw bgp:prefix-validation
     |  |  |  |  |  |  |        +--rw bgp:prefix-validation-disable?   empty
     |  |  |  |  |  |  |        +--rw bgp:disallow-invalid?            empty
     |  |  |  |  |  |  +--rw bgp:af-ipv6-vrf* [af-ipv6-vrf-name]
     |  |  |  |  |  |     +--rw bgp:af-ipv6-vrf-name                              string
     |  |  |  |  |  |     +--rw bgp:next-hop-recursion?                           empty
     |  |  |  |  |  |     +--rw bgp:bestpath
     |  |  |  |  |  |     |  +--rw bgp:prefix-validation
     |  |  |  |  |  |     |     +--rw bgp:prefix-validation-disable?   empty
     |  |  |  |  |  |     |     +--rw bgp:disallow-invalid?            empty
     |  |  |  |  |  |     +--rw bgp:graceful-restart-status?                      empty
     |  |  |  |  |  |     +--rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder
     |  |  |  |  |  |     |  +--rw bgp:bgp-redistribute-internal?   empty
     |  |  |  |  |  |     |  +--rw bgp:redistribute
     |  |  |  |  |  |     |  |  +--rw bgp:bgp
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-bgp?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:bgp-metric?         conn-metric
     |  |  |  |  |  |     |  |  |  +--rw bgp:bgp-route-map?      rmap-type
     |  |  |  |  |  |     |  |  +--rw bgp:connected
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-connected?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:unicast-metric?           conn-metric
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-route-map?   rmap-type
     |  |  |  |  |  |     |  |  +--rw bgp:ospf
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-ospf?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:match
     |  |  |  |  |  |     |  |  |  |  +--rw bgp:ospf-internal?    empty
     |  |  |  |  |  |     |  |  |  |  +--rw bgp:ospf-external1?   empty
     |  |  |  |  |  |     |  |  |  |  +--rw bgp:ospf-external2?   empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:ospf-metric?         conn-metric
     |  |  |  |  |  |     |  |  |  +--rw bgp:ospf-route-map?      rmap-type
     |  |  |  |  |  |     |  |  +--rw bgp:redistribute-isis!
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-isis-route-map?   common-def:name-
string63
     |  |  |  |  |  |     |  |  |  +--rw (bgp:ch-isis-level)?
     |  |  |  |  |  |     |  |  |  |  +--:(bgp:ca-level-1)
     |  |  |  |  |  |     |  |  |  |  |  +--rw bgp:level-1?                 empty
     |  |  |  |  |  |     |  |  |  |  +--:(bgp:ca-level-2)
     |  |  |  |  |  |     |  |  |  |  |  +--rw bgp:level-2?                 empty
     |  |  |  |  |  |     |  |  |  |  +--:(bgp:ca-level-1-2)
     |  |  |  |  |  |     |  |  |  |     +--rw bgp:level-1-2?              empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:redistribute-isis-metric?      conn-metric
     |  |  |  |  |  |     |  |  +--rw bgp:static
     |  |  |  |  |  |     |  |     +--rw bgp:redistribute-static?     empty
     |  |  |  |  |  |     |  |     +--rw bgp:unicast-static-metric?   conn-metric
     |  |  |  |  |  |     |  |     +--rw bgp:static-route-map?        rmap-type
     |  |  |  |  |  |     |  +--rw bgp:af-additional-paths
     |  |  |  |  |  |     |  |  +--rw bgp:addpath-txrx
     |  |  |  |  |  |     |  |  |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |  |     |  |  |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |  |     |  |  +--rw bgp:addpath-select
     |  |  |  |  |  |     |  |     +--rw bgp:addpath-sel-best?        uint8
     |  |  |  |  |  |     |  |     +--rw bgp:addpath-sel-groupbest?   empty
     |  |  |  |  |  |     |  |     +--rw bgp:addpath-sel-all?         empty
     |  |  |  |  |  |     |  +--rw bgp:advertise-best-external?     empty
     |  |  |  |  |  |     +--rw bgp:aggregate-ipv6-address* [aggregate-ip-prefix]
     |  |  |  |  |  |     |  +--rw bgp:aggregate-ip-prefix    inet:ipv6-prefix
     |  |  |  |  |  |     |  +--rw bgp:advertise-map?         advertise-map
```

```
     |  |  |  |  |     |  +--rw bgp:as-set?                empty
     |  |  |  |  |     |  +--rw bgp:attribute-map?         attribute-map
     |  |  |  |  |     |  +--rw bgp:summary-only?          empty
     |  |  |  |  |     |  +--rw bgp:suppress-map?          suppress-map
     |  |  |  |  |     +--rw bgp:network* [network-ipv6-address]
     |  |  |  |  |     |  +--rw bgp:network-ipv6-address    inet:ipv6-prefix
     |  |  |  |  |     |  +--rw bgp:network-weight?         absolute-decimal-number
     |  |  |  |  |     |  +--rw bgp:backdoor?               empty
     |  |  |  |  |     |  +--rw bgp:network-route-map?      rmap-type
     |  |  |  |  |     +--rw bgp:ipv6-listen-range* [listen-range-prefix peer-group]
     |  |  |  |  |     |  +--rw bgp:listen-range-prefix    inet:ipv6-prefix
     |  |  |  |  |     |  +--rw bgp:peer-group             bgp-peergroup
     |  |  |  |  |     |  +--rw bgp:limit?                 listen-limit-type
     |  |  |  |  |     +--rw bgp:neighbor
     |  |  |  |  |     |  +--rw bgp:af-ipv6-vrf-neighbor-address-holder
     |  |  |  |  |     |  |  +--rw bgp:af-ipv6-neighbor-addr* [af-ipv6-neighbor-address]
     |  |  |  |  |     |  |     +--rw bgp:af-ipv6-neighbor-address      inet:ipv6-address
     |  |  |  |  |     |  |     +--rw bgp:associate-peer-group?         bgp-peergroup
     |  |  |  |  |     |  |     +--rw bgp:remote-as?                    bgp-remote-as
     |  |  |  |  |     |  |     +--rw bgp:shutdown
     |  |  |  |  |     |  |     |  +--rw bgp:shutdown-status?    empty
     |  |  |  |  |     |  |     |  +--rw bgp:generate-rib-out?   empty
     |  |  |  |  |     |  |     +--rw bgp:af-vrf-neighbor-capability
     |  |  |  |  |     |  |     |  +--rw bgp:as4
     |  |  |  |  |     |  |     |  |  +--rw bgp:neighbor-as4-enable?    empty
     |  |  |  |  |     |  |     |  |  +--rw bgp:neighbor-as4-disable?   empty
     |  |  |  |  |     |  |     |  +--rw bgp:orf
     |  |  |  |  |     |  |     |     +--rw bgp:prefixlist
     |  |  |  |  |     |  |     |        +--rw bgp:prefixlist-status?    empty
     |  |  |  |  |     |  |     |        +--rw bgp:prefixlist-send?      empty
     |  |  |  |  |     |  |     |        +--rw bgp:prefixlist-receive?   empty
     |  |  |  |  |     |  |     +--rw bgp:allowas-in?                   uint32
     |  |  |  |  |     |  |     +--rw bgp:filter-list
     |  |  |  |  |     |  |     |  +--rw bgp:direction-in
     |  |  |  |  |     |  |     |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-
filter-name
     |  |  |  |  |     |  |     |  |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |  |     |  |     |  +--rw bgp:direction-out
     |  |  |  |  |     |  |     |     +--rw bgp:filter-list-direction-out-acl-name?   ip-
filter-name
     |  |  |  |  |     |  |     |     +--rw bgp:filter-list-name-direction-out?
empty
     |  |  |  |  |     |  |     +--rw bgp:maximum-prefix
     |  |  |  |  |     |  |     |  +--rw bgp:max-prefix-limit?   max-prefix-limit
     |  |  |  |  |     |  |     |  +--rw bgp:threshold-holder
     |  |  |  |  |     |  |     |     +--rw bgp:threshold?          max-prefix-threshold
     |  |  |  |  |     |  |     |     +--rw bgp:teardown?           empty
     |  |  |  |  |     |  |     |     +--rw bgp:restart-interval?   restart-interval-range
     |  |  |  |  |     |  |     +--rw bgp:default-originate
     |  |  |  |  |     |  |     |  +--rw bgp:default-originate-status?      empty
     |  |  |  |  |     |  |     |  +--rw bgp:default-originate-route-map?   rmap-type
     |  |  |  |  |     |  |     +--rw bgp:prefix-list
     |  |  |  |  |     |  |     |  +--rw bgp:direction-in
     |  |  |  |  |     |  |     |  |  +--rw bgp:prefix-list-direction-in-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |     |  |     |  |  +--rw bgp:prefix-list-direction-in?
empty
     |  |  |  |  |     |  |     |  +--rw bgp:direction-out
     |  |  |  |  |     |  |     |     +--rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter
     |  |  |  |  |     |  |     |     +--rw bgp:prefix-list-direction-out?
empty
     |  |  |  |  |     |  |     +--rw bgp:neighbor-route-map
     |  |  |  |  |     |  |     |  +--rw bgp:neighbor-route-map-direction-in
```

```
     |  |  |  |  |     |  |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |     |  |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |  |     |  |     |     +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
     |  |  |  |  |     |  |     +--rw bgp:route-reflector-client?       empty
     |  |  |  |  |     |  |     +--rw bgp:unsuppress-map
     |  |  |  |  |     |  |     |  +--rw bgp:map-name?   rmap-type
     |  |  |  |  |     |  |     +--rw bgp:af-nei-weight?                nei-weight
     |  |  |  |  |     |  |     +--rw bgp:enable-peer-as-check?         empty
     |  |  |  |  |     |  |     +--rw bgp:announce-rpki-state?          empty
     |  |  |  |  |     |  |     +--rw bgp:additional-paths
     |  |  |  |  |     |  |     |  +--rw bgp:addpath-disable?     empty
     |  |  |  |  |     |  |     |  +--rw bgp:addpath-txrx
     |  |  |  |  |     |  |     |  |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |     |  |     |  |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |     |  |     |  +--rw bgp:addpath-advertise
     |  |  |  |  |     |  |     |     +--rw bgp:addpath-adv-best?        uint8
     |  |  |  |  |     |  |     |     +--rw bgp:addpath-adv-groupbest?   empty
     |  |  |  |  |     |  |     |     +--rw bgp:addpath-adv-all?         empty
     |  |  |  |  |     |  |     +--rw bgp:maxas-limit
     |  |  |  |  |     |  |     |  +--rw bgp:in
     |  |  |  |  |     |  |     |     +--rw (bgp:ch-maxas-limit)?
     |  |  |  |  |     |  |     |        +--:(bgp:ca-maxas-limit-enable)
     |  |  |  |  |     |  |     |        |  +--rw bgp:num-as-in-as-path?     num-as-in-as-
path
     |  |  |  |  |     |  |     |        +--:(bgp:ca-maxas-limit-disable)
     |  |  |  |  |     |  |     |           +--rw bgp:maxas-limit-disable?   empty
     |  |  |  |  |     |  |     +--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 (bgp:ch-next-hop-self-type)?
     |  |  |  |  |     |  |     |     +--:(bgp:ca-next-hop-self-always)
     |  |  |  |  |     |  |     |     |  +--rw bgp:next-hop-self-always?   empty
     |  |  |  |  |     |  |     |     +--:(bgp: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 (bgp:ch-ebgp-multihop-type)?
     |  |  |  |  |     |  |     |     +--:(bgp:ca-ebgp-multihop-flag)
     |  |  |  |  |     |  |     |     |  +--rw bgp:ebgp-multihop-flag?    empty
     |  |  |  |  |     |  |     |     +--:(bgp: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 (bgp:nei-peer-dampening-source)?
     |  |  |  |  |     |  |     |     +--:(bgp:nei-ca-peer-dampening-flag)
     |  |  |  |  |     |  |     |     |  +--rw bgp:nei-peer-dampening-flag?   empty
     |  |  |  |  |     |  |     |     +--:(bgp:nei-ca-peer-dampening-specify-values)
     |  |  |  |  |     |  |     |        +--rw bgp:values
     |  |  |  |  |     |  |     |           +--rw bgp:nei-delay-hold?           nei-delay-
hold
     |  |  |  |  |     |  |     |           +--rw bgp:nei-penalty?              nei-
```

```
penalty
     |  |  |  |  |     |  |     |           +--rw bgp:nei-max-penalty?          nei-max-
penalty
     |  |  |  |  |     |  |     |           +--rw bgp:nei-stability-interval?   nei-
stability-interval
     |  |  |  |  |     |  |     +--rw bgp:remove-private-as?            empty
     |  |  |  |  |     |  |     +--rw bgp:as-override?                  empty
     |  |  |  |  |     |  |     +--rw bgp:soft-reconfiguration
     |  |  |  |  |     |  |     |  +--rw bgp:inbound?   empty
     |  |  |  |  |     |  |     +--rw bgp:static-network-edge?          empty
     |  |  |  |  |     |  |     +--rw bgp:bfd
     |  |  |  |  |     |  |     |  +--rw bgp:bfd-enable?          empty
     |  |  |  |  |     |  |     |  +--rw bgp:holdover-interval?   bfd:bfd-holdover-
interval
     |  |  |  |  |     |  |     |  +--rw bgp:interval
     |  |  |  |  |     |  |     |     +--rw bgp:min-tx?       bfd-tx-interval-type
     |  |  |  |  |     |  |     |     +--rw bgp:min-rx?       bfd-rx-interval-type
     |  |  |  |  |     |  |     |     +--rw bgp:multiplier?   bfd-multiplier-type
     |  |  |  |  |     |  |     +--rw bgp:graceful-restart
     |  |  |  |  |     |  |     |  +--rw (bgp:ch-graceful-restart-type)?
     |  |  |  |  |     |  |     |     +--:(bgp:ca-graceful-restart-disable)
     |  |  |  |  |     |  |     |     |  +--rw bgp:graceful-restart-disable?   empty
     |  |  |  |  |     |  |     |     +--:(bgp:ca-graceful-restart-status)
     |  |  |  |  |     |  |     |        +--rw bgp:graceful-restart-status?    empty
     |  |  |  |  |     |  |     +--rw bgp:update-source
     |  |  |  |  |     |  |     |  +--rw (bgp:ch-update-source)?
     |  |  |  |  |     |  |     |     +--:(bgp:ca-ipv6)
     |  |  |  |  |     |  |     |     |  +--rw bgp:sip-ipv6-address?     sip-ipv6-address
     |  |  |  |  |     |  |     |     +--:(bgp:ca-eth)
     |  |  |  |  |     |  |     |     |  +--rw bgp:ethernet-interface
     |  |  |  |  |     |  |     |     |     +--rw bgp:interface-type?   enumeration
     |  |  |  |  |     |  |     |     |     +--rw bgp:interface-name?   update-source-
ethernet-type
     |  |  |  |  |     |  |     |     +--:(bgp:ca-port-channel)
     |  |  |  |  |     |  |     |     |  +--rw bgp:port-channel?
interface:portchannel-type
     |  |  |  |  |     |  |     |     +--:(bgp:ca-loopback)
     |  |  |  |  |     |  |     |     |  +--rw bgp:loopback?             loopback-
interface
     |  |  |  |  |     |  |     |     +--:(bgp:ca-ve)
     |  |  |  |  |     |  |     |        +--rw bgp:ve-interface?         interface:ve-type
     |  |  |  |  |     |  |     +--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:af-ipv6u-vrf-ipv4-attr-holder
     |  |  |  |  |     |     +--rw bgp:af-ipv6u-ipv4-neighbor* [af-ipv4-neighbor-address]
     |  |  |  |  |     |        +--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
     |  |  |  |  |     |        |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-
filter-name
```

```
     |  |  |  |  |     |        |  |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |  |     |        |  +--rw bgp:direction-out
     |  |  |  |  |     |        |     +--rw bgp:filter-list-direction-out-acl-name?   ip-
filter-name
     |  |  |  |  |     |        |     +--rw bgp:filter-list-name-direction-out?
empty
     |  |  |  |  |     |        +--rw bgp: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
     |  |  |  |  |     |        |     +--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:additional-paths
     |  |  |  |  |     |           +--rw bgp:addpath-disable?     empty
     |  |  |  |  |     |           +--rw bgp:addpath-txrx
     |  |  |  |  |     |           |  +--rw bgp:addpath-send?      empty
     |  |  |  |  |     |           |  +--rw bgp:addpath-receive?   empty
     |  |  |  |  |     |           +--rw bgp:addpath-advertise
     |  |  |  |  |     |              +--rw bgp:addpath-adv-best?        uint8
     |  |  |  |  |     |              +--rw bgp:addpath-adv-groupbest?   empty
     |  |  |  |  |     |              +--rw bgp:addpath-adv-all?         empty
     |  |  |  |  |     +--rw bgp:maximum-paths
     |  |  |  |  |     |  +--rw bgp:load-sharing-value?   uint32
     |  |  |  |  |     |  +--rw bgp:ebgp?                 ebgp-paths
     |  |  |  |  |     |  +--rw bgp:ibgp?                 ibgp-paths
     |  |  |  |  |     |  +--rw bgp:use-load-sharing?     empty
     |  |  |  |  |     +--rw bgp:multipath
     |  |  |  |  |     |  +--rw bgp:multipath_ebgp?   empty
     |  |  |  |  |     |  +--rw bgp:multipath_ibgp?   empty
     |  |  |  |  |     |  +--rw bgp:multi-as?         empty
     |  |  |  |  |     +--rw bgp:always-propagate?                              empty
```

```
     |  |  |  |  |     +--rw bgp:default-information-originate?               empty
     |  |  |  |  |     +--rw bgp:rib-route-limit?                             rib-route-
number
     |  |  |  |  |     +--rw bgp:client-to-client-reflection?                 empty
     |  |  |  |  |     +--rw bgp:dampening
     |  |  |  |  |     |  +--rw (bgp:ch-dampening-source)?
     |  |  |  |  |     |     +--:(bgp:ca-dampening-flag)
     |  |  |  |  |     |     |  +--rw bgp:dampening-flag?        empty
     |  |  |  |  |     |     +--:(bgp:ca-dampening-specify-values)
     |  |  |  |  |     |     |  +--rw bgp:values
     |  |  |  |  |     |     |     +--rw bgp:half-time?             htime
     |  |  |  |  |     |     |     +--rw bgp:reuse-value?           damp-reuse-value
     |  |  |  |  |     |     |     +--rw bgp:start-suppress-time?   damp-start-suppress-
value
     |  |  |  |  |     |     |     +--rw bgp:max-suppress-time?     damp-max-suppress-
value
     |  |  |  |  |     |     +--:(bgp:ca-dampening-route-map)
     |  |  |  |  |     |        +--rw bgp:dampening-route-map?   rmap-type
     |  |  |  |  |     +--rw bgp:default-metric?                              default-
metric-number
     |  |  |  |  |     +--rw bgp:next-hop-enable-default?                     empty
     |  |  |  |  |     +--rw bgp:table-map
     |  |  |  |  |     |  +--rw bgp:table-map-route-map?   rmap-type
     |  |  |  |  |     +--rw bgp:update-time?                                 update-time-
type
     |  |  |  |  +--rw bgp:flowspec
     |  |  |  |  |  +--rw bgp:ipv6-flowspec-default-vrf!
     |  |  |  |  |     +--rw bgp:default-vrf-selected?          empty
     |  |  |  |  |     +--rw bgp:client-to-client-reflection?   empty
     |  |  |  |  |     +--rw bgp:distribute?                    common-def:name-string64
     |  |  |  |  |     +--rw bgp:rib-route-limit?               rib-route-number
     |  |  |  |  |     +--rw bgp:flowspec
     |  |  |  |  |     |  +--rw bgp:validation
     |  |  |  |  |     |     +--rw bgp:validation-flag?   empty
     |  |  |  |  |     |     +--rw bgp:redirect?          empty
     |  |  |  |  |     +--rw bgp:neighbor
     |  |  |  |  |        +--rw bgp:af-ipv6-neighbor-peergroup-holder
     |  |  |  |  |        |  +--rw bgp:af-ipv6-neighbor-peergroup* [af-ipv6-neighbor-
peergroup-name]
     |  |  |  |  |        |     +--rw bgp:af-ipv6-neighbor-peergroup-name    bgp-peergroup
     |  |  |  |  |        |     +--rw bgp:activate?                           empty
     |  |  |  |  |        |     +--rw bgp:allowas-in?                         uint32
     |  |  |  |  |        |     +--rw bgp:maximum-prefix
     |  |  |  |  |        |     |  +--rw bgp:max-prefix-limit?   max-prefix-limit
     |  |  |  |  |        |     |  +--rw bgp:threshold-holder
     |  |  |  |  |        |     |     +--rw bgp:threshold?          max-prefix-threshold
     |  |  |  |  |        |     |     +--rw bgp:teardown?           empty
     |  |  |  |  |        |     |     +--rw bgp:restart-interval?   restart-interval-range
     |  |  |  |  |        |     +--rw bgp:neighbor-route-map
     |  |  |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |  |        |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64
     |  |  |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |  |        |     |     +--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64
     |  |  |  |  |        |     +--rw bgp:route-reflector-client?            empty
     |  |  |  |  |        |     +--rw bgp:af-nei-weight?                     nei-weight
     |  |  |  |  |        |     +--rw bgp:flowspec
     |  |  |  |  |        |        +--rw bgp:validation
     |  |  |  |  |        |        |  +--rw bgp:validation-flag?   empty
     |  |  |  |  |        |        |  +--rw bgp:redirect?          empty
     |  |  |  |  |        |        +--rw bgp:redirect
     |  |  |  |  |        |           +--rw bgp:next-hop
     |  |  |  |  |        |              +--rw bgp:next-hop-type?     enumeration
```

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

```
     |  |  |  |           |        +--rw bgp:route-reflector-client?     empty
     |  |  |  |           |        +--rw bgp:af-nei-weight?              nei-weight
     |  |  |  |           |        +--rw bgp:flowspec
     |  |  |  |           |           +--rw bgp:validation
     |  |  |  |           |           |  +--rw bgp:validation-flag?   empty
     |  |  |  |           |           |  +--rw bgp:redirect?          empty
     |  |  |  |           |           +--rw bgp:redirect
     |  |  |  |           |              +--rw bgp:next-hop
     |  |  |  |           |                 +--rw bgp:next-hop-type?     enumeration
     |  |  |  |           |                 +--rw bgp:next-hop-holder?   enumeration
     |  |  |  |           +--rw bgp:ipv6-listen-range* [listen-range-prefix peer-group]
     |  |  |  |              +--rw bgp:listen-range-prefix    inet:ipv6-prefix
     |  |  |  |              +--rw bgp:peer-group             bgp-peergroup
     |  |  |  |              +--rw bgp:limit?                 listen-limit-type
     |  |  |  +--rw bgp:l2vpn
     |  |  |  |  +--rw bgp:evpn!
     |  |  |  |     +--rw bgp:suppress
     |  |  |  |     |  +--rw bgp:ipv4
     |  |  |  |     |     +--rw bgp:host-route?   empty
     |  |  |  |     +--rw bgp:client-to-client-reflection?   empty
     |  |  |  |     +--rw bgp:graceful-restart
     |  |  |  |     |  +--rw bgp:graceful-restart-status?   empty
     |  |  |  |     |  +--rw bgp:restart-time?              rtime-type
     |  |  |  |     |  +--rw bgp:purge-time?                ptime-type
     |  |  |  |     |  +--rw bgp:stale-routes-time?         st-time-type
     |  |  |  |     +--rw bgp:retain
     |  |  |  |     |  +--rw bgp:route-target
     |  |  |  |     |     +--rw bgp:all?   empty
     |  |  |  |     +--rw bgp:vtep-discovery?                empty
     |  |  |  |     +--rw bgp:import
     |  |  |  |     |  +--rw bgp:vpnv4
     |  |  |  |     |  |  +--rw bgp:vpnv4-unicast
     |  |  |  |     |  |     +--rw bgp:vpnv4-reoriginate?                empty
     |  |  |  |     |  |     +--rw bgp:vpnv4-uniform-path-propagation?   empty
     |  |  |  |     |  +--rw bgp:vpnv6
     |  |  |  |     |     +--rw bgp:vpnv6-unicast
     |  |  |  |     |        +--rw bgp:vpnv6-reoriginate?   empty
     |  |  |  |     +--rw bgp:neighbor
     |  |  |  |        +--rw bgp:evpn-peer-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:vpnv4
     |  |  |  |  +--rw bgp:vpnv4-unicast!
     |  |  |  |     +--rw bgp:rr-group?                          rr-group-type
     |  |  |  |     +--rw bgp:export-vrf-leaked-routes?          empty
     |  |  |  |     +--rw bgp:af-vpn-neighbor-peergroup-holder
     |  |  |  |     |  +--rw bgp:af-vpn-neighbor-peergroup* [af-vpn-neighbor-peergroup-
address]
     |  |  |  |     |     +--rw bgp:af-vpn-neighbor-peergroup-address    bgp-peergroup
     |  |  |  |     |     +--rw bgp:af-neighbor-capability
     |  |  |  |     |     |  +--rw bgp:orf
     |  |  |  |     |     |     +--rw bgp:prefix-list
     |  |  |  |     |     |     |  +--rw bgp:prefixlist-status?    empty
     |  |  |  |     |     |     |  +--rw bgp:prefixlist-send?      empty
     |  |  |  |     |     |     |  +--rw bgp:prefixlist-receive?   empty
     |  |  |  |     |     |     +--rw bgp:extended-community
     |  |  |  |     |     |        +--rw bgp:ext-community-receive?    empty
     |  |  |  |     |     |        +--rw bgp:ext-community-send-vrf?   empty
     |  |  |  |     |     +--rw bgp:send-community
     |  |  |  |     |     |  +--rw bgp:send-community-status?   empty
     |  |  |  |     |     |  +--rw bgp:all?                     empty
     |  |  |  |     |     |  +--rw bgp:both?                    empty
     |  |  |  |     |     |  +--rw bgp:extended?                empty
     |  |  |  |     |     |  +--rw bgp:standard?                empty
     |  |  |  |     |     |  +--rw bgp:large?                   empty
     |  |  |  |     |     +--rw bgp:activate?                           empty
     |  |  |  |     |     +--rw bgp:weight?                             nei-weight
     |  |  |  |     |     +--rw bgp:route-reflector-client?             empty
```

```
     |  |  |  |     |     +--rw bgp:neighbor-route-map
     |  |  |  |     |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |     |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64
     |  |  |  |     |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |     |     |     +--rw bgp:neighbor-route-map-name-direction-out?   common-
def:name-string64
     |  |  |  |     |     +--rw bgp:prefix-list
     |  |  |  |     |     |  +--rw bgp:direction-in
     |  |  |  |     |     |  |  +--rw bgp:prefix-list-direction-in-prefix-name?   nei-
prefix-list-filter
     |  |  |  |     |     |  |  +--rw bgp:prefix-list-direction-in?               empty
     |  |  |  |     |     |  +--rw bgp:direction-out
     |  |  |  |     |     |     +--rw bgp:prefix-list-direction-out-prefix-name?   nei-
prefix-list-filter
     |  |  |  |     |     |     +--rw bgp:prefix-list-direction-out?               empty
     |  |  |  |     |     +--rw bgp:filter-list
     |  |  |  |     |        +--rw bgp:direction-in
     |  |  |  |     |        |  +--rw bgp:filter-list-direction-in-acl-name?   ip-filter-
name
     |  |  |  |     |        |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |     |        +--rw bgp:direction-out
     |  |  |  |     |           +--rw bgp:filter-list-direction-out-acl-name?   ip-filter-
name
     |  |  |  |     |           +--rw bgp:filter-list-name-direction-out?       empty
     |  |  |  |     +--rw bgp:af-vpnv4-neighbor-address-holder
     |  |  |  |     |  +--rw bgp:af-vpnv4-neighbor* [af-vpnv4-neighbor-address]
     |  |  |  |     |     +--rw bgp:af-vpnv4-neighbor-address    inet:ipv4-address
     |  |  |  |     |     +--rw bgp:af-neighbor-capability
     |  |  |  |     |     |  +--rw bgp:orf
     |  |  |  |     |     |     +--rw bgp:prefix-list
     |  |  |  |     |     |     |  +--rw bgp:prefixlist-status?    empty
     |  |  |  |     |     |     |  +--rw bgp:prefixlist-send?      empty
     |  |  |  |     |     |     |  +--rw bgp:prefixlist-receive?   empty
     |  |  |  |     |     |     +--rw bgp:extended-community
     |  |  |  |     |     |        +--rw bgp:ext-community-receive?    empty
     |  |  |  |     |     |        +--rw bgp:ext-community-send-vrf?   empty
     |  |  |  |     |     +--rw bgp:send-community
     |  |  |  |     |     |  +--rw bgp:send-community-status?   empty
     |  |  |  |     |     |  +--rw bgp:all?                     empty
     |  |  |  |     |     |  +--rw bgp:both?                    empty
     |  |  |  |     |     |  +--rw bgp:extended?                empty
     |  |  |  |     |     |  +--rw bgp:standard?                empty
     |  |  |  |     |     |  +--rw bgp:large?                   empty
     |  |  |  |     |     +--rw bgp:activate?                    empty
     |  |  |  |     |     +--rw bgp:weight?                      nei-weight
     |  |  |  |     |     +--rw bgp:route-reflector-client?      empty
     |  |  |  |     |     +--rw bgp:neighbor-route-map
     |  |  |  |     |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |  |     |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64
     |  |  |  |     |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |  |     |     |     +--rw bgp:neighbor-route-map-name-direction-out?   common-
def:name-string64
     |  |  |  |     |     +--rw bgp:prefix-list
     |  |  |  |     |     |  +--rw bgp:direction-in
     |  |  |  |     |     |  |  +--rw bgp:prefix-list-direction-in-prefix-name?   nei-
prefix-list-filter
     |  |  |  |     |     |  |  +--rw bgp:prefix-list-direction-in?               empty
     |  |  |  |     |     |  +--rw bgp:direction-out
     |  |  |  |     |     |     +--rw bgp:prefix-list-direction-out-prefix-name?   nei-
prefix-list-filter
     |  |  |  |     |     |     +--rw bgp:prefix-list-direction-out?               empty
     |  |  |  |     |     +--rw bgp:filter-list
```

```
     |  |  |  |     |        +--rw bgp:direction-in
     |  |  |  |     |        |  +--rw bgp:filter-list-direction-in-acl-name?   ip-filter-
name
     |  |  |  |     |        |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |  |     |        +--rw bgp:direction-out
     |  |  |  |     |           +--rw bgp:filter-list-direction-out-acl-name?   ip-filter-
name
     |  |  |  |     |           +--rw bgp:filter-list-name-direction-out?       empty
     |  |  |  |     +--rw bgp:import
     |  |  |  |        +--rw bgp:l2vpn
     |  |  |  |           +--rw bgp:evpn
     |  |  |  |              +--rw bgp:vpnv4-evpn-reoriginate?                empty
     |  |  |  |              +--rw bgp:vpnv4-evpn-uniform-path-propagation?   empty
     |  |  |  +--rw bgp:vpnv6
     |  |  |     +--rw bgp:vpnv6-unicast!
     |  |  |        +--rw bgp:rr-group?                            rr-group-type
     |  |  |        +--rw bgp:export-vrf-leaked-routes?            empty
     |  |  |        +--rw bgp:af-vpn-neighbor-peergroup-holder
     |  |  |        |  +--rw bgp:af-vpn-neighbor-peergroup* [af-vpn-neighbor-peergroup-
address]
     |  |  |        |     +--rw bgp:af-vpn-neighbor-peergroup-address    bgp-peergroup
     |  |  |        |     +--rw bgp:af-neighbor-capability
     |  |  |        |     |  +--rw bgp:orf
     |  |  |        |     |     +--rw bgp:prefix-list
     |  |  |        |     |     |  +--rw bgp:prefixlist-status?    empty
     |  |  |        |     |     |  +--rw bgp:prefixlist-send?      empty
     |  |  |        |     |     |  +--rw bgp:prefixlist-receive?   empty
     |  |  |        |     |     +--rw bgp:extended-community
     |  |  |        |     |        +--rw bgp:ext-community-receive?    empty
     |  |  |        |     |        +--rw bgp:ext-community-send-vrf?   empty
     |  |  |        |     +--rw bgp:send-community
     |  |  |        |     |  +--rw bgp:send-community-status?   empty
     |  |  |        |     |  +--rw bgp:all?                     empty
     |  |  |        |     |  +--rw bgp:both?                    empty
     |  |  |        |     |  +--rw bgp:extended?                empty
     |  |  |        |     |  +--rw bgp:standard?                empty
     |  |  |        |     |  +--rw bgp:large?                   empty
     |  |  |        |     +--rw bgp:activate?                             empty
     |  |  |        |     +--rw bgp:weight?                               nei-weight
     |  |  |        |     +--rw bgp:route-reflector-client?               empty
     |  |  |        |     +--rw bgp:neighbor-route-map
     |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |        |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64
     |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |        |     |     +--rw bgp:neighbor-route-map-name-direction-out?   common-
def:name-string64
     |  |  |        |     +--rw bgp:prefix-list
     |  |  |        |     |  +--rw bgp:direction-in
     |  |  |        |     |  |  +--rw bgp:prefix-list-direction-in-prefix-name?   nei-
prefix-list-filter
     |  |  |        |     |  |  +--rw bgp:prefix-list-direction-in?               empty
     |  |  |        |     |  +--rw bgp:direction-out
     |  |  |        |     |     +--rw bgp:prefix-list-direction-out-prefix-name?   nei-
prefix-list-filter
     |  |  |        |     |     +--rw bgp:prefix-list-direction-out?               empty
     |  |  |        |     +--rw bgp:filter-list
     |  |  |        |        +--rw bgp:direction-in
     |  |  |        |        |  +--rw bgp:filter-list-direction-in-acl-name?   ip-filter-
name
     |  |  |        |        |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |        |        +--rw bgp:direction-out
     |  |  |        |           +--rw bgp:filter-list-direction-out-acl-name?   ip-filter-
name
```

```
     |  |  |        |           +--rw bgp:filter-list-name-direction-out?       empty
     |  |  |        +--rw bgp:af-vpnv6-neighbor-address-holder
     |  |  |        |  +--rw bgp:af-vpnv6-neighbor* [af-vpnv6-neighbor-address]
     |  |  |        |     +--rw bgp:af-vpnv6-neighbor-address    inet:ipv4-address
     |  |  |        |     +--rw bgp:af-neighbor-capability
     |  |  |        |     |  +--rw bgp:orf
     |  |  |        |     |     +--rw bgp:prefix-list
     |  |  |        |     |     |  +--rw bgp:prefixlist-status?    empty
     |  |  |        |     |     |  +--rw bgp:prefixlist-send?      empty
     |  |  |        |     |     |  +--rw bgp:prefixlist-receive?   empty
     |  |  |        |     |     +--rw bgp:extended-community
     |  |  |        |     |        +--rw bgp:ext-community-receive?    empty
     |  |  |        |     |        +--rw bgp:ext-community-send-vrf?   empty
     |  |  |        |     +--rw bgp:send-community
     |  |  |        |     |  +--rw bgp:send-community-status?   empty
     |  |  |        |     |  +--rw bgp:all?                     empty
     |  |  |        |     |  +--rw bgp:both?                    empty
     |  |  |        |     |  +--rw bgp:extended?                empty
     |  |  |        |     |  +--rw bgp:standard?                empty
     |  |  |        |     |  +--rw bgp:large?                   empty
     |  |  |        |     +--rw bgp:activate?                    empty
     |  |  |        |     +--rw bgp:weight?                      nei-weight
     |  |  |        |     +--rw bgp:route-reflector-client?      empty
     |  |  |        |     +--rw bgp:neighbor-route-map
     |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-in
     |  |  |        |     |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64
     |  |  |        |     |  +--rw bgp:neighbor-route-map-direction-out
     |  |  |        |     |     +--rw bgp:neighbor-route-map-name-direction-out?   common-
def:name-string64
     |  |  |        |     +--rw bgp:prefix-list
     |  |  |        |     |  +--rw bgp:direction-in
     |  |  |        |     |  |  +--rw bgp:prefix-list-direction-in-prefix-name?   nei-
prefix-list-filter
     |  |  |        |     |  |  +--rw bgp:prefix-list-direction-in?               empty
     |  |  |        |     |  +--rw bgp:direction-out
     |  |  |        |     |     +--rw bgp:prefix-list-direction-out-prefix-name?   nei-
prefix-list-filter
     |  |  |        |     |     +--rw bgp:prefix-list-direction-out?               empty
     |  |  |        |     +--rw bgp:filter-list
     |  |  |        |        +--rw bgp:direction-in
     |  |  |        |        |  +--rw bgp:filter-list-direction-in-acl-name?   ip-filter-
name
     |  |  |        |        |  +--rw bgp:filter-list-name-direction-in?       empty
     |  |  |        |        +--rw bgp:direction-out
     |  |  |        |           +--rw bgp:filter-list-direction-out-acl-name?   ip-filter-
name
     |  |  |        |           +--rw bgp:filter-list-name-direction-out?       empty
     |  |  |        +--rw bgp:import
     |  |  |           +--rw bgp:l2vpn
     |  |  |              +--rw bgp:evpn
     |  |  |                 +--rw bgp:vpnv6-evpn-reoriginate?   empty
     |  |  +--rw bgp:rpki
     |  |     +--rw bgp:rpki-priority* [priority-num]
     |  |        +--rw bgp:priority-num    rpki-priority-num
     |  |        +--rw bgp:server
     |  |           +--rw bgp:rpki-ssh-server
     |  |           |  +--rw bgp:rpki-cache-ssh-server-name
     |  |           |  |  +--rw bgp:ssh-server-name* [rpki-ssh-server-name]
     |  |           |  |     +--rw bgp:rpki-ssh-server-name    bgp-peergroup
     |  |           |  |     +--rw bgp:rpki-ssh-server-port
     |  |           |  |        +--rw bgp:rpki-ssh-server-port?           uint32
     |  |           |  |        +--rw bgp:rpki-ssh-server-username?       string
     |  |           |  |        +--rw bgp:rpki-ssh-server-password-file?   string
```

```
|  |           |  +--rw bgp:rpki-cache-ssh-server-ip
|  |           |  |  +--rw bgp:ssh-server-ip* [rpki-ssh-server-ip]
|  |           |  |     +--rw bgp:rpki-ssh-server-ip      inet:ipv4-address
|  |           |  |     +--rw bgp:rpki-ssh-server-port
|  |           |  |        +--rw bgp:rpki-ssh-server-port?            uint32
|  |           |  |        +--rw bgp:rpki-ssh-server-username?        string
|  |           |  |        +--rw bgp:rpki-ssh-server-password-file?   string
|  |           |  +--rw bgp:rpki-cache-ssh-server-ipv6
|  |           |     +--rw bgp:ssh-server-ipv6* [rpki-ssh-server-ipv6]
|  |           |        +--rw bgp:rpki-ssh-server-ipv6    inet:ipv6-address
|  |           |        +--rw bgp:rpki-ssh-server-port
|  |           |           +--rw bgp:rpki-ssh-server-port?            uint32
|  |           |           +--rw bgp:rpki-ssh-server-username?        string
|  |           |           +--rw bgp:rpki-ssh-server-password-file?   string
|  |           +--rw bgp:rpki-tcp-server
|  |              +--rw bgp:rpki-cache-tcp-server-name
|  |              |  +--rw bgp:tcp-server-name* [rpki-tcp-server-name]
|  |              |     +--rw bgp:rpki-tcp-server-name    bgp-peergroup
|  |              |     +--rw bgp:rpki-tcp-server-port?   uint32
|  |              +--rw bgp:rpki-cache-tcp-server-ip
|  |              |  +--rw bgp:tcp-server-ip* [rpki-tcp-server-ip]
|  |              |     +--rw bgp:rpki-tcp-server-ip      inet:ipv4-address
|  |              |     +--rw bgp:rpki-tcp-server-port?   uint32
|  |              +--rw bgp:rpki-cache-tcp-server-ipv6
|  |                 +--rw bgp:tcp-server-ipv6* [rpki-tcp-server-ipv6]
|  |                    +--rw bgp:rpki-tcp-server-ipv6    inet:ipv6-address
|  |                    +--rw bgp:rpki-tcp-server-port?   uint32
|  +--rw isis:isis!
|  |  +--rw isis:router-isis-cmds-holder
|  |     +--rw isis:net* [net-cmd]
|  |     |  +--rw isis:net-cmd    net-type
|  |     +--rw isis:router-isis-attributes
|  |     |  +--rw isis:auth-check
|  |     |  |  +--rw isis:auth-check-level1
|  |     |  |  |  +--rw isis:auth-check-level1-disable?   empty
|  |     |  |  +--rw isis:auth-check-level2
|  |     |  |     +--rw isis:auth-check-level2-disable?   empty
|  |     |  +--rw isis:auth-mode
|  |     |  |  +--rw isis:md5
|  |     |  |     +--rw isis:auth-mode-md5-level1?   empty
|  |     |  |     +--rw isis:auth-mode-md5-level2?   empty
|  |     |  +--rw isis:auth-key
|  |     |  |  +--rw isis:auth-key-level1-str?   string
|  |     |  |  +--rw isis:auth-key-level2-str?   string
|  |     |  +--rw isis:bfd
|  |     |  |  +--rw isis:bfd-global-enable?       empty
|  |     |  |  +--rw isis:bfd-holdover-interval?   uint16
|  |     |  +--rw isis:csnp-interval?                 uint32
|  |     |  +--rw isis:disable-inc-stct-spf-opt?      empty
|  |     |  +--rw isis:disable-incremental-spf-opt?   empty
|  |     |  +--rw isis:disable-partial-spf-opt?       empty
|  |     |  +--rw isis:fast-flood!
|  |     |  |  +--rw isis:fast-flood-value?   uint32
|  |     |  +--rw isis:graceful-restart
|  |     |  |  +--rw isis:gr-helper-disable?   empty
|  |     |  +--rw isis:hello
|  |     |  |  +--rw isis:padding
|  |     |  |     +--rw isis:hello-padding-point-to-point
|  |     |  |     |  +--rw isis:hello-padding-ptp-disable?   empty
|  |     |  |     +--rw isis:hello-padding-disable?          empty
|  |     |  +--rw isis:hostname
|  |     |  |  +--rw isis:hostname-disable?   empty
|  |     |  +--rw isis:is-type?                       enumeration
|  |     |  +--rw isis:log
```

```
|  |     |  |  +--rw isis:adjacency?             empty
|  |     |  |  +--rw isis:invalid-lsp-packets?   empty
|  |     |  +--rw isis:lsp-gen-interval?              uint32
|  |     |  +--rw isis:lsp-interval?                  uint32
|  |     |  +--rw isis:lsp-refresh-interval?          uint32
|  |     |  +--rw isis:max-lsp-lifetime?              uint32
|  |     |  +--rw isis:nonstop-routing?               empty
|  |     |  +--rw isis:partial-spf-interval
|  |     |  |  +--rw isis:pspf-max-hold-time?   uint32
|  |     |  |  +--rw isis:pspf-init-delay?      uint32
|  |     |  |  +--rw isis:pspf-hold-time?       uint32
|  |     |  +--rw isis:retransmit-interval?           uint32
|  |     |  +--rw isis:set-debug
|  |     |  |  +--rw isis:nsr?   empty
|  |     |  +--rw isis:set-overload-bit!
|  |     |  |  +--rw isis:on-startup
|  |     |  |     +--rw (isis:ch-on-startup)?
|  |     |  |        +--:(isis:ca-on-startup)
|  |     |  |        |  +--rw isis:on-startup-overloadtime?   uint32
|  |     |  |        +--:(isis:ca-on-startup-wfbgp)
|  |     |  |           +--rw isis:wait-for-bgp!
|  |     |  |              +--rw isis:wait-for-bgp-value?   uint32
|  |     |  +--rw isis:spf-interval* [spf-interval-level]
|  |     |  |  +--rw isis:spf-interval-level            enumeration
|  |     |  |  +--rw isis:spf-interval-max-hold-time?   uint32
|  |     |  |  +--rw isis:spf-interval-initial-delay?   uint32
|  |     |  |  +--rw isis:spf-interval-hold-time?       uint32
|  |     |  +--rw isis:reverse-metric!
|  |     |     +--rw isis:reverse_metric_tlv
|  |     |     |  +--rw isis:rev-metric-tlv-type?   uint16
|  |     |     +--rw isis:rev-metric-common-attributes
|  |     |        +--rw isis:rev-metric-val?             uint32
|  |     |        +--rw isis:rev-metric-whole-lan?       empty
|  |     |        +--rw isis:rev-metric-te-def-metric?   empty
|  |     +--rw isis:address-family
|  |        +--rw isis:ipv4
|  |        |  +--rw isis:af-ipv4-unicast!
|  |        |     +--rw isis:af-ipv4-attributes
|  |        |        +--rw isis:metric-style
|  |        |        |  +--rw isis:wide
|  |        |        |     +--rw isis:metric-style-wide-level1?   empty
|  |        |        |     +--rw isis:metric-style-wide-level2?   empty
|  |        |        +--rw isis:summary-address* [summary-ip summary-ip-mask]
|  |        |        |  +--rw isis:summary-ip           inet:ipv4-address
|  |        |        |  +--rw isis:summary-ip-mask      inet:ipv4-address
|  |        |        |  +--rw isis:summary-ip-level1?   empty
|  |        |        |  +--rw isis:summary-ip-level2?   empty
|  |        |        +--rw isis:ldp-sync!
|  |        |        |  +--rw isis:ldp-sync-hold-down?   uint32
|  |        |        +--rw isis:default-link-metric
|  |        |        |  +--rw isis:default-link-metric-level1?   uint32
|  |        |        |  +--rw isis:default-link-metric-level2?   uint32
|  |        |        +--rw isis:segment-routing
|  |        |        |  +--rw isis:segment-routing-level1!
|  |        |        |  |  +--rw isis:srgb
|  |        |        |  |     +--rw isis:level1-srgb-lower-bound?   uint32
|  |        |        |  |     +--rw isis:level1-srgb-upper-bound?   uint32
|  |        |        |  +--rw isis:segment-routing-level2!
|  |        |        |     +--rw isis:srgb
|  |        |        |        +--rw isis:level2-srgb-lower-bound?   uint32
|  |        |        |        +--rw isis:level2-srgb-upper-bound?   uint32
|  |        |        +--rw isis:af-common-attributes
|  |        |           +--rw isis:default-information-originate!
|  |        |           |  +--rw isis:default-information-originate-route-map?
```

```
string
     |  |        |           +--rw isis:default-metric?                uint32
     |  |        |           +--rw isis:distance?                      uint32
     |  |        |           +--rw isis:maximum-paths?                 uint32
     |  |        |           +--rw isis:redistribute
     |  |        |              +--rw isis:connected!
     |  |        |              |  +--rw isis:connected-metric?          conn-metric
     |  |        |              |  +--rw isis:connected-route-map?       rmap-type
     |  |        |              |  +--rw (isis:ch-connected-levels)?
     |  |        |              |  |  +--:(isis:ca-connected-level1)
     |  |        |              |  |  |  +--rw isis:connected-level1?    empty
     |  |        |              |  |  +--:(isis:ca-connected-level2)
     |  |        |              |  |  |  +--rw isis:connected-level2?    empty
     |  |        |              |  |  +--:(isis: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 (isis:ch-ospf-levels)?
     |  |        |              |  |  +--:(isis:ca-ospf-level1)
     |  |        |              |  |  |  +--rw isis:ospf-level1?    empty
     |  |        |              |  |  +--:(isis:ca-ospf-level2)
     |  |        |              |  |  |  +--rw isis:ospf-level2?    empty
     |  |        |              |  |  +--:(isis: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 (isis:ch-static-levels)?
     |  |        |              |  |  +--:(isis:ca-static-level1)
     |  |        |              |  |  |  +--rw isis:static-level1?    empty
     |  |        |              |  |  +--:(isis:ca-static-level2)
     |  |        |              |  |  |  +--rw isis:static-level2?    empty
     |  |        |              |  |  +--:(isis: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 (isis:ch-bgp-levels)?
     |  |        |              |  |  +--:(isis:ca-bgp-level1)
     |  |        |              |  |  |  +--rw isis:bgp-level1?    empty
     |  |        |              |  |  +--:(isis:ca-bgp-level2)
     |  |        |              |  |  |  +--rw isis:bgp-level2?    empty
     |  |        |              |  |  +--:(isis:ca-bgp-level12)
     |  |        |              |  |     +--rw isis:bgp-level12?   empty
     |  |        |              |  +--rw isis:bgp-metric-type?     is-metric-type-t
     |  |        |              +--rw isis:isis
     |  |        |                 +--rw isis:level-1
     |  |        |                 |  +--rw isis:into
     |  |        |                 |     +--rw isis:level1-into-level2
     |  |        |                 |        +--rw (isis:ch-prefix-list-level1-disable)?
     |  |        |                 |           +--:(isis:ca-prefix-list-level1)
     |  |        |                 |           |  +--rw isis:prefix-list-
level1?          string
     |  |        |                 |           +--:(isis:ca-leve11-into-level2-disable)
     |  |        |                 |              +--rw isis:level1-into-level2-
```

```
disable?   empty
     |  |        |                +--rw isis:level-2
     |  |        |                   +--rw isis:into
     |  |        |                      +--rw isis:level2-into-level1!
     |  |        |                         +--rw isis:prefix-list-level2?   string
     |  |        +--rw isis:ipv6
     |  |           +--rw isis:af-ipv6-unicast!
     |  |              +--rw isis:af-ipv6-attributes
     |  |                 +--rw isis:disable-adjacency-check?    empty
     |  |                 +--rw isis:summary-prefix* [summary-prefix-ipv6]
     |  |                 |  +--rw isis:summary-prefix-ipv6      common-def:ipv6-address-
prefix
     |  |                 |  +--rw isis:summary-prefix-level1?   empty
     |  |                 |  +--rw isis:summary-prefix-level2?   empty
     |  |                 +--rw isis:ipv6-default-link-metric
     |  |                 |  +--rw isis:ipv6-default-link-metric-level1?   uint32
     |  |                 |  +--rw isis:ipv6-default-link-metric-level2?   uint32
     |  |                 +--rw isis:multi-topology!
     |  |                 |  +--rw isis:multi-topology-transition?   empty
     |  |                 +--rw isis:spf6-interval* [spf6-interval-level]
     |  |                 |  +--rw isis:spf6-interval-level            enumeration
     |  |                 |  +--rw isis:spf6-interval-max-hold-time?   uint32
     |  |                 |  +--rw isis:spf6-interval-initial-delay?   uint32
     |  |                 |  +--rw isis:spf6-interval-hold-time?       uint32
     |  |                 +--rw isis:partial6-spf-interval
     |  |                 |  +--rw isis:pspf6-max-hold-time?   uint32
     |  |                 |  +--rw isis:pspf6-init-delay?      uint32
     |  |                 |  +--rw isis:pspf6-hold-time?       uint32
     |  |                 +--rw isis:af-common-attributes
     |  |                    +--rw isis:default-information-originate!
     |  |                    |  +--rw isis:default-information-originate-route-map?
string
     |  |                    +--rw isis:default-metric?                  uint32
     |  |                    +--rw isis:distance?                        uint32
     |  |                    +--rw isis:maximum-paths?                   uint32
     |  |                    +--rw isis:redistribute
     |  |                       +--rw isis:connected!
     |  |                       |  +--rw isis:connected-metric?          conn-metric
     |  |                       |  +--rw isis:connected-route-map?       rmap-type
     |  |                       |  +--rw (isis:ch-connected-levels)?
     |  |                       |  |  +--:(isis:ca-connected-level1)
     |  |                       |  |  |  +--rw isis:connected-level1?    empty
     |  |                       |  |  +--:(isis:ca-connected-level2)
     |  |                       |  |  |  +--rw isis:connected-level2?    empty
     |  |                       |  |  +--:(isis: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 (isis:ch-ospf-levels)?
     |  |                       |  |  +--:(isis:ca-ospf-level1)
     |  |                       |  |  |  +--rw isis:ospf-level1?    empty
     |  |                       |  |  +--:(isis:ca-ospf-level2)
     |  |                       |  |  |  +--rw isis:ospf-level2?    empty
     |  |                       |  |  +--:(isis: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 (isis:ch-static-levels)?
     |  |                       |  |  +--:(isis:ca-static-level1)
     |  |                       |  |  |  +--rw isis:static-level1?    empty
     |  |                       |  |  +--:(isis:ca-static-level2)
     |  |                       |  |  |  +--rw isis:static-level2?    empty
     |  |                       |  |  +--:(isis: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 (isis:ch-bgp-levels)?
     |  |                       |  |  +--:(isis:ca-bgp-level1)
     |  |                       |  |  |  +--rw isis:bgp-level1?    empty
     |  |                       |  |  +--:(isis:ca-bgp-level2)
     |  |                       |  |  |  +--rw isis:bgp-level2?    empty
     |  |                       |  |  +--:(isis:ca-bgp-level12)
     |  |                       |  |     +--rw isis:bgp-level12?   empty
     |  |                       |  +--rw isis:bgp-metric-type?     is-metric-type-t
     |  |                       +--rw isis:isis
     |  |                          +--rw isis:level-1
     |  |                          |  +--rw isis:into
     |  |                          |     +--rw isis:level1-into-level2
     |  |                          |        +--rw (isis:ch-prefix-list-level1-disable)?
     |  |                          |           +--:(isis:ca-prefix-list-level1)
     |  |                          |           |  +--rw isis:prefix-list-
level1?           string
     |  |                          |           +--:(isis:ca-leve11-into-level2-disable)
     |  |                          |              +--rw isis:level1-into-level2-
disable?   empty
     |  |                          +--rw isis:level-2
     |  |                             +--rw isis:into
     |  |                                +--rw isis:level2-into-level1!
     |  |                                   +--rw isis:prefix-list-level2?   string
     |  +--rw ospf:ospf* [vrf]
     |  |  +--rw ospf:vrf                              common-def:vrf-name
     |  |  +--rw ospf:database-overflow-interval?      common-def:time-interval-sec
     |  |  +--rw ospf:default-information-originate!
     |  |  |  +--rw ospf:always?                 empty
     |  |  |  +--rw ospf:def-orig-metric?        uint32
     |  |  |  +--rw ospf:def-orig-metric-type?   metric-type
     |  |  |  +--rw ospf:def-orig-route-map?     string
     |  |  +--rw ospf:default-passive-interface?       empty
     |  |  +--rw ospf:default-metric?                  uint32
     |  |  +--rw ospf:ldp-sync!
     |  |  |  +--rw ospf:ldp-sync-hold-down?   uint32
     |  |  +--rw ospf:external-lsdb-limit?             uint32
     |  |  +--rw ospf:log
     |  |  |  +--rw ospf:adjacency!
     |  |  |  |  +--rw ospf:dr-only?   empty
     |  |  |  +--rw ospf:log-all?          empty
     |  |  |  +--rw ospf:bad-packet!
     |  |  |  |  +--rw ospf:log-checksum?   empty
     |  |  |  +--rw ospf:log-database?     empty
     |  |  |  +--rw ospf:log-retransmit?   empty
     |  |  +--rw ospf:ospf-metric-type?                metric-type
     |  |  +--rw ospf:neighbor* [neighbor-addr]
     |  |  |  +--rw ospf:neighbor-addr    ospf-ipv4-address
     |  |  +--rw ospf:redistribute
     |  |  |  +--rw ospf:connected!
     |  |  |  |  +--rw ospf:connected-route-map?   common-def:name-string63
     |  |  |  +--rw ospf:static!
```

```
|  |  |  |  +--rw ospf:static-route-map?   common-def:name-string63
|  |  |  +--rw ospf:bgp!
|  |  |  |  +--rw ospf:bgp-route-map?   common-def:name-string63
|  |  |  +--rw ospf:redistribute-ospf!
|  |  |  |  +--rw ospf:ospf-route-map?   common-def:name-string63
|  |  |  +--rw ospf:isis
|  |  |     +--rw (ospf:ch-isis-level)?
|  |  |     |  +--:(ospf:ca-level-1)
|  |  |     |  |  +--rw ospf:isis-level-one?           empty
|  |  |     |  +--:(ospf:ca-level-2)
|  |  |     |  |  +--rw ospf:isis-level-two?           empty
|  |  |     |  +--:(ospf:ca-level-1-2)
|  |  |     |     +--rw ospf:isis-level-one-and-two?   empty
|  |  |     +--rw ospf:isis-route-map?                 common-def:name-string63
|  |  +--rw ospf:rfc1583-compatibility!
|  |  |  +--rw ospf:rfc1583-compatibility-flag?   empty
|  |  +--rw ospf:area* [area-id]
|  |  |  +--rw ospf:area-id         ospf-area-id
|  |  |  +--rw ospf:normal?         empty
|  |  |  +--rw ospf:nssa
|  |  |  |  +--rw ospf:metric
|  |  |  |  |  +--rw ospf:nssa-value?    big-metric
|  |  |  |  |  +--rw ospf:no-summary1?   empty
|  |  |  |  +--rw ospf:default-information-originate?   empty
|  |  |  +--rw ospf:stub
|  |  |  |  +--rw ospf:metric
|  |  |  |     +--rw ospf:stub-value?   big-metric
|  |  |  |     +--rw ospf:no-summary?   empty
|  |  |  +--rw ospf:range* [range-address range-mask]
|  |  |  |  +--rw ospf:range-address    inet:ipv4-address
|  |  |  |  +--rw ospf:range-mask       inet:ipv4-address
|  |  |  |  +--rw ospf:range-effect?    enumeration
|  |  |  |  +--rw ospf:range-cost?      range-metric
|  |  |  +--rw ospf:prefix-list
|  |  |  |  +--rw ospf:direction-in
|  |  |  |  |  +--rw ospf:prefix-list-direction-in-prefix-name?   ipv4-prefix-name-t
|  |  |  |  |  +--rw ospf:prefix-list-direction-in?               empty
|  |  |  |  +--rw ospf:direction-out
|  |  |  |     +--rw ospf:prefix-list-direction-out-prefix-name?   ipv4-prefix-name-t
|  |  |  |     +--rw ospf:prefix-list-direction-out?               empty
|  |  |  +--rw ospf:virtual-link* [virt-link-neighbor]
|  |  |     +--rw ospf:virt-link-neighbor     inet:ipv4-address
|  |  |     +--rw ospf:authentication-key
|  |  |     |  +--rw ospf:no-encrypt-auth-key-table
|  |  |     |  |  +--rw ospf:no-encrypt-auth-key?   ospf-auth-psswd-string
|  |  |     |  +--rw ospf:auth-key-table
|  |  |     |     +--rw ospf:encrypttype?   key-type
|  |  |     |     +--rw ospf:auth-key?      ospf-auth-psswd-string
|  |  |     +--rw ospf:authentication
|  |  |     |  +--rw ospf:key-chain?   ospf-keychain-string
|  |  |     +--rw ospf:hello-interval?        common-def:time-interval-sec
|  |  |     +--rw ospf:dead-interval?         common-def:time-interval-sec
|  |  |     +--rw ospf:retransmit-interval?   common-def:time-interval-sec
|  |  |     +--rw ospf:transmit-delay?        common-def:time-interval-sec
|  |  |     +--rw ospf:md5-authentication
|  |  |        +--rw ospf:key-activation-wait-time?   common-def:time-interval-sec
|  |  |        +--rw ospf:no-encrypt-key-table
|  |  |        |  +--rw ospf:no-encrypt-key-id?   uint32
|  |  |        |  +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string
|  |  |        +--rw ospf:key-table
|  |  |           +--rw ospf:key-id?                   uint32
|  |  |           +--rw ospf:key?                      key-type
|  |  |           +--rw ospf:md5-authentication-key?   ospf-auth-psswd-string
|  |  +--rw ospf:auto-cost
```

```
|  |  |  +--rw ospf:reference-bandwidth
|  |  |     +--rw ospf:ref-bandwidth?      band-width
|  |  |     +--rw ospf:use-active-ports?   empty
|  |  +--rw ospf:distance* [route-type]
|  |  |  +--rw ospf:route-type    route-type-enum
|  |  |  +--rw ospf:dist-value    uint32
|  |  +--rw ospf:distribute-list
|  |  |  +--rw ospf:route-map
|  |  |     +--rw ospf:route-map?   common-def:name-string63
|  |  |     +--rw ospf:input?       empty
|  |  +--rw ospf:max-metric
|  |  |  +--rw ospf:router-lsa!
|  |  |     +--rw ospf:all-vrfs?       empty
|  |  |     +--rw ospf:all-lsas?       empty
|  |  |     +--rw ospf:external-lsa!
|  |  |     |  +--rw ospf:external-lsa-val?   uint32
|  |  |     +--rw ospf:summary-lsa!
|  |  |     |  +--rw ospf:summary-lsa-val?   uint32
|  |  |     +--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 (ospfv3:ch-algorithm)?
     |  |  |  |  |        +--:(ospfv3:ca-ah-algorithm)
     |  |  |  |  |        |  +--rw ospfv3:ah?             algorithm-type-ah
     |  |  |  |  |        |  +--rw ospfv3:ah-key?         ipsec-authentication-hexkey-
string
     |  |  |  |  |        +--:(ospfv3: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 (ospfv3:ch-algorithm)?
     |  |  |  |  |              +--:(ospfv3:ca-ah-algorithm)
     |  |  |  |  |              |  +--rw ospfv3:ah?             algorithm-type-ah
     |  |  |  |  |              |  +--rw ospfv3:ah-key?         ipsec-authentication-
hexkey-string
     |  |  |  |  |              +--:(ospfv3: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!
     |  |  |  |  |  +--rw ospfv3:redistribute-isis-route-map?     common-def:name-string63
     |  |  |  |  |  +--rw (ospfv3:ch-isis-level)?
     |  |  |  |  |  |  +--:(ospfv3:ca-level-1)
     |  |  |  |  |  |  |  +--rw ospfv3:level-1?                   empty
     |  |  |  |  |  |  +--:(ospfv3:ca-level-2)
     |  |  |  |  |  |  |  +--rw ospfv3:level-2?                   empty
     |  |  |  |  |  |  +--:(ospfv3: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
|  |     +--rw pim:rp-candidate
|  |     |  +--rw pim:rp-cand-interface* [rp-cand-intf-type rp-cand-intf-id]
|  |     |  |  +--rw pim:rp-cand-intf-type    pim-intf-types
|  |     |  |  +--rw pim:rp-cand-intf-id      pim-intf-name_t
|  |     |  +--rw pim:rp-cand-grp-prefix* [rp-cand-prefix-name]
|  |     |     +--rw pim:rp-cand-prefix-name    ip-prefix-name-t
|  |     +--rw pim:route-precedence
|  |     |  +--rw pim:uc-default?       route-precedence-type
|  |     |  +--rw pim:uc-non-default?   route-precedence-type
|  |     |  +--rw pim:none?             route-precedence-type
|  |     +--rw pim:anycast-rp* [anycast-ip-addr]
|  |     |  +--rw pim:anycast-ip-addr        inet:ipv6-address
|  |     |  +--rw pim:anycast-prefix-list?   ipv6-prefix-name-t
|  |     +--rw pim:rp-address* [rp-ip-addr]
|  |     |  +--rw pim:rp-ip-addr             inet:ipv6-address
|  |     |  +--rw pim:rp-addr-prefix-list?   common-def:name-string63
|  |     +--rw pim:max-mcache?         uint32
|  +--rw ipv6-access-list:receive
|  |  +--rw ipv6-access-list:access-group* [acl-name]
|  |     +--rw ipv6-access-list:acl-name    ipv6-l3-acl-policy-name
|  |     +--rw ipv6-access-list:sequence?   ip-access-list:racl-seq-id
|  +--rw vrrp:static-ag-ipv6-config
|     +--rw vrrp:anycast-gateway-mac
|        +--rw vrrp:ipv6-anycast-gateway-mac?   mac-access-list:mac-address-type
|        +--rw vrrp:ipv6-anycast-default-mac?   empty
+--rw brocade-interface:protocol
|  +--rw vrrp:vrrp-holder
|     +--rw vrrp:vrrp?            empty
|     +--rw vrrp:vrrp-extended?   empty
+--rw brocade-interface:interface
|  +--rw brocade-interface:ve* [name]
|  |  +--rw brocade-interface:name                              config-ve-type
|  |  +--rw brocade-interface:description?                      string
|  |  +--rw brocade-interface:bfd
|  |  |  +--rw brocade-interface:interval
|  |  |  |  +--rw brocade-interface:min-tx?       bfd-tx-interval-type
|  |  |  |  +--rw brocade-interface:min-rx?       bfd-rx-interval-type
|  |  |  |  +--rw brocade-interface:multiplier?   bfd-multiplier-type
|  |  |  +--rw brocade-interface:bfd-shutdown?   empty
|  |  +--rw brocade-interface:snmp
|  |  |  +--rw brocade-interface:trap
|  |  |     +--rw brocade-interface:link-status
|  |  |        +--rw brocade-interface:snmp-link-disable?   empty
|  |  +--rw qos-mls:qos
|  |  |  +--rw qos-mls:dscp-cos?                    map-name-type
|  |  |  +--rw qos-mls:dscp-cos-builtin
|  |  |  |  +--rw qos-mls:map-name?   builtin-map-name-type
|  |  |  +--rw qos-mls:dscp-mutation?               map-name-type
|  |  |  +--rw qos-mls:dscp-mutation-builtin
|  |  |  |  +--rw qos-mls:map-name?   builtin-map-name-type
|  |  |  +--rw qos-mls:dscp-traffic-class?          map-name-type
```

```
|  |  |  +--rw qos-mls:dscp-traffic-class-builtin
|  |  |  |  +--rw qos-mls:map-name?   builtin-map-name-type
|  |  |  +--rw qos-mls:traffic-class-dscp?           map-name-type
|  |  |  +--rw qos-mls:traffic-class-dscp-builtin
|  |  |     +--rw qos-mls:map-name?   builtin-map-name-type
|  |  +--rw qos-mqc:service-policy
|  |  |  +--rw qos-mqc:in?    map-name-type
|  |  |  +--rw qos-mqc:out?   map-name-type
|  |  +--rw ip-config:vrf
|  |  |  +--rw ip-config:forwarding?   common-def:vrf-name
|  |  +--rw ip-config:ip
|  |  |  +--rw ip-config:ip-config
|  |  |  |  +--rw ip-config:mtu?                  ip-mtu
|  |  |  |  +--rw ip-config:directed-broadcast?   empty
|  |  |  |  +--rw ip-config:arp
|  |  |  |  |  +--rw ip-config:learn-any?   empty
|  |  |  |  +--rw ip-config:proxy-arp?            empty
|  |  |  |  +--rw ip-config:arp-aging-timeout?    uint32
|  |  |  |  +--rw ip-config:irdp?                 empty
|  |  |  |  +--rw ip-config:address* [address]
|  |  |  |     +--rw ip-config:address         union
|  |  |  |     +--rw ip-config:secondary?      empty
|  |  |  |     +--rw ip-config:ospf-passive?   empty
|  |  |  |     +--rw ip-config:ospf-ignore?    empty
|  |  |  +--rw dhcp:interface-ve-dhcp-conf
|  |  |  |  +--rw dhcp:dhcp
|  |  |  |     +--rw dhcp:relay
|  |  |  |        +--rw dhcp:servers* [relay-ip-addr server-vrf-name]
|  |  |  |        |  +--rw dhcp:relay-ip-addr      dhcp-ipv4-address
|  |  |  |        |  +--rw dhcp:server-vrf-name    common-def:vrf-name
|  |  |  |        +--rw dhcp:gateway
|  |  |  |           +--rw dhcp:gateway-address?   dhcp-ipv4-address
|  |  |  |           +--rw dhcp:gw-intf-type?      dhcp-gateway-interface-type
|  |  |  |           +--rw dhcp:gw-intf-name?      dhcp-gateway-interface-name
|  |  |  +--rw icmp:icmp
|  |  |  |  +--rw icmp:rate-limiting?   uint32
|  |  |  |  +--rw icmp:echo-reply?      empty
|  |  |  |  +--rw icmp:redirect?        empty
|  |  |  |  +--rw icmp:unreachable?     empty
|  |  |  +--rw igmp:igmp
|  |  |  |  +--rw igmp:igmpl3-last-member-query-interval?   igmp-snooping:lmqt-type
|  |  |  |  +--rw igmp:igmpl3-query-interval?               igmp-snooping:qi-type
|  |  |  |  +--rw igmp:igmpl3-query-max-response-time?      igmp-snooping:qmrt-type
|  |  |  |  +--rw igmp:igmpl3-immediate-leave?              empty
|  |  |  |  +--rw igmp:igmpl3-version?                      uint32
|  |  |  |  +--rw igmp:igmpl3-static-group* [igmpl3-sg-addr]
|  |  |  |     +--rw igmp:igmpl3-sg-addr    inet:ipv4-address
|  |  |  +--rw isis:intf-router-isis
|  |  |  |  +--rw isis:int-router-isis
|  |  |  |     +--rw isis:interface-ip-router-isis?   empty
|  |  |  +--rw vrrp:ip-anycast-address* [ip-address]
|  |  |  |  +--rw vrrp:ip-address    union
|  |  |  +--rw vrrp:ip-vrrp-extended
|  |  |  |  +--rw vrrp:auth-type
|  |  |  |     +--rw vrrp:md5-auth
|  |  |  |        +--rw vrrp:auth-data?   string
|  |  |  +--rw ospf:interface-vlan-ospf-conf
|  |  |  |  +--rw ospf:ospf1
|  |  |  |     +--rw ospf:area?                     ospf-area-id
|  |  |  |     +--rw ospf:auth-change-wait-time?    common-def:time-interval-sec
|  |  |  |     +--rw ospf:authentication-key
|  |  |  |     |  +--rw ospf:no-encrypt-auth-key-table
|  |  |  |     |  |  +--rw ospf:no-encrypt-auth-key?   ospf-auth-psswd-string
|  |  |  |     |  +--rw ospf:auth-key-table
```

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|  |  |  |     |     +--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-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 (ipv6-nd-ra:ch-valid-type)?
     |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-no-advertise)
     |  |  |  |     |        |  |  +--rw ipv6-nd-ra:no-advertise?     empty
     |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-valid-lifetime)
     |  |  |  |     |        |  |  +--rw ipv6-nd-ra:valid-lifetime?   common-def:time-
interval-sec
     |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-valid-infinite)
     |  |  |  |     |        |     +--rw ipv6-nd-ra:valid-infinite?   empty
     |  |  |  |     |        +--rw ipv6-nd-ra:preferred
     |  |  |  |     |           +--rw (ipv6-nd-ra:ch-preferred-type)?
     |  |  |  |     |           |  +--:(ipv6-nd-ra:ca-preferred-lifetime)
     |  |  |  |     |           |  |  +--rw ipv6-nd-ra:preferred-lifetime?   common-
def:time-interval-sec
     |  |  |  |     |           |  +--:(ipv6-nd-ra:ca-preferred-infinite)
     |  |  |  |     |           |     +--rw ipv6-nd-ra:preferred-infinite?   empty
     |  |  |  |     |           +--rw ipv6-nd-ra:prefix-flags
     |  |  |  |     |              +--rw ipv6-nd-ra:no-autoconfig?   empty
     |  |  |  |     |              +--rw ipv6-nd-ra:no-onlink?       empty
     |  |  |  |     |              +--rw ipv6-nd-ra:off-link?        empty
     |  |  |  |     +--rw ipv6-nd-ra:neighbor* [ipv6-address]
     |  |  |  |        +--rw ipv6-nd-ra:ipv6-address        neighbor-ipv6-address
     |  |  |  |        +--rw ipv6-nd-ra:hardware-address?   macAddr
     |  |  |  +--rw isis:intf-ipv6-router-isis
     |  |  |  |  +--rw isis:int-ipv6-router-isis
     |  |  |  |     +--rw isis:interface-ipv6-router-isis?   empty
     |  |  |  +--rw vrrp:ipv6-anycast-address* [ipv6-address]
     |  |  |  |  +--rw vrrp:ipv6-address    union
     |  |  |  +--rw vrrp:ipv6-vrrp-extended
     |  |  |  |  +--rw vrrp:auth-type
     |  |  |  |     +--rw vrrp:md5-auth
     |  |  |  |        +--rw vrrp:auth-data?   string
     |  |  |  +--rw ospfv3:interface-ospfv3-conf
     |  |  |  |  +--rw ospfv3:interface-area?             ospf:ospf-area-id
     |  |  |  |  +--rw ospfv3:active?                     empty
     |  |  |  |  +--rw ospfv3:passive?                    empty
     |  |  |  |  +--rw ospfv3:bfd
     |  |  |  |  |  +--rw ospfv3:bfd-enable?   empty
     |  |  |  |  +--rw ospfv3:cost?                       uint32
     |  |  |  |  +--rw ospfv3:instance?                   uint32
     |  |  |  |  +--rw ospfv3:mtu-ignore?                 empty
     |  |  |  |  +--rw ospfv3:network?                    enumeration
     |  |  |  |  +--rw ospfv3:priority?                   uint32
     |  |  |  |  +--rw ospfv3:suppress-linklsa?           empty
     |  |  |  |  +--rw ospfv3:authentication
     |  |  |  |  |  +--rw ospfv3:key-chain?               string
     |  |  |  |  |  +--rw ospfv3:ipsec-auth-key-config
     |  |  |  |  |  |  +--rw ospfv3:spi?                  spi-value-type
     |  |  |  |  |  |  +--rw (ospfv3:ch-algorithm)?
     |  |  |  |  |  |     +--:(ospfv3:ca-ah-algorithm)
     |  |  |  |  |  |     |  +--rw ospfv3:ah?             algorithm-type-ah
     |  |  |  |  |  |     |  +--rw ospfv3:ah-key?         ipsec-authentication-hexkey-
string
     |  |  |  |  |  |     +--:(ospfv3: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-vlan-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* [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    l3-acl-policy-name
```

```
|  |  |        +--rw ip-access-list:ip-direction      enumeration
|  |  |        +--rw ip-access-list:traffic-type?     enumeration
|  |  +--rw ip-access-list:ip-subnet-braodcast-acl-interface
|  |  |  +--rw ip-access-list:ip
|  |  |     +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
|  |  |        +--rw ip-access-list:ip-access-list    l3-acl-policy-name
|  |  +--rw ip-policy:ip-pbr-interface
|  |  |  +--rw ip-policy:ip
|  |  |     +--rw ip-policy:policy
|  |  |        +--rw ip-policy:route-map
|  |  |           +--rw ip-policy:route-map-name?   common-def:name-string63
|  |  +--rw isis:intf-isis!
|  |  |  +--rw isis:interface-isis
|  |  |     +--rw isis:auth-check
|  |  |     |  +--rw isis:auth-check-level1
|  |  |     |  |  +--rw isis:interface-auth-check-level1-disable?   empty
|  |  |     |  +--rw isis:auth-check-level2
|  |  |     |     +--rw isis:interface-auth-check-level2-disable?   empty
|  |  |     +--rw isis:interface-reverse-metric!
|  |  |     |  +--rw isis:rev-metric-common-attributes
|  |  |     |     +--rw isis:rev-metric-val?            uint32
|  |  |     |     +--rw isis:rev-metric-whole-lan?      empty
|  |  |     |     +--rw isis:rev-metric-te-def-metric?   empty
|  |  |     +--rw isis:interface-auth-mode
|  |  |     |  +--rw isis:interface-md5
|  |  |     |     +--rw isis:interface-auth-mode-md5-level1?   empty
|  |  |     |     +--rw isis:interface-auth-mode-md5-level2?   empty
|  |  |     +--rw isis:interface-auth-key* [interface-auth-key-level]
|  |  |     |  +--rw isis:interface-auth-key-level    enumeration
|  |  |     |  +--rw isis:interface-auth-key-str?     string
|  |  |     +--rw isis:interface-hello
|  |  |     |  +--rw isis:interface-hello-padding
|  |  |     |     +--rw isis:interface-hello-padding-disable?   empty
|  |  |     +--rw isis:interface-hello-interval* [interface-hello-interval-level]
|  |  |     |  +--rw isis:interface-hello-interval-level    enumeration
|  |  |     |  +--rw isis:interface-hello-interval-val?     uint32
|  |  |     +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
|  |  |     |  +--rw isis:interface-hello-multiplier-level    enumeration
|  |  |     |  +--rw isis:interface-hello-multiplier-val?     uint32
|  |  |     +--rw isis:circuit-type?                 enumeration
|  |  |     +--rw isis:interface-ipv6
|  |  |     |  +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
|  |  |     |     +--rw isis:interface-ipv6-metric-level    enumeration
|  |  |     |     +--rw isis:interface-ipv6-metric-val?     uint32
|  |  |     +--rw isis:interface-metric* [interface-metric-level]
|  |  |     |  +--rw isis:interface-metric-level    enumeration
|  |  |     |  +--rw isis:interface-metric-val?     uint32
|  |  |     +--rw isis:interface-point-to-point?     empty
|  |  |     +--rw isis:interface-passive?            empty
|  |  |     +--rw isis:interface-priority
|  |  |     |  +--rw isis:interface-priority-level1?   uint32
|  |  |     |  +--rw isis:interface-priority-level2?   uint32
|  |  |     +--rw isis:interface-bfd
|  |  |     |  +--rw isis:interface-bfd-enable?   empty
|  |  |     +--rw isis:interface-ldp-sync?           enumeration
|  |  |     +--rw isis:segment-routing
|  |  |     |  +--rw isis:interface-segment-routing-disable?   empty
|  |  |     +--rw isis:segment-routing-prefix-sid
|  |  |        +--rw isis:sr-prefix-sid-value?   uint32
|  |  +--rw vrrp:vrrp* [vrid version]
|  |  |  +--rw vrrp:vrid                      vrid-type
|  |  |  +--rw vrrp:version                   uint8
|  |  |  +--rw vrrp:use-v2-checksum?          empty
|  |  |  +--rw vrrp:virtual-ip* [virtual-ipaddr]
```

```
|  |  |  |  +--rw vrrp:virtual-ipaddr    inet:ipv4-address
|  |  |  +--rw vrrp:track
|  |  |  |  +--rw vrrp:interface* [interface-type interface-name]
|  |  |  |     +--rw vrrp:interface-type    track-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 ospf:encrypttype?   key-type
|     |  |     |     +--rw ospf:auth-key?      ospf-auth-psswd-string
|     |  |     +--rw ospf:authentication
|     |  |     |  +--rw ospf:key-chain?   ospf-keychain-string
|     |  |     +--rw ospf:hello-interval?          common-def:time-interval-sec
|     |  |     +--rw ospf:dead-interval?           common-def:time-interval-sec
|     |  |     +--rw ospf:retransmit-interval?     common-def:time-interval-sec
|     |  |     +--rw ospf:transmit-delay?          common-def:time-interval-sec
|     |  |     +--rw ospf:md5-authentication
|     |  |     |  +--rw ospf:key-activation-wait-time?   common-def:time-interval-sec
|     |  |     |  +--rw ospf:no-encrypt-key-table
|     |  |     |  |  +--rw ospf:no-encrypt-key-id?   uint32
|     |  |     |  |  +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string
|     |  |     |  +--rw ospf:key-table
|     |  |     |     +--rw ospf:key-id?                   uint32
|     |  |     |     +--rw ospf:key?                      key-type
|     |  |     |     +--rw ospf:md5-authentication-key?   ospf-auth-psswd-string
|     |  |     +--rw ospf:cost?                    uint32
|     |  |     +--rw ospf:network?                 enumeration
|     |  |     +--rw ospf:intf-ldp-sync?           enumeration
|     |  |     +--rw ospf:database-filter
|     |  |     |  +--rw ospf:all-out?                empty
|     |  |     |  +--rw ospf:all-external?           database-filter-options
|     |  |     |  +--rw ospf:all-summary-external?   database-filter-options
|     |  |     +--rw ospf:mtu-ignore?              empty
|     |  |     +--rw ospf:active?                  empty
|     |  |     +--rw ospf:passive?                 empty
|     |  |     +--rw ospf:priority?                uint32
|     |  |     +--rw ospf:bfd
|     |  |        +--rw ospf:intf-bfd-enable?   empty
|     |  +--rw pim:pim-intf-loopback-cont
|     |     +--rw pim:pim-int-cmd
|     |        +--rw pim:pim-sparse?               empty
|     |        +--rw pim:pim
|     |        |  +--rw pim:neighbor-filter?   ip-prefix-name-t
|     |        |  +--rw pim:dr-priority?       uint32
|     |        |  +--rw pim:ttl-threshold?     uint32
|     |        +--rw pim:mcast-bdry-prefix-list?   ip-prefix-name-t
|     +--rw ipv6-config:ipv6
|     |  +--rw ipv6-config:ipv6-config
|     |  |  +--rw ipv6-config:address
|     |  |     +--rw ipv6-config:use-link-local-only?   empty
|     |  |     +--rw ipv6-config:link-local-config
|     |  |     |  +--rw ipv6-config:link-local-address?   inet:ipv6-address
|     |  |     |  +--rw ipv6-config:link-local?           empty
|     |  |     +--rw ipv6-config:ipv6-address* [address]
|     |  |        +--rw ipv6-config:address    union
|     |  |        +--rw ipv6-config:eui64?     empty
|     |  |        +--rw ipv6-config:anycast?   empty
|     |  +--rw isis:intf-ipv6-router-isis
|     |  |  +--rw isis:int-ipv6-router-isis
|     |  |     +--rw isis:interface-ipv6-router-isis?   empty
|     |  +--rw ospfv3:interface-ospfv3-conf
|     |  |  +--rw ospfv3:interface-area?            ospf:ospf-area-id
```

```
     |     |  |  +--rw ospfv3:active?                      empty
     |     |  |  +--rw ospfv3:passive?                     empty
     |     |  |  +--rw ospfv3:bfd
     |     |  |  |  +--rw ospfv3:bfd-enable?   empty
     |     |  |  +--rw ospfv3:cost?                        uint32
     |     |  |  +--rw ospfv3:instance?                    uint32
     |     |  |  +--rw ospfv3:mtu-ignore?                  empty
     |     |  |  +--rw ospfv3:network?                     enumeration
     |     |  |  +--rw ospfv3:priority?                    uint32
     |     |  |  +--rw ospfv3:suppress-linklsa?            empty
     |     |  |  +--rw ospfv3:authentication
     |     |  |  |  +--rw ospfv3:key-chain?                string
     |     |  |  |  +--rw ospfv3:ipsec-auth-key-config
     |     |  |  |  |  +--rw ospfv3:spi?                   spi-value-type
     |     |  |  |  |  +--rw (ospfv3:ch-algorithm)?
     |     |  |  |  |     +--:(ospfv3:ca-ah-algorithm)
     |     |  |  |  |     |  +--rw ospfv3:ah?              algorithm-type-ah
     |     |  |  |  |     |  +--rw ospfv3:ah-key?          ipsec-authentication-hexkey-
string
     |     |  |  |  |     +--:(ospfv3: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 (bgp:ch-rd-type)?
     |        |     +--:(bgp: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-dot1ag

Top-level container

```
module: brocade-dot1ag
  +--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?          dot1ag-interface-type
                        +--rw mep-intf-name?          dot1ag-interface-name
                        +--rw cfm-mep-sub-commands
                           +--rw tlv-type?           ccm-tlv-type
                           +--rw client-interface
                           |  +--rw client-intf-type?   dot1ag-interface-type
                           |  +--rw client-intf-name?   dot1ag-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-readinesstest-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 dot1ag-compliance
      |  +--rw dot1ag-left-interface
      |  |  +--rw dot1ag-left-domain-name?   string
      |  |  +--rw dot1ag-left-ma-name?       string
      |  |  +--rw dot1ag-left-mep?           uint32
      |  |  +--rw dot1ag-left-rmep-id?       uint32
      |  +--rw dot1ag-right-interface
      |     +--rw dot1ag-right-domain-name?   string
      |     +--rw dot1ag-right-ma-name?       string
      |     +--rw dot1ag-right-mep?           uint32
      |     +--rw dot1ag-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:

```
module: brocade-firmware-ext
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: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
```

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: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 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: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 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-phy-dhcp-conf
|  |  |  |  +--rw dhcpv6:dhcp
|  |  |  |     +--rw dhcpv6:relay
|  |  |  |        +--rw dhcpv6:servers* [relay-ip-addr]
|  |  |  |        |  +--rw dhcpv6:relay-ip-addr      dhcp-ipv6-address
|  |  |  |        |  +--rw dhcpv6:server-vrf-name?   common-def:vrf-name
|  |  |  |        |  +--rw dhcpv6:interface
|  |  |  |        |     +--rw dhcpv6:interface-type?   dhcpv6-iftype
|  |  |  |        |     +--rw dhcpv6:interface-name?   dhcpv6-ifname
|  |  |  |        +--rw dhcpv6:source-interface
|  |  |  |        |  +--rw dhcpv6:source-intf-type?   dhcpv6-relay-src-interface-type
|  |  |  |        |  +--rw dhcpv6:source-intf-name?   dhcpv6-src-ifname
|  |  |  |        |  +--rw dhcpv6:source-ip?          dhcp-ipv6-address
|  |  |  |        +--rw 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 (ipv6-nd-ra:ch-valid-type)?
   |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-no-advertise)
   |  |  |  |     |        |  |  +--rw ipv6-nd-ra:no-advertise?     empty
   |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-valid-lifetime)
   |  |  |  |     |        |  |  +--rw ipv6-nd-ra:valid-lifetime?   common-def:time-
interval-sec
   |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-valid-infinite)
   |  |  |  |     |        |     +--rw ipv6-nd-ra:valid-infinite?   empty
   |  |  |  |     |        +--rw ipv6-nd-ra:preferred
   |  |  |  |     |           +--rw (ipv6-nd-ra:ch-preferred-type)?
   |  |  |  |     |           |  +--:(ipv6-nd-ra:ca-preferred-lifetime)
   |  |  |  |     |           |  |  +--rw ipv6-nd-ra:preferred-lifetime?   common-def:time-
interval-sec
   |  |  |  |     |           |  +--:(ipv6-nd-ra:ca-preferred-infinite)
   |  |  |  |     |           |     +--rw ipv6-nd-ra:preferred-infinite?   empty
   |  |  |  |     |           +--rw ipv6-nd-ra:prefix-flags
   |  |  |  |     |              +--rw ipv6-nd-ra:no-autoconfig?   empty
   |  |  |  |     |              +--rw ipv6-nd-ra:no-onlink?       empty
   |  |  |  |     |              +--rw ipv6-nd-ra:off-link?        empty
   |  |  |  |     +--rw ipv6-nd-ra:neighbor* [ipv6-address]
   |  |  |  |        +--rw ipv6-nd-ra:ipv6-address        neighbor-ipv6-address
   |  |  |  |        +--rw ipv6-nd-ra:hardware-address?   macAddr
   |  |  |  +--rw isis:intf-ipv6-router-isis
   |  |  |  |  +--rw isis:int-ipv6-router-isis
   |  |  |  |     +--rw isis:interface-ipv6-router-isis?   empty
   |  |  |  +--rw mld:mld-phy-intf-cfg
   |  |  |  |  +--rw mld:mld
   |  |  |  |     +--rw mld:last-member-query-interval?   mld-snooping:lmqt-type
   |  |  |  |     +--rw mld:query-interval?               mld-snooping:qi-type
   |  |  |  |     +--rw mld:query-max-response-time?      mld-snooping:qmrt-type
   |  |  |  |     +--rw mld:immediate-leave?              empty
   |  |  |  |     +--rw mld:version?                      uint32
   |  |  |  |     +--rw mld:static-group* [l3-sg-addr]
   |  |  |  |        +--rw mld:l3-sg-addr    inet:ipv6-address
   |  |  |  +--rw ospfv3:interface-ospfv3-conf
   |  |  |  |  +--rw ospfv3:interface-area?            ospf:ospf-area-id
   |  |  |  |  +--rw ospfv3:active?                    empty
   |  |  |  |  +--rw ospfv3:passive?                   empty
   |  |  |  |  +--rw ospfv3:bfd
   |  |  |  |  |  +--rw ospfv3:bfd-enable?   empty
   |  |  |  |  +--rw ospfv3:cost?                      uint32
   |  |  |  |  +--rw ospfv3:instance?                  uint32
   |  |  |  |  +--rw ospfv3:mtu-ignore?                empty
```

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

```
|  |  |     +--rw vrrpv3:nd-advertisement-timer?          uint32
|  |  |     +--rw vrrpv3:advertisement-interval-scale?    uint32
|  |  |     +--rw vrrpv3:backup-advertisement-interval?   uint32
|  |  |     +--rw vrrpv3:vrrpe-advertisement-interval?    uint32
|  |  |     +--rw vrrpv3:short-path-forwarding
|  |  |        +--rw vrrpv3:basic?            empty
|  |  |        +--rw vrrpv3:revert-priority?   uint8
|  |  +--rw track
|  |  |  +--rw track_enable?   empty
|  |  |  +--rw min-link?       uint32
|  |  |  +--rw interface* [track-interface-type track-interface-name]
|  |  |  |  +--rw track-interface-type    enumeration
|  |  |  |  +--rw track-interface-name    string
|  |  |  +--rw remove
|  |  |     +--rw remove-all-track-interfaces?   empty
|  |  +--rw bfd
|  |  |  +--rw interval
|  |  |  |  +--rw min-tx?       bfd-tx-interval-type
|  |  |  |  +--rw min-rx?       bfd-rx-interval-type
|  |  |  |  +--rw multiplier?   bfd-multiplier-type
|  |  |  +--rw bfd-shutdown?   empty
|  |  +--rw snmp
|  |  |  +--rw trap
|  |  |     +--rw link-status
|  |  |        +--rw snmp-link-disable?   empty
|  |  +--rw redundant-management
|  |  |  +--rw redundant-enable?   empty
|  |  +--rw vepa
|  |  |  +--rw vepa-enable?   empty
|  |  +--rw edge-loop-detection-native
|  |  |  +--rw loop-detection-native?   empty
|  |  +--rw edge-loop-detection
|  |  |  +--rw eldprio?               uint32
|  |  |  +--rw eldshutdown-disable?   empty
|  |  |  +--rw eldvlan?               ui32-vlan-range
|  |  +--rw priority-tag-enable?                                  empty
|  |  +--rw strip-header?                                         enumeration
|  |  +--rw endpoint-tracking
|  |  |  +--rw endpoint-tracking-enable?   empty
|  |  |  +--rw timeout
|  |  |     +--rw reauth-period?   uint32
|  |  +--rw bpdu-drop-enable?                                     empty
|  |  +--rw core-isolation-track?                                 empty
|  |  +--rw ethernet-segment!
|  |  |  +--rw esi?                 string
|  |  |  +--rw load-balance-mode?   enumeration
|  |  |  +--rw 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
```

```
|  |  |     |     +--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 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    l3-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    l3-acl-policy-name
|  |  +--rw ip-policy:ip-pbr-interface
|  |  |  +--rw ip-policy:ip
|  |  |     +--rw ip-policy:policy
|  |  |        +--rw ip-policy:route-map
|  |  |           +--rw ip-policy:route-map-name?   common-def:name-string63
|  |  +--rw isis:interface-eth-isis-conf
|  |  |  +--rw isis:intf-isis!
|  |  |     +--rw isis:interface-isis
|  |  |        +--rw isis:auth-check
|  |  |        |  +--rw isis:auth-check-level1
|  |  |        |  |  +--rw isis:interface-auth-check-level1-disable?   empty
|  |  |        |  +--rw isis:auth-check-level2
|  |  |        |     +--rw isis:interface-auth-check-level2-disable?   empty
|  |  |        +--rw isis:interface-reverse-metric!
|  |  |        |  +--rw isis:rev-metric-common-attributes
|  |  |        |     +--rw isis:rev-metric-val?             uint32
|  |  |        |     +--rw isis:rev-metric-whole-lan?       empty
|  |  |        |     +--rw isis:rev-metric-te-def-metric?   empty
|  |  |        +--rw isis:interface-auth-mode
|  |  |        |  +--rw isis:interface-md5
|  |  |        |     +--rw isis:interface-auth-mode-md5-level1?   empty
|  |  |        |     +--rw isis:interface-auth-mode-md5-level2?   empty
|  |  |        +--rw isis:interface-auth-key* [interface-auth-key-level]
|  |  |        |  +--rw isis:interface-auth-key-level    enumeration
|  |  |        |  +--rw isis:interface-auth-key-str?     string
|  |  |        +--rw isis:interface-hello
|  |  |        |  +--rw isis:interface-hello-padding
|  |  |        |     +--rw isis:interface-hello-padding-disable?   empty
|  |  |        +--rw isis:interface-hello-interval* [interface-hello-interval-level]
|  |  |        |  +--rw isis:interface-hello-interval-level    enumeration
|  |  |        |  +--rw isis:interface-hello-interval-val?     uint32
|  |  |        +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
|  |  |        |  +--rw isis:interface-hello-multiplier-level    enumeration
|  |  |        |  +--rw isis:interface-hello-multiplier-val?     uint32
|  |  |        +--rw isis:circuit-type?                 enumeration
|  |  |        +--rw isis:interface-ipv6
|  |  |        |  +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
|  |  |        |     +--rw isis:interface-ipv6-metric-level    enumeration
|  |  |        |     +--rw isis:interface-ipv6-metric-val?     uint32
|  |  |        +--rw isis:interface-metric* [interface-metric-level]
|  |  |        |  +--rw isis:interface-metric-level    enumeration
|  |  |        |  +--rw isis:interface-metric-val?     uint32
|  |  |        +--rw isis:interface-point-to-point?     empty
|  |  |        +--rw isis:interface-passive?            empty
|  |  |        +--rw isis:interface-priority
|  |  |        |  +--rw isis:interface-priority-level1?   uint32
|  |  |        |  +--rw isis:interface-priority-level2?   uint32
|  |  |        +--rw isis:interface-bfd
|  |  |        |  +--rw isis:interface-bfd-enable?   empty
|  |  |        +--rw isis:interface-ldp-sync?           enumeration
|  |  |        +--rw isis:segment-routing
|  |  |        |  +--rw isis:interface-segment-routing-disable?   empty
|  |  |        +--rw isis:segment-routing-prefix-sid
|  |  |           +--rw isis:sr-prefix-sid-value?   uint32
|  |  +--rw lacp-pdu-forward:lacp-pdu-forward
|  |  |  +--rw lacp-pdu-forward:enable?   empty
|  |  +--rw lacp:lacp
|  |  |  +--rw lacp:timeout?            enumeration
```

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

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

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

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

```
|  |  |        +--rw ospf:authentication
|  |  |        |  +--rw ospf:key-chain?   ospf-keychain-string
|  |  |        +--rw ospf:hello-interval?          common-def:time-interval-sec
|  |  |        +--rw ospf:dead-interval?           common-def:time-interval-sec
|  |  |        +--rw ospf:retransmit-interval?     common-def:time-interval-sec
|  |  |        +--rw ospf:transmit-delay?          common-def:time-interval-sec
|  |  |        +--rw ospf:md5-authentication
|  |  |        |  +--rw ospf:key-activation-wait-time?   common-def:time-interval-sec
|  |  |        |  +--rw ospf:no-encrypt-key-table
|  |  |        |  |  +--rw ospf:no-encrypt-key-id?   uint32
|  |  |        |  |  +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string
|  |  |        |  +--rw ospf:key-table
|  |  |        |     +--rw ospf:key-id?                   uint32
|  |  |        |     +--rw ospf:key?                      key-type
|  |  |        |     +--rw ospf:md5-authentication-key?   ospf-auth-psswd-string
|  |  |        +--rw ospf:cost?                    uint32
|  |  |        +--rw ospf:network?                 enumeration
|  |  |        +--rw ospf:intf-ldp-sync?           enumeration
|  |  |        +--rw ospf:database-filter
|  |  |        |  +--rw ospf:all-out?                empty
|  |  |        |  +--rw ospf:all-external?           database-filter-options
|  |  |        |  +--rw ospf:all-summary-external?   database-filter-options
|  |  |        +--rw ospf:mtu-ignore?              empty
|  |  |        +--rw ospf:active?                  empty
|  |  |        +--rw ospf:passive?                 empty
|  |  |        +--rw ospf:priority?                uint32
|  |  |        +--rw ospf:bfd
|  |  |           +--rw ospf:intf-bfd-enable?   empty
|  |  +--rw ipv6
|  |  |  +--rw raguard?                         empty
|  |  |  +--rw ipv6-config:ipv6-config
|  |  |  |  +--rw ipv6-config:address
|  |  |  |  |  +--rw ipv6-config:use-link-local-only?   empty
|  |  |  |  |  +--rw ipv6-config:link-local-config
|  |  |  |  |  |  +--rw ipv6-config:link-local-address?   inet:ipv6-address
|  |  |  |  |  |  +--rw ipv6-config:link-local?           empty
|  |  |  |  |  +--rw ipv6-config:ipv6-address* [address]
|  |  |  |  |     +--rw ipv6-config:address       union
|  |  |  |  |     +--rw ipv6-config:secondary?    empty
|  |  |  |  |     +--rw ipv6-config:eui-config
|  |  |  |  |     |  +--rw ipv6-config:eui64?           empty
|  |  |  |  |     |  +--rw ipv6-config:eui-secondary?   empty
|  |  |  |  |     +--rw ipv6-config:anycast?      empty
|  |  |  |  +--rw ipv6-config:mtu?       ip-mtu
|  |  |  +--rw dhcpv6:interface-po-dhcp-conf
|  |  |  |  +--rw dhcpv6:dhcp
|  |  |  |     +--rw dhcpv6:relay
|  |  |  |        +--rw dhcpv6:servers* [relay-ip-addr]
|  |  |  |        |  +--rw dhcpv6:relay-ip-addr      dhcp-ipv6-address
|  |  |  |        |  +--rw dhcpv6:server-vrf-name?   common-def:vrf-name
|  |  |  |        |  +--rw dhcpv6:interface
|  |  |  |        |     +--rw dhcpv6:interface-type?   dhcpv6-iftype
|  |  |  |        |     +--rw dhcpv6:interface-name?   dhcpv6-ifname
|  |  |  |        +--rw dhcpv6:source-interface
|  |  |  |        |  +--rw dhcpv6:source-intf-type?   dhcpv6-relay-src-interface-type
|  |  |  |        |  +--rw dhcpv6:source-intf-name?   dhcpv6-src-ifname
|  |  |  |        |  +--rw dhcpv6:source-ip?          dhcp-ipv6-address
|  |  |  |        +--rw 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 (ipv6-nd-ra:ch-valid-type)?
   |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-no-advertise)
   |  |  |  |     |        |  |  +--rw ipv6-nd-ra:no-advertise?     empty
   |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-valid-lifetime)
   |  |  |  |     |        |  |  +--rw ipv6-nd-ra:valid-lifetime?   common-def:time-
interval-sec
   |  |  |  |     |        |  +--:(ipv6-nd-ra:ca-valid-infinite)
   |  |  |  |     |        |     +--rw ipv6-nd-ra:valid-infinite?   empty
   |  |  |  |     |        +--rw ipv6-nd-ra:preferred
   |  |  |  |     |           +--rw (ipv6-nd-ra:ch-preferred-type)?
```

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

```
|  |  |     |  |     +--rw vrrpv3:interface-type    track-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    l3-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    l3-acl-policy-name
|  |  +--rw ip-policy:ip-pbr-interface
|  |  |  +--rw ip-policy:ip
|  |  |     +--rw ip-policy:policy
|  |  |        +--rw ip-policy:route-map
|  |  |           +--rw ip-policy:route-map-name?   common-def:name-string63
|  |  +--rw isis:intf-isis!
|  |  |  +--rw isis:interface-isis
|  |  |     +--rw isis:auth-check
|  |  |     |  +--rw isis:auth-check-level1
|  |  |     |  |  +--rw isis:interface-auth-check-level1-disable?   empty
|  |  |     |  +--rw isis:auth-check-level2
|  |  |     |     +--rw isis:interface-auth-check-level2-disable?   empty
|  |  |     +--rw isis:interface-reverse-metric!
|  |  |     |  +--rw isis:rev-metric-common-attributes
|  |  |     |     +--rw isis:rev-metric-val?             uint32
|  |  |     |     +--rw isis:rev-metric-whole-lan?       empty
|  |  |     |     +--rw isis:rev-metric-te-def-metric?   empty
|  |  |     +--rw isis:interface-auth-mode
|  |  |     |  +--rw isis:interface-md5
|  |  |     |     +--rw isis:interface-auth-mode-md5-level1?   empty
|  |  |     |     +--rw isis:interface-auth-mode-md5-level2?   empty
|  |  |     +--rw isis:interface-auth-key* [interface-auth-key-level]
|  |  |     |  +--rw isis:interface-auth-key-level    enumeration
|  |  |     |  +--rw isis:interface-auth-key-str?     string
|  |  |     +--rw isis:interface-hello
```

```
|  |  |     |  +--rw isis:interface-hello-padding
|  |  |     |     +--rw isis:interface-hello-padding-disable?   empty
|  |  |     +--rw isis:interface-hello-interval* [interface-hello-interval-level]
|  |  |     |  +--rw isis:interface-hello-interval-level    enumeration
|  |  |     |  +--rw isis:interface-hello-interval-val?     uint32
|  |  |     +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
|  |  |     |  +--rw isis:interface-hello-multiplier-level    enumeration
|  |  |     |  +--rw isis:interface-hello-multiplier-val?     uint32
|  |  |     +--rw isis:circuit-type?                 enumeration
|  |  |     +--rw isis:interface-ipv6
|  |  |     |  +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
|  |  |     |     +--rw isis:interface-ipv6-metric-level    enumeration
|  |  |     |     +--rw isis:interface-ipv6-metric-val?     uint32
|  |  |     +--rw isis:interface-metric* [interface-metric-level]
|  |  |     |  +--rw isis:interface-metric-level    enumeration
|  |  |     |  +--rw isis:interface-metric-val?     uint32
|  |  |     +--rw isis:interface-point-to-point?     empty
|  |  |     +--rw isis:interface-passive?            empty
|  |  |     +--rw isis:interface-priority
|  |  |     |  +--rw isis:interface-priority-level1?   uint32
|  |  |     |  +--rw isis:interface-priority-level2?   uint32
|  |  |     +--rw isis:interface-bfd
|  |  |     |  +--rw isis:interface-bfd-enable?   empty
|  |  |     +--rw isis:interface-ldp-sync?           enumeration
|  |  |     +--rw isis:segment-routing
|  |  |     |  +--rw isis:interface-segment-routing-disable?   empty
|  |  |     +--rw isis:segment-routing-prefix-sid
|  |  |        +--rw isis:sr-prefix-sid-value?   uint32
|  |  +--rw 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 rmeinfo?                    string
|  +--rw gre-vxlan:tunnel* [identifier]
|     +--rw gre-vxlan:identifier                uint32
|     +--rw gre-vxlan:mode
|     |  +--rw gre-vxlan:gre
|     |     +--rw gre-vxlan:ip?   empty
|     +--rw gre-vxlan:gre-source
|     |  +--rw (gre-vxlan:source-cmd)?
|     |     +--:(gre-vxlan:ca-source-address)
|     |     |  +--rw gre-vxlan:source-address?       inet:ipv4-address
|     |     +--:(gre-vxlan:ca-interface-loopback)
|     |     |  +--rw gre-vxlan:interface-loopback?   lo:intf-loopback-port-type
|     |     +--:(gre-vxlan:ca-interface-ethernet)
|     |     |  +--rw gre-vxlan:interface-ethernet?   interface:interface-type
|     |     +--:(gre-vxlan:ca-interface-ve)
|     |        +--rw gre-vxlan:interface-ve?         uint32
|     +--rw gre-vxlan:tunnel-destination?        inet:ipv4-address
|     +--rw gre-vxlan:tunnel-shutdown?           empty
|     +--rw gre-vxlan:tunnel-router-interface
|     |  +--rw gre-vxlan:router-ve?   uint32
```

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

```
|     |        +--rw mld-snooping:query-max-response-time?      qmrt-type
|     |        +--rw mld-snooping:query-interval?               qi-type
|     |        +--rw mld-snooping:mldVersion?                   version-type
|     |        +--rw mld-snooping:enable?                       empty
|     |        +--rw mld-snooping:fast-leave?                   empty
|     |        +--rw mld-snooping:querier
|     |        |  +--rw mld-snooping:qenable?   empty
|     |        +--rw mld-snooping:mrouter
|     |        |  +--rw mld-snooping:interface* [if-type value]
|     |        |     +--rw mld-snooping:if-type    enumeration
|     |        |     +--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)?
    |  |     +--:(get-request)
    |  |     |  +---w vlan-id?             interface:vlan-type
    |  |     +--:(get-next-request)
    |  |        +---w last-rcvd-vlan-id?   interface:vlan-type
    |  +--ro output
    |     +--ro configured-vlans-count?      uint32
    |     +--ro provisioned-vlans-count?     uint32
    |     +--ro unprovisioned-vlans-count?   uint32
    |     +--ro vlan* [vlan-id]
    |     |  +--ro vlan-id         interface:vlan-type
    |     |  +--ro vlan-type?      enumeration
    |     |  +--ro vlan-name?      string
    |     |  +--ro ve-interface?   interface:ve-type
    |     |  +--ro vlan-state?     enumeration
    |     |  +--ro interface* [interface-type interface-name]
    |     |     +--ro interface-type    enumeration
    |     |     +--ro interface-name    union
    |     |     +--ro tag?              enumeration
    |     |     +--ro classification* [classification-type classification-value]
    |     |        +--ro classification-type     enumeration
    |     |        +--ro classification-value    string
    |     +--ro last-vlan-id?               interface:vlan-type
    |     +--ro has-more?                   boolean
    +---x get-interface-switchport
    |  +---w input
    |  |  +---w (request-type)?
    |  |     +--:(get-next-request)
    |  |        +---w last-received-interface
    |  |           +---w interface-type?   enumeration
    |  |           +---w interface-name?   union
    |  +--ro output
    |     +--ro switchport* [interface-type interface-name]
    |     |  +--ro interface-type            enumeration
    |     |  +--ro interface-name            union
    |     |  +--ro mode?                     interface:switchport-mode-type
    |     |  +--ro ingress-filter-enabled?   boolean
    |     |  +--ro acceptable-frame-type?    enumeration
    |     |  +--ro default-vlan?             interface:vlan-type
    |     |  +--ro active-vlans
    |     |  |  +--ro vlanid*   interface:vlan-type
    |     |  +--ro inactive-vlans
```

```
|     |     +--ro vlanid*   interface:vlan-type
|     +--ro has-more?     boolean
+---x get-ip-interface
|  +---w input
|  |  +---w (request-type)?
|  |     +--:(get-request)
|  |     |  +---w interface-type?            enumeration
|  |     |  +---w interface-name?            union
|  |     +--:(get-next-request)
|  |        +---w last-received-interface
|  |           +---w interface-type?   enumeration
|  |           +---w interface-name?   union
|  +--ro output
|     +--ro interface* [interface-type interface-name]
|     |  +--ro interface-type          enumeration
|     |  +--ro interface-name          union
|     |  +--ro if-name?                string
|     |  +--ro ip-address* [ipv4]
|     |  |  +--ro ipv4         string
|     |  |  +--ro ipv4-type?   enumeration
|     |  |  +--ro broadcast?   string
|     |  |  +--ro ip-mtu?      ip-config:ip-mtu
|     |  +--ro if-state?               enumeration
|     |  +--ro line-protocol-state?    enumeration
|     |  +--ro proxy-arp?              string
|     |  +--ro vrf?                    string
|     |  +--ro redundant-management?   boolean
|     +--ro has-more?    boolean
+---x get-fec-counter-detail
|  +---w input
|  |  +---w interface-type?   enumeration
|  |  +---w interface-name?   interface:interface-type
|  +--ro output
|     +--ro interface-type?           enumeration
|     +--ro interface-name?           interface:interface-type
|     +--ro ifFecCorrectedBlocks?     yang:counter64
|     +--ro ifFecUncorrectedBlocks?   yang:counter64
+---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 fec-mode?                      interface:fec-mode-type
|      +--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
                +--:(qsfpp)
                |  +--ro qsfpp
                |     +--ro speed?               line-speed
                |     +--ro connector?           enumeration
                |     +--ro encoding?            enumeration
                |     +--ro vendor-name?         string
                |     +--ro vendor-oui?          string
                |     +--ro vendor-pn?           string
                |     +--ro vendor-rev?          string
                |     +--ro distance?            enumeration
                |     +--ro media-form-factor?   enumeration
                |     +--ro wavelength?          string
                |     +--ro serial-no?           string
                |     +--ro date-code?           string
                |     +--ro temperature?         uint32
                |     +--ro voltage?             decimal64
                |     +--ro current?             decimal64
                |     +--ro tx-power?            decimal64
                |     +--ro rx-power?            decimal64
                +--:(cfp)
                |  +--ro cfp
```

```
|     +--ro speed?                line-speed
|     +--ro connector?            enumeration
|     +--ro encoding?             enumeration
|     +--ro vendor-name?          string
|     +--ro vendor-oui?           string
|     +--ro vendor-pn?            string
|     +--ro vendor-rev?           string
|     +--ro distance?             enumeration
|     +--ro media-form-factor?    enumeration
|     +--ro wavelength?           string
|     +--ro serial-no?            string
|     +--ro date-code?            string
|     +--ro temperature?          uint32
|     +--ro voltage?              decimal64
|     +--ro current?              decimal64
|     +--ro tx-power?             decimal64
|     +--ro rx-power?             decimal64
+--:(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               l3-acl-policy-name
  |        |  +--rw remark?            l3-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               l3-acl-policy-name
  |           +--rw remark?            l3-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 tc-force?                          tcmrk-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:dscprmrk-uint
                 +--rw drop-precedence-force?          ip-access-list:drop-prec-uint
                 +--rw tc-force?                       ip-access-list:tcmrk-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 csnp-l1authfail?      uint32
  |  +--ro csnp-l2authfail?      uint32
  |  +--ro psnp-l1authfail?      uint32
  |  +--ro psnp-l2authfail?      uint32
  |  +--ro circ-l1authfail?      uint32
  |  +--ro circ-l2authfail?      uint32
  |  +--ro sr-isis-error-info
  |  |  +--ro sr-isis-e-same-node-sid-diff-prefix-level?   uint32
  |  |  +--ro sr-isis-e-no-adj-label-space?                uint32
  |  |  +--ro sr-isis-error-counts-per-level-info* [level]
  |  |     +--ro level                                    isis-level
  |  |     +--ro sr-isis-e-same-node-sid-diff-pre-add?    uint32
  |  |     +--ro sr-isis-e-same-pre-add-diff-node-sid?    uint32
  |  |     +--ro sr-isis-e-prefix-sid-flag-n-unset?       uint32
  |  |     +--ro sr-isis-e-prefix-sid-out-of-my-srgb?     uint32
  |  |     +--ro sr-isis-e-prefix-no-sr-capability?       uint32
  |  |     +--ro sr-isis-e-prefix-sid-out-of-nh-srgb?     uint32
  |  |     +--ro sr-isis-e-cap-sub-tlv-flag-i-unset?      uint32
  |  +--ro bad-lsp-log* [type-index]
```

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

```
   |  |  +--ro auth-mode-l2?                    string
   |  |  +--ro auth-key-l1?                     string
   |  |  +--ro auth-key-l2?                     string
   |  |  +--ro l1-auth-no-check?                isis-status
   |  |  +--ro l2-auth-no-check?                isis-status
   |  |  +--ro metric-style-l1?                 string
   |  |  +--ro metric-style-l2?                 string
   |  |  +--ro graceful-restart-helper?         boolean
   |  |  +--ro 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-ptp?         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 l1authfail?     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:multiplier?           uint32
   |  |  |  +--rw lldp:advertise
   |  |  |  |  +--rw lldp:dcbx-fcoe-app-tlv?            empty
   |  |  |  |  +--rw lldp:dcbx-fcoe-logical-link-tlv?   empty
   |  |  |  |  +--rw lldp:dcbx-iscsi-app-tlv?           empty
   |  |  |  |  +--rw lldp:dcbx-tlv?                     empty
   |  |  |  |  +--rw lldp:dot1-tlv?                     empty
   |  |  |  |  +--rw lldp:dot3-tlv?                     empty
   |  |  |  |  +--rw lldp:optional-tlv
   |  |  |  |     +--rw lldp:management-address?           empty
   |  |  |  |     +--rw lldp:port-description?             empty
   |  |  |  |     +--rw lldp:system-capabilities?          empty
   |  |  |  |     +--rw lldp:adv-tlv-system-description?   empty /*alt-name:system-
description*/
   |  |  |  |     +--rw lldp:adv-tlv-system-name?          empty /*alt-name:system-name*/
   |  |  |  +--rw lldp:system-name?          string
   |  |  |  +--rw lldp:system-description?   string
```

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

brocade-lldp-ext

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 tc-force?                tcmrk-uint
                +--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:
   +---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
```

RPCs

Return the ingress and egress policies for an interface:

brocade-mac-address-table

Top-level container

RPCs

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

brocade-mld-snooping

Top-level container

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

brocade-mpls

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-128-for-auto-discovered?   empty
|     +--rw ldp-lsr-id?                        inet:ipv4-address
|     +--rw ldp-session* [ldp-session-ip]
|     |  +--rw ldp-session-ip                inet:ipv4-address
|     |  +--rw ldp-session-fec-filter-out?   string
|     |  +--rw ldp-session-auth-key?         string
|     +--rw ldp-targeted-peer* [ldp-targeted-peer-ip]
|     |  +--rw ldp-targeted-peer-ip    inet:ipv4-address
|     +--rw ldp-rcv-label-silence-time?        uint32
|     +--rw ldp-gr!
|     |  +--rw ldp-gr-helper-only?                   empty
|     |  +--rw ldp-gr-max-neighbor-reconnect-time?   uint32
|     |  +--rw ldp-gr-max-neighbor-recovery-time?    uint32
|     |  +--rw ldp-gr-reconnect-time?                uint32
|     |  +--rw ldp-gr-recovery-time?                 uint32
|     +--rw ldp-eol!
|     |  +--rw ldp-eol-tx-silence?     uint32
|     |  +--rw ldp-eol-notification?   uint32
|     +--rw ldp-tunnel-metric?                 uint32
|     +--rw ldp-lw-delay?                      uint32
+--rw dynamic-bypass!
|  +--rw mpls-dynamic-bypass-sub-cmds
|     +--rw dynamic-bypass-max-bypasses?            uint32
|     +--rw dynamic-bypass-max-bypasses-per-mp?     uint32
|     +--rw dynamic-bypass-enable-all-interfaces?   empty
|     +--rw dynamic-bypass-reoptimize-timer?        uint32
|     +--rw dynamic-bypass-disable?                 empty
+--rw mpls-interface* [interface-type interface-name]
|  +--rw interface-type               enumeration
|  +--rw interface-name               interface-type
|  +--rw mpls-interface-ldp-enable?   empty
|  +--rw ldp-params
|  |  +--rw ldp-param-cmds
|  |     +--rw hello-interval?   uint32
|  |     +--rw hello-timeout?    uint32
```

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

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

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

```
               |  |  |  +--rw lsp-frr-hold-priority?    uint32
               |  |  +--rw lsp-frr-revertive
               |  |     +--rw lsp-frr-revertive-holdtime?      uint8
               |  |     +--rw lsp-frr-revertive-mode-global?   enable-disable
               |  +--rw secondary-path* [secpath-name]
               |  |  +--rw secpath-name                  string
               |  |  +--rw secpath-standby?              empty
               |  |  +--rw secpath-cspf?                 enable-disable
               |  |  +--rw secpath-ipmtu?                uint32
               |  |  +--rw lsp-adaptive?                 empty
               |  |  +--rw lsp-reoptimize-timer?         uint32
               |  |  +--rw lsp-commit?                   empty
               |  |  +--rw lsp-record?                   enable-disable
               |  |  +--rw lsp-cos?                      uint32
               |  |  +--rw lsp-hop-limit?                uint16
               |  |  +--rw lsp-cspf-computation-mode?    cspf-computation-mode
               |  |  +--rw lsp-traffic-engineering
               |  |  |  +--rw lsp-te-mean-rate?   uint32
               |  |  |  +--rw lsp-te-max-rate?    uint32
               |  |  |  +--rw lsp-te-max-burst?   uint32
               |  |  +--rw priority
               |  |  |  +--rw lsp-setup-priority?   uint32
               |  |  |  +--rw lsp-hold-priority?    uint32
               |  |  +--rw lsp-exclude-any*              string
               |  |  +--rw lsp-include-any*              string
               |  |  +--rw lsp-include-all*              string
               |  |  +--rw secpath-soft-preemption?      empty
               |  |  +--rw lsp-secpath-auto-bandwidth!
               |  |     +--rw lsp-secpath-autobw-template?   -> ../../../../autobw-
template/autobw-template-name
               |  |     +--rw adjustment-interval?           uint32
               |  |     +--rw adjustment-threshold
               |  |     |  +--rw (threshold-options)?
               |  |     |     +--:(threshold-case-percentage)
               |  |     |     |  +--rw threshold-percentage?   uint32
               |  |     |     +--:(threshold-case-table)
               |  |     |        +--rw use-threshold-table?    empty
               |  |     +--rw min-bandwidth?                 uint32
               |  |     +--rw max-bandwidth?                 uint32
               |  |     +--rw overflow-limit?                uint32
               |  |     +--rw underflow-limit?               uint32
               |  |     +--rw mode?                          autobw-mode
               |  |     +--rw sample-recording?              enable-disable
               |  +--rw lsp-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 bandwith-resv-outsegs?                uint32
|  |  |  +--ro active-backup-outsegs?                uint32
|  |  |  +--ro inactive-backup-outsegs?              uint32
|  |  |  +--ro interface-preempts?                   uint32
|  |  |  +--ro interface-resv-soft-preempts?         uint32
|  |  |  +--ro interface-flooding-up-threshold?      feature-config-source
|  |  |  +--ro interface-flooding-down-threshold?    feature-config-source
|  |  |  +--ro duplicate-preempts-dropped?           uint32
|  |  |  +--ro bypass-interface?                     boolean
|  |  |  +--ro interface-tunnel-name?                string
|  |  |  +--ro bypass-tunnel-interface-name?         string
|  |  |  +--ro interface-te-up-thresholds*           uint32
|  |  |  +--ro interface-te-down-thresholds*         uint32
|  |  |  +--ro error-counters
|  |  |  |  +--ro recv-md5-auth-errors?                    uint64
|  |  |  |  +--ro pkt-with-msgid-drop?                     uint64
|  |  |  |  +--ro pkt-with-sref-drop?                      uint64
|  |  |  |  +--ro nackobject-errors?                       uint64
|  |  |  |  +--ro recv-md5-auth-errors-since-last-clear?   uint64
|  |  |  |  +--ro pkt-with-msgid-drop-since-last-clear?    uint64
|  |  |  |  +--ro pkt-with-sref-drop-since-last-clear?     uint64
|  |  |  |  +--ro nackobject-errors-since-last-clear?      uint64
|  |  |  +--ro packet-counters
|  |  |     +--ro path-tx?                           uint64
|  |  |     +--ro resv-tx?                           uint64
|  |  |     +--ro patherr-tx?                        uint64
|  |  |     +--ro resverr-tx?                        uint64
|  |  |     +--ro pathtear-tx?                       uint64
|  |  |     +--ro resvtear-tx?                       uint64
```

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

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

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

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

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

```
|  |  |  +--ro instance-retry-count?                          uint32
|  |  |  +--ro instance-up-down-count?                        uint32
|  |  |  +--ro instance-metric?                               uint8
|  |  |  +--ro instance-down-reason?                          string
|  |  |  +--ro current-signaled-mean-rate?                    uint32
|  |  |  +--ro config-exclude-interfaces*                     string
|  |  |  +--ro lsp-hops* [hop-index hop-address]
|  |  |  |  +--ro hop-index               uint32
|  |  |  |  +--ro hop-address             inet:ipv4-address
|  |  |  |  +--ro lsp-hop-type?           lsp-hop-type
|  |  |  |  +--ro is-strict-hop?          boolean
|  |  |  |  +--ro hop-is-router-id?       boolean
|  |  |  |  +--ro protection?             boolean
|  |  |  |  +--ro node-protection?        boolean
|  |  |  |  +--ro bandwidth-protection?   boolean
|  |  |  |  +--ro protection-in-use?      boolean
|  |  |  +--ro auto-bandwidth
|  |  |  |  +--ro config-template?        string
|  |  |  |  +--ro adjustment-interval?    uint32
|  |  |  |  +--ro adjustment-threshold?   uint32
|  |  |  |  +--ro maximum-bandwidth?      uint32
|  |  |  |  +--ro minimum-bandwidth?      uint32
|  |  |  |  +--ro overflow-limit?         uint32
|  |  |  |  +--ro underflow-limit?        uint32
|  |  |  |  +--ro mode?                   autobw-mode
|  |  |  |  +--ro sample-recording?       boolean
|  |  |  +--ro admin-group-lists* [list-type]
|  |  |     +--ro list-type      lsp-admin-group-list-type
|  |  |     +--ro admin-group* [admin-group-id]
|  |  |        +--ro admin-group-id      uint32
|  |  |        +--ro admin-group-name?   string
|  |  |        +--ro exclude-any?        boolean
|  |  |        +--ro include-all?        boolean
|  |  |        +--ro include-any?        boolean
|  |  +--ro secondary-path* [path-name instance-id]
|  |     +--ro path-name                                 string
|  |     +--ro instance-id                               boolean
|  |     +--ro path-up?                                  boolean
|  |     +--ro active?                                   boolean
|  |     +--ro committed?                                boolean
|  |     +--ro is-new-instance?                          boolean
|  |     +--ro is-current-secondary?                     boolean
|  |     +--ro is-selected-secondary?                    boolean
|  |     +--ro config-adaptive?                          boolean
|  |     +--ro config-reoptimize-timer-configured?       boolean
|  |     +--ro config-reoptimize-timer?                  uint32
|  |     +--ro config-reoptimize-timer-count?            uint32
|  |     +--ro config-tspec-mtu-configured?              boolean
|  |     +--ro config-tspec-mtu?                         uint32
|  |     +--ro config-cos-configured?                    boolean
|  |     +--ro config-cos?                               uint32
|  |     +--ro config-mtu-configured?                    boolean
|  |     +--ro config-mtu?                               uint32
|  |     +--ro config-tie-breaking-configured?           boolean
|  |     +--ro config-tie-break-random?                  boolean
|  |     +--ro config-tie-break-least-fill?              boolean
|  |     +--ro config-tie-break-most-fill?               boolean
|  |     +--ro config-cspf-disabled?                     boolean
|  |     +--ro config-rro-disabled?                      boolean
|  |     +--ro config-hot-standby?                       boolean
|  |     +--ro config-pinned?                            boolean
|  |     +--ro config-persistent?                        boolean
|  |     +--ro config-soft-prempt?                       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-qos-mpls:apply-exp-traffic-class)?
        |  |  +--:(apply-qos-mpls:ca-map-name-cmd1)
        |  |  |  +--rw apply-qos-mpls:map-name-cmd1?       map-name-type
        |  |  +--:(apply-qos-mpls:ca-all-zero-map-cmd1)
        |  |     +--rw apply-qos-mpls:all-zero-map-cmd1?   empty
        |  +--rw apply-qos-mpls:All-cmd1?                  empty
        +--rw apply-qos-mpls:apply-traffic-class-exp-map-name
        |  +--rw (apply-qos-mpls:apply-traffic-class-exp)?
        |  |  +--:(apply-qos-mpls:ca-map-name-cmd2)
        |  |  |  +--rw apply-qos-mpls:map-name-cmd2?       map-name-type
        |  |  +--:(apply-qos-mpls:ca-all-zero-map-cmd2)
        |  |     +--rw apply-qos-mpls:all-zero-map-cmd2?   empty
        |  +--rw apply-qos-mpls:All-cmd2?                  empty
        +--rw apply-qos-mpls:apply-dscp-exp-map-name
        |  +--rw (apply-qos-mpls:apply-dscp-exp)?
        |  |  +--:(apply-qos-mpls:ca-map-name-cmd3)
        |  |  |  +--rw apply-qos-mpls:map-name-cmd3?       map-name-type
        |  |  +--:(apply-qos-mpls:ca-all-zero-map-cmd3)
        |  |     +--rw apply-qos-mpls:all-zero-map-cmd3?   empty
        |  +--rw apply-qos-mpls:All-cmd3?                  empty
        +--rw apply-qos-mpls:apply-exp-dscp-map-name
```

```
           +--rw (apply-qos-mpls:apply-exp-dscp)?
           |  +--:(apply-qos-mpls:ca-map-name-cmd4)
           |  |  +--rw apply-qos-mpls:map-name-cmd4?       map-name-type
           |  +--:(apply-qos-mpls:ca-all-zero-map-cmd4)
           |     +--rw apply-qos-mpls:all-zero-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-mpls-state* [map-type]
      +--ro map-type         string
      +--ro map-name?        string
      +--ro enabled-slots?   string
      +--ro traffic-class*   uint32
      +--ro drop-preced*     uint32
      +--ro exp*             uint32
      +--ro dscp*            uint32
```

brocade-ras

Top-level container

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

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

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

RPCs

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

brocade-ras-ext

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 smac-dmac?   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 sip-dip?       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 sipv6-dipv6?        empty
     |     |  +--rw ipv6-next-hdr?      empty
     |     +--rw mpls
     |     |  +--rw label1?   empty
     |     |  +--rw label2?   empty
     |     |  +--rw label3?   empty
     |     |  +--rw all-labels?   empty
     |     +--rw l4
     |        +--rw src-dst-port?   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
 +--rw resilient-hash-flowset-optimize!
```

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 brcd-sec-services:telnet
   |  |  +--rw brcd-sec-services:server

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

brocade-sflow

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 enque-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 tmcpustatsslot* [slot-id cpugroup-id priority]
|  |  +--ro slot-id         uint16
|  |  +--ro cpugroup-id     uint16
|  |  +--ro priority        uint16
|  |  +--ro enquepkt?       uint64
|  |  +--ro enqueubytes?    uint64
|  |  +--ro discardpkt?     uint64
|  |  +--ro discardbytes?   uint64
|  |  +--ro currdepth?      uint64
|  |  +--ro maxdepth?       uint64
|  +--ro tmcpustatsslotallgrp* [slot-id priority]
|  |  +--ro slot-id         uint16
|  |  +--ro priority        uint16
|  |  +--ro enquepkt?       uint64
|  |  +--ro enqueubytes?    uint64
|  |  +--ro discardpkt?     uint64
|  |  +--ro discardbytes?   uint64
|  |  +--ro currdepth?      uint64
|  |  +--ro maxdepth?       uint64
|  +--ro tm-top-discard-pkt-data* [slot tower id]
|  |  +--ro slot          uint16
|  |  +--ro tower         uint16
|  |  +--ro id            uint16
|  |  +--ro dest-port?    string
|  |  +--ro priority?     uint16
|  |  +--ro queue?        uint32
|  |  +--ro discardpkt?   uint64
|  +--ro tm-top-max-queue-depth-data* [slot tower id]
|  |  +--ro slot               uint16
|  |  +--ro tower              uint16
|  |  +--ro id                 uint16
|  |  +--ro dest-port?         string
|  |  +--ro priority?          uint16
|  |  +--ro queue?             uint32
|  |  +--ro max-queue-depth?   uint32
|  |  +--ro min-threshold?     uint32
|  |  +--ro max-utilization?   uint32
|  +--ro tm-max-buff-util-data* [slot tower]
|  |  +--ro slot             uint16
|  |  +--ro tower            uint16
|  |  +--ro max-buff-size?   uint64
|  |  +--ro max-buff-util?   uint16
```

```
|  +--ro tmvoqstatistics* [ing-slot ing-tower egr-voqid]
|     +--ro ing-slot        uint16
|     +--ro ing-tower       uint16
|     +--ro egr-voqid       uint16
|     +--ro priority?       uint16
|     +--ro enquepkt?       uint64
|     +--ro enqueubytes?    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-overrun-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-overrun-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-overrun-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-overrun-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 enquepkt?       uint64
|  +--ro enqueubytes?    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 enquepkt?       uint64
   +--ro enqueubytes?    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 mange 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-costhreshold?    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
+--ro app-telemetry?       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-iftype
     |  |  +--rw loopback
     |  |  |  +--rw source-intf-name?   loopback-iftype
     |  |  +--rw ve
     |  |  |  +--rw source-intf-name?   ve-iftype
     |  |  +--rw management
     |  |     +--rw source-intf-name?   mm-iftype
     |  +--rw collector-profile* [collector-profiletype collector-profilename]
     |  |  +--rw collector-profiletype    telemetry-profile-type
     |  |  +--rw collector-profilename    collector-profile-name-type
     |  +--rw collector-encoding?   collector-encoding-type
     |  +--rw collector-activate?   empty
     +--rw server* [use-vrf]
     |  +--rw use-vrf      common-def:use-vrf
     |  +--rw transport?   service-transport-type
     |  +--rw port?        service-port-type
     |  +--rw activate?    empty
     +--rw profile
     |  +--rw system-utilization* [name]
     |  |  +--rw name        system-profile-name-type
     |  |  +--rw interval?   system-profile-interval-type
     |  |  +--rw add* [object]
     |  |     +--rw object    system-profile-object-type
     |  +--rw interface* [name]
     |  |  +--rw name         interface-profile-name-type
     |  |  +--rw interval?    interface-profile-interval-type
     |  |  +--rw interface* [interface-range]
     |  |  |  +--rw interface-range    phy-interface-range-cli-pattern
     |  |  +--rw add* [object]
     |  |     +--rw object    interface-profile-object-type
     |  +--rw enhanced-queue-discard-pkts* [name]
     |  |  +--rw name               enhanced-queue-discard-pkts-profile-name-type
     |  |  +--rw interval?          queue-profile-interval-type
     |  |  +--rw interface-range?   phy-interface-range-cli-pattern
     |  |  +--rw add* [object]
     |  |     +--rw object    enhanced-queue-discard-pkts-profile-object-type
     |  +--rw enhanced-queue-max-queue-depth* [name]
     |  |  +--rw name               enhanced-queue-max-queue-depth-profile-name-type
     |  |  +--rw interval?          queue-profile-interval-type
     |  |  +--rw interface-range?   phy-interface-range-cli-pattern
     |  |  +--rw add* [object]
     |  |     +--rw object    enhanced-queue-max-queue-depth-profile-object-type
     |  +--rw queue* [name]
     |  |  +--rw name               queue-profile-name-type
     |  |  +--rw interval?          queue-profile-interval-type
     |  |  +--rw interface-range?   phy-interface-range-cli-pattern
     |  |  +--rw add* [object]
```

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

brocade-terminal

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
- ACL resources

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
         +--rw acl
            +--rw mac-in
            |  +--rw high-limit?   uint32
            |  +--rw low-limit?    uint32
            |  +--rw actions?      enumeration
            +--rw mac-out
            |  +--rw high-limit?   uint32
            |  +--rw low-limit?    uint32
            |  +--rw actions?      enumeration
            +--rw ip-in
            |  +--rw high-limit?   uint32
            |  +--rw low-limit?    uint32
            |  +--rw actions?      enumeration
            +--rw ip-out
            |  +--rw high-limit?   uint32
            |  +--rw low-limit?    uint32
            |  +--rw actions?      enumeration
            +--rw ipv6-in
            |  +--rw high-limit?   uint32
            |  +--rw low-limit?    uint32
            |  +--rw actions?      enumeration
            +--rw ipv6-out
               +--rw high-limit?   uint32
               +--rw low-limit?    uint32
               +--rw actions?      enumeration
```

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
      |  |  +---w force-default-password-change?   empty
      |  +--ro output
      |     +--ro tpvm-upgrade-msg?   string
```

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

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

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

RPCs

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

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

brocade-tunnels

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
module: brocade-tunnels
  +--rw nsx-controller* [name]
```

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:multiplier?   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-wwn?              string
  |     +--ro co-ordinator-wwn?                  string
  |     +--ro vcs-cluster-type-info?             vcs-cluster-type
  |     +--ro vcs-guid?                          string
  |     +--ro virtual-ip-address?                string
  |     +--ro virtual-ipv6-address?              string
  |     +--ro total-nodes-in-cluster?            uint16
  |     +--ro nodes-disconnected-from-cluster?   uint16
  |     +--ro cluster-generic-status?            string
  |     +--ro cluster-specific-status?           string
  |     +--ro vcs-nodes
  |        +--ro vcs-node-info* []
  |           +--ro node-num?                     uint16
  |           +--ro node-serial-num?              string
  |           +--ro node-condition?               string
  |           +--ro node-status?                  string
  |           +--ro node-hw-sync-state?           node-hw-sync-state-type
  |           +--ro node-vcs-mode?                string
  |           +--ro node-vcs-id?                  uint16
```

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

brocade-vlan

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-distiniguisher?   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 connected-route-leak?           empty
    |  |     +--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 (arp:interfacetype)?
    |  |     |     +--:(arp:Port-channel)
    |  |     |     |  +--rw arp:Port-channel?   interface:portchannel-type
    |  |     |     +--:(arp:Ethernet)
    |  |     |     |  +--rw arp:Ethernet?       interface:interface-type
    |  |     |     +--:(arp: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 connected-route-leak?          empty
     |        +--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-vswitch

Top-level container

```
+--rw vcenter* [id]
      +--rw id              common-def:name-string32
      +--rw credentials
      |  +--rw url?         vcenter-url
      |  +--rw username?    string
      |  +--rw password?    string
      +--rw activate?       empty
      +--rw interval?       uint32
      +--rw discovery
         +--rw ignore-delete-all-response
            +--rw ignore-value?   uint32
            +--rw always?         empty
```

RPC

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

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

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

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

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

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

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

extreme-bmc

Top-level container

```
module: extreme-bmc
   +--rw bmc
      +--rw factory
         +---x reset
```

extreme-bmc

Top-level container

```
module: extreme-bmc-config
  +--rw bmc-cfg
     +--rw bmc
        +--rw user-id* [uId]
        |  +--rw uId         uint32
        |  +--rw password?   string
        +--rw interface
           +--rw bmc-management* [ifcId]
              +--rw ifcId       uint32
              +--rw shutdown?   empty
              +--rw ip
                 +--rw (ip-config-choices)?
                    +--:(ip-case)
                    |  +--rw ip-params
                    |     +--rw address?   common-def:ipv4-prefix-mask
                    |     +--rw gw         inet:ipv4-address
                    +--:(dhcp-case)
                       +--rw dhcp?        empty
```

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 ocsp
      |  +--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
```

+--rw password-policy +--rw min-length? uint32 +--rw character-restriction +--rw upper? uint32 +--rw lower? uint32 +--rw numeric? uint32 +--rw special-char? uint32

ietf-netconf-monitoring

Top-level container

```
+--ro netconf-state
      +--ro capabilities
      |  +--ro capability*   inet:uri
      +--ro datastores
      |  +--ro datastore* [name]
      |     +--ro name     netconf-datastore-type
      |     +--ro locks!
      |        +--ro (lock-type)?
      |           +--:(global-lock)
      |           |  +--ro global-lock
      |           |     +--ro locked-by-session    uint32
      |           |     +--ro locked-time          yang:date-and-time
      |           +--:(partial-lock)
      |              +--ro partial-lock* [lock-id]
      |                 +--ro lock-id              uint32
      |                 +--ro locked-by-session    uint32
      |                 +--ro locked-time          yang:date-and-time
      |                 +--ro select*              yang:xpath1.0
      |                 +--ro locked-node*         instance-identifier
      +--ro schemas
      |  +--ro schema* [identifier version format]
      |     +--ro identifier    string
      |     +--ro version       string
      |     +--ro format        identityref
      |     +--ro namespace     inet:uri
      |     +--ro location*     union
      +--ro sessions
      |  +--ro session* [session-id]
      |     +--ro session-id           uint32
      |     +--ro transport            identityref
      |     +--ro username             string
      |     +--ro source-host?         inet:host
      |     +--ro login-time           yang:date-and-time
      |     +--ro in-rpcs?             yang:zero-based-counter32
      |     +--ro in-bad-rpcs?         yang:zero-based-counter32
      |     +--ro out-rpc-errors?      yang:zero-based-counter32
      |     +--ro out-notifications?   yang:zero-based-counter32
      +--ro statistics
         +--ro netconf-start-time?   yang:date-and-time
         +--ro in-bad-hellos?        yang:zero-based-counter32
         +--ro in-sessions?          yang:zero-based-counter32
         +--ro dropped-sessions?     yang:zero-based-counter32
         +--ro in-rpcs?              yang:zero-based-counter32
         +--ro in-bad-rpcs?          yang:zero-based-counter32
         +--ro out-rpc-errors?       yang:zero-based-counter32
         +--ro out-notifications?    yang:zero-based-counter32
```

RPC

```
rpcs:
   +---x get-schema
      +---w input
      |  +---w identifier    string
      |  +---w version?      string
      |  +---w format?       identityref
      +--ro output
```

```
         +--ro data
submodule: linecard_cli (belongs-to brocade-logical-switch)
   +--rw linecard-cli
      +---x cli-execute
      |  +---w input
      |     +---w slot          slot_num
      |     +---w string-cmd    string
      +---x cli-help
         +---w input
            +---w slot    slot_num
```