Extreme

Customer-Driven Networking

Extreme Network OS YANG Reference Manual, 7.3.0

Supporting Network OS 7.3.0

Contents

Preface

Document conventions

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

Notes, cautions, and warnings

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

hazards.

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

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

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

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

Text formatting conventions

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

Format	Description
bold text	Identifies command names.
	Identifies keywords and operands.
	Identifies the names of GUI elements.
	Identifies text to enter in the GUI.
italic text	Identifies emphasis.
	Identifies variables.
	Identifies document titles.
`Courier font`	Identifies CLI output.

Format	Description
	Identifies command syntax examples.

Command syntax conventions

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

Convention	Description
bold text	Identifies command names, keywords, and command options.
italic text	Identifies a variable.
[ ]	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, for example, passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, *member*[*member*...].
\	Indicates a "soft" line break in command examples. If a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

Extreme resources

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

White papers, data sheets, and the most recent versions of Extreme software and hardware manuals are available at www.extremenetworks.com. Product documentation for all supported releases is available to registered users at www.extremenetworks.com/support/documentation.

Document feedback

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

You can provide feedback in two ways:

- Use our short online feedback form at http://www.extremenetworks.com/documentation-feedback-pdf/
- Email us at internalinfodev@extremenetworks.com

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

Contacting Extreme Technical Support

As an Extreme customer, you can contact Extreme Technical Support using one of the following methods: 24x7 online or by telephone. OEM customers should contact their OEM/solution provider.

If you require assistance, contact Extreme Networks using one of the following methods:

- GTAC (Global Technical Assistance Center) for immediate support
    - Phone: 1-800-998-2408 (toll-free in U.S. and Canada) or +1 408-579-2826. For the support phone number in your country, visit: www.extremenetworks.com/support/contact.
    - Email: support@extremenetworks.com. To expedite your message, enter the product name or model number in the subject line.
- GTAC Knowledge – Get on-demand and tested resolutions from the GTAC Knowledgebase, or create a help case if you need more guidance.
- The Hub – A forum for Extreme customers to connect with one another, get questions answered, share ideas and feedback, and get problems solved. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.
- Support Portal – Manage cases, downloads, service contracts, product licensing, and training and certifications.

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number and/or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any action(s) 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

About This Document

Supported hardware and software

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

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

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

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

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

What's new in this document

On October 30, 2017, Extreme Networks, Inc. acquired the data center networking business from Brocade Communications Systems, Inc. This document has been updated to remove or replace references to Brocade Communications, Inc. with Extreme Networks., Inc., as appropriate.

Using YANG

YANG overview

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

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

Using the *Network OS YANG Reference Manual*

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

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

- Top-level nodes and their subtrees

- Subtrees that augment nodes in other YANG modules

- Custom RPCs

- Custom actions that make use of the proprietary action mechanism

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

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

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

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

In addition to showing the structure, the output of the **pyang –f tree** command provides information about each node, as shown in

Field definitions and possible values follow:

status	Status of the node can be one of the following values: + Current
	x Deprecated
	o Obsolete

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

YANG Modules

extreme-aaa

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

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

Top-level container

```
module: extreme-aaa
  +--rw aaa-config
  |  +--rw aaa
  |     +--rw authentication
  |     |  +--rw login
  |     |     +--rw first?    enumeration
  |     |     +--rw second?   enumeration
  |     +--rw accounting
  |        +--rw exec
  |        |  +--rw defaultacc
  |        |     +--rw start-stop
  |        |        +--rw server-type?   acc_srv_type
  |        +--rw commands
  |           +--rw defaultacc
  |              +--rw start-stop
  |                 +--rw server-type?   acc_srv_type
  +--rw 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 service
  |  +--rw password-encryption?   empty
  +--rw user
  |  +--ro unlock
  |     +--ro input
  |     |  +--ro username     string
  |     |  +--ro rbridge-id?  common-def:rbridge-id-all-type
  |     +--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:vrf-name
  |     +--rw auth-port?         rad-auth-port
  |     +--rw protocol?          rad-auth-protocols
  |     +--rw key?               string
  |     +--rw encryption-level?  enumeration
  |     +--rw retries?           uint32
  |     +--rw timeout?           uint32
  +--rw tacacs-server
  |  +--rw host [hostname use-vrf]
  |  |  +--rw hostname           string
  |  |  +--rw use-vrf            common-def:vrf-name
  |  |  +--rw port?              tac-auth-port
  |  |  +--rw protocol?          tac-auth-protocols
  |  |  +--rw key?               string
  |  |  +--rw encryption-level?  enumeration
  |  |  +--rw retries?           uint8
  |  |  +--rw timeout?           uint8
```

```
|   +--rw tacacs-source-ip?   srcip_type
+--rw ldap-server
|   +--rw host [hostname use-vrf]
|   |   +--rw hostname     string
|   |   +--rw use-vrf      common-def:vrf-name
|   |   +--rw port?        ldap-auth-port
|   |   +--rw retries?     uint8
|   |   +--rw timeout?     uint8
|   |   +--rw basedn?      string
|   +--rw maprole
|       +--rw group [ad-group]
|           +--rw ad-group       string
|           +--rw switch-role    string
+--rw password-attributes
|   +--rw min-length?             uint32
|   +--rw max-retry?              uint32
|   +--rw max-lockout-duration?   uint32
|   +--rw character-restriction
|   |   +--rw upper?          uint32
|   |   +--rw lower?          uint32
|   |   +--rw numeric?        uint32
|   |   +--rw special-char?   uint32
|   +--rw admin-lockout-enable?    empty
+--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-b)
|           |   +--rw interface-fcoe
|           |       +--rw interface
|           |           +--rw fcoe-cont?
|           +--:(interface-c)
|           |   +--rw interface-te
|           |       +--rw interface
|           |           +--rw tengigabitethernet-cont?
|           +--:(interface-d)
|           |   +--rw interface-fcoe-leaf
|           |       +--rw interface
|           |           +--rw fcoe-leaf?    fcoe:interface-fcoe-type
|           +--:(interface-e)
|           |   +--rw interface-te-leaf
|           |       +--rw interface
|           |           +--rw tengigabitethernet-leaf?   interface:interface-type
|           +--:(interface-f)
|           |   +--rw interface-mgmt
|           |       +--rw interface
|           |           +--rw management-cont?
|           +--:(interface-g)
|           |   +--rw interface-ge
|           |       +--rw interface
|           |           +--rw gigabitethernet-cont?
|           +--:(interface-h)
|           |   +--rw interface-ge-leaf
|           |       +--rw interface
|           |           +--rw gigabitethernet-leaf?   interface:interface-type
|           +--:(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-k)
|          |  +--rw interface-vlan
|          |     +--rw interface
|          |        +--rw vlan-cont?
|          +--:(interface-l)
|          |  +--rw interface-vlan-leaf
|          |     +--rw interface
|          |        +--rw vlan-leaf?   interface:vlan-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
|          +--:(interface-r)
|          |  +--rw interface-fc
|          |     +--rw interface
|          |        +--rw fibrechannel-cont?
|          +--:(interface-s)
|          |  +--rw interface-fc-leaf
|          |     +--rw interface
|          |        +--rw fibrechannel-leaf?   interface:interface-type
|          +--:(interface-t)
|          |  +--rw interface-fe
|          |     +--rw interface
|          |        +--rw fortygigabitethernet-cont?
|          +--:(interface-u)
|          |  +--rw interface-fe-leaf
|          |     +--rw interface
|          |        +--rw fortygigabitethernet-leaf?   interface:interface-type
|          +--:(interface-v)
|          |  +--rw interface-he
|          |     +--rw interface
|          |        +--rw hundredgigabitethernet-cont?
|          +--:(interface-w)
|          |  +--rw interface-he-leaf
|          |     +--rw interface
|          |        +--rw hundredgigabitethernet-leaf?   interface:interface-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?
|           +--:(show-b)
|           |  +--rw show-running
|           |     +--rw show
|           |        +--rw show-running-config-cont?
|           +--:(show-c)
|           |  +--rw show-startupcfg
|           |     +--rw show
|           |        +--rw show-startup-config-cont?
|           +--:(show-d)
|           |  +--rw show-startupdb
|           |     +--rw show
|           |        +--rw show-startup-db-cont?
|           +--:(show-e)
|           |  +--rw show-rb-local-runcfg
|           |     +--rw show
|           |        +--rw show-rb-local-runcfg-cont?
|           +--:(show-f)
|           |  +--rw show-rb-runcfg
|           |     +--rw show
|           |        +--rw show-rb-runcfg-cont?
|           +--:(show-g)
|           |  +--rw show-legacy-runcfg
|           |     +--rw show
|           |        +--rw show-legacy-runcfg-cont?
|           +--:(show-h)
|           |  +--rw show-lcl-runcfg
|           |     +--rw show
|           |        +--rw show-lcl-runcfg-cont?
|           +--:(show-i)
|              +--rw show-cli-history
|                 +--rw show
|                    +--rw show-cli-hist-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
```

External augmentations

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

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

Actions

Unlock a user account:

```
module: extreme-aaa
   +--rw user
   |  +--ro unlock
   |     +--ro input
   |     |  +--ro username      string
   |     +--ro output
   |        +--ro Result?   string

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

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Augment to extreme-rbridge with container *root*, leaves *enable* and *access* was added. • Leaf *max-lockout-duration* was added within container *password-attributes*. • Type of leaf *fcoe-leaf* under container *interface-fcoe-leaf* was changed from *string* to *interface:fcoe-interface-range*. • Type of leaf *tengigabitethernet-leaf* under container *interface-te-leaf* was changed from *string* to *interface:interface-type*. • Type of leaf *gigabitethernet-leaf* under container *interface-ge-leaf* was changed from *string* to *interface-type*. • Type of leaf *port-channel-leaf* under container *interface-pc-leaf* was changed from *string* to *portchannel-type*. • Container *command* under the list *rule* was modified to add cases *interface-l* to *interface-w*.
6.0.1a	This YANG module was modified to include the following: Type of leaf *fcoe-leaf* under container *interface* within container *interface-fcoe-leaf* was changed from *interface:fcoe-interface-range* to *fcoe:interface-fcoe-type*
7.0.0	This YANG module was modified to include the following: • Key of list *host* was changed from *hostname* to *hostname use-vrf*. • Leaf *use-vrf* was added under list *host* within container *radius-server*. • Leaf *use-vrf* was added under list *host* within container *tacacs-server*. • Leaf *use-vrf* was added under list *host* within container *ldap-server*.
7.0.1	This YANG module was modified to include the following: Leaves *access-time* and *end-time* were added under list *username*.
7.1.0	This YANG module was modified to include the following: Container *show-running* , *show-startupcfg*, *show-startupdb* , *show-rb-local-runcfg*, and *show-rb-runcfg* were added under the list *rule*.

extreme-aaa-ext

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

External augmentations

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

Actions

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

History

extreme-arp

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

Top-level container

RPCs

Return ARP entries of the managed entity:

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

History

	History
17s.1.00	This Yang module was introduced.

extreme-bgp

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

External augmentations

```
module: extreme-rbridge
    +--rw rbridge-id [rbridge-id]
       +--rw router
       | +--rw bgp:router-bgp? /*alt-name:"bgp"*/
       | | +--rw bgp:router-bgp-attributes /*drop-node-name*/
       | | | +--rw bgp:local-as?                   local-as-type
       | | | +--rw bgp:always-compare-med?         empty
       | | | +--rw bgp:compare-med-empty-aspath?   empty
       | | | +--rw bgp:med-missing-as-worst?       empty
       | | | +--rw bgp:as-path-ignore?             empty
       | | | +--rw bgp:compare-routerid?           empty
       | | | +--rw bgp:install-igp-cost?           empty
       | | | +--rw bgp:cluster-id
       | | | | +--rw (ch-cluster-id)?
       | | | |    +--:(ca-cluster-id)
       | | | |    | +--rw bgp:cluster-id-value?          decimal-number /*drop-node-name*/ /*alt-name:"id"*/
       | | | |    +--:(ca-cluster-id-ipv4-address)
       | | | |       +--rw bgp:cluster-id-ipv4-address?   inet:ipv4-address /*alt-name:"ipv4-address"*/
       | | | +--rw bgp:default-local-preference?   local-preference-number
       | | | +--rw bgp:distance
       | | | | +--rw bgp:ext-route-distance?   ext-route-distance /*drop-node-name*/
       | | | | +--rw bgp:int-route-distance?   int-route-distance /*drop-node-name*/
       | | | | +--rw bgp:lcl-route-distance?   lcl-route-distance /*drop-node-name*/
       | | | +--rw bgp:capability
       | | | | +--rw bgp:as4-enable?   empty
       | | | +--rw bgp:maxas-limit
       | | | | +--rw bgp:in
       | | | |    +--rw bgp:num-as-in-path?   num-as-in-path /*drop-node-name*/
       | | | +--rw bgp:enforce-first-as?        empty
       | | | +--rw bgp:fast-external-fallover?   empty
       | | | +--rw bgp:timers
       | | | | +--rw bgp:keep-alive?   nei-keep-alive
       | | | | +--rw bgp:hold-time?    nei-hold-time
       | | | +--rw bgp:log-dampening-debug?        empty
       | | | +--rw bgp:confederation
       | | | | +--rw bgp:identifier?   cidentifier
       | | | | +--rw bgp:peers*        cidentifier
       | | | +--rw bgp:bfd
       | | | | +--rw bgp:holdover-interval?   bfd:bfd-holdover-interval
       | | | | +--rw bgp:interval
       | | | |    +--rw bgp:min-tx?       bfd-tx-interval-type
       | | | |    +--rw bgp:min-rx?       bfd-rx-interval-type
       | | | |    +--rw bgp:multiplier?   bfd-multiplier-type
       | | | +--rw bgp:auto-shutdown-new-neighbors?   empty
       | | | +--rw bgp:neighbor
       | | |    +--rw bgp:peer-grps /*drop-node-name*/
       | | |    | +--rw bgp:neighbor-peer-grp [router-bgp-neighbor-peer-grp] /*drop-node-name*/
       | | |    |    +--rw bgp:router-bgp-neighbor-peer-grp    bgp-peergroup /*alt-name:"address"*/
       | | |    |    +--rw bgp:peer-group-name?               empty /*alt-name:"peer-group"*/
       | | |    |    +--rw bgp:remote-as?                     bgp-remote-as
       | | |    |    +--rw bgp:update-source
       | | |    |    | +--rw (ch-update-source)?
       | | |    |    |    +--:(ca-ipv4)
       | | |    |    |    | +--rw bgp:sip-ipv4-address?     sip-ipv4-address /*drop-node-name*/
       | | |    |    |    +--:(ca-eth)
       | | |    |    |    | +--rw bgp:ethernet-interface /*drop-node-name*/
       | | |    |    |    |    +--rw bgp:interface-type?   enumeration /*drop-node-name*/
       | | |    |    |    |    +--rw bgp:ethernet?         update-source-ethernet-type /*drop-node-name*/
       | | |    |    |    +--:(ca-port-channel)
```

```
|  |  |     |     |     |  +--rw bgp:port-channel?          interface:portchannel-type
|  |  |     |     |     +--:(ca-loopback)
|  |  |     |     |     |  +--rw bgp:loopback?              loopback-interface
|  |  |     |     |     +--:(ca-ve)
|  |  |     |     |        +--rw bgp:ve-interface?          interface:ve-type
|  |  |     +--rw bgp:description?                          neighbor-description
|  |  |     +--rw bgp:local-as
|  |  |     |  +--rw bgp:local-as-value?    local-as-num /*drop-node-name*/
|  |  |     |  +--rw bgp:no-prepend?        empty
|  |  |     +--rw bgp:next-hop-self
|  |  |     |  +--rw (ch-next-hop-self-type)?
|  |  |     |     +--:(ca-next-hop-self-always)
|  |  |     |     |  +--rw bgp:next-hop-self-always?    empty /*alt-name:"always"*/
|  |  |     |     +--:(ca-next-hop-self-status)
|  |  |     |        +--rw bgp:next-hop-self-status?    empty /*drop-node-name*/
|  |  |     +--rw bgp:advertisement-interval
|  |  |     |  +--rw bgp:value?    adv-value /*drop-node-name*/
|  |  |     +--rw bgp:ebgp-btsh?                            empty
|  |  |     +--rw bgp:ebgp-multihop
|  |  |     |  +--rw (ch-ebgp-multihop-type)?
|  |  |     |     +--:(ca-ebgp-multihop-flag)
|  |  |     |     |  +--rw bgp:ebgp-multihop-flag?    empty /*drop-node-name*/
|  |  |     |     +--:(ca-ebgp-multihop-count)
|  |  |     |        +--rw bgp:ebgp-multihop-count?    uint32 /*drop-node-name*/
|  |  |     +--rw bgp:password?                             bgp-password
|  |  |     +--rw bgp:enforce-first-as
|  |  |     |  +--rw bgp:nei-enforce-first-as?             empty /*alt-name:"enable"*/
|  |  |     |  +--rw bgp:nei-enforce-first-as-disable?     empty /*alt-name:"disable"*/
|  |  |     +--rw bgp:timers
|  |  |     |  +--rw bgp:nei-keep-alive?    nei-keep-alive /*alt-name:"keep-alive"*/
|  |  |     |  +--rw bgp:nei-hold-time?     nei-hold-time /*alt-name:"hold-time"*/
|  |  |     +--rw bgp:remove-private-as?                    empty
|  |  |     +--rw bgp:as-override?                          empty
|  |  |     +--rw bgp:soft-reconfiguration
|  |  |     |  +--rw bgp:inbound?    empty
|  |  |     +--rw bgp:static-network-edge?                  empty
|  |  |     +--rw bgp:bfd
|  |  |     |  +--rw bgp:bfd-enable?            empty /*drop-node-name*/
|  |  |     |  +--rw bgp:holdover-interval?    bfd:bfd-holdover-interval
|  |  |     |  +--rw bgp:interval
|  |  |     |     +--rw bgp:min-tx?        bfd-tx-interval-type
|  |  |     |     +--rw bgp:min-rx?        bfd-rx-interval-type
|  |  |     |     +--rw bgp:multiplier?    bfd-multiplier-type
|  |  |     +--rw bgp:maxas-limit
|  |  |     |  +--rw bgp:in
|  |  |     |     +--rw (ch-maxas-limit)?
|  |  |     |        +--:(ca-maxas-limit-enable)
|  |  |     |        |  +--rw bgp:num-as-in-as-path?       num-as-in-as-path /*drop-node-name*/
|  |  |     |        +--:(ca-maxas-limit-disable)
|  |  |     |           +--rw bgp:maxas-limit-disable?    empty /*alt-name:"disable"*/
|  |  |     +--rw bgp:af-neighbor-capability /*alt-name:"capability"*/
|  |  |     |  +--rw bgp:as4
|  |  |     |     +--rw bgp:neighbor-as4-enable?     empty /*alt-name:"enable"*/
|  |  |     |     +--rw bgp:neighbor-as4-disable?    empty /*alt-name:"disable"*/
|  |  |     +--rw bgp:shutdown
|  |  |        +--rw bgp:shutdown-status?    empty /*drop-node-name*/
|  |  |        +--rw bgp:generate-rib-out?    empty
|  |  +--rw bgp:neighbor-ipv6s /*drop-node-name*/
|  |  |  +--rw bgp:neighbor-ipv6-addr [router-bgp-neighbor-ipv6-address] /*drop-node-name*/
|  |  |     +--rw bgp:router-bgp-neighbor-ipv6-address    inet:ipv6-address /*alt-name:"address"*/
|  |  |     +--rw bgp:remote-as?                              bgp-remote-as
|  |  |     +--rw bgp:associate-peer-group?                   bgp-peergroup /*alt-name:"peer-group"*/
|  |  |     +--rw bgp:update-source
|  |  |     |  +--rw (ch-update-source)?
|  |  |     |     +--:(ca-ipv6)
|  |  |     |     |  +--rw bgp:sip-ipv6-address?    sip-ipv6-address /*drop-node-name*/
|  |  |     |     +--:(ca-eth)
|  |  |     |     |  +--rw bgp:ethernet-interface /*drop-node-name*/
|  |  |     |     |     +--rw bgp:interface-type?    enumeration /*drop-node-name*/
```

```
| | | |      |      |        |     +--rw bgp:ethernet?         update-source-ethernet-type /*drop-node-
name*/
| | | |      |      |        +--:(ca-port-channel)
| | | |      |      |        | +--rw bgp:port-channel?         interface:portchannel-type
| | | |      |      |        +--:(ca-loopback)
| | | |      |      |        | +--rw bgp:loopback?             loopback-interface
| | | |      |      |        +--:(ca-ve)
| | | |      |      |          +--rw bgp:ve-interface?         interface:ve-type
| | | |      |   +--rw bgp:description?                        neighbor-description
| | | |      |   +--rw bgp:local-as
| | | |      |   | +--rw bgp:local-as-value?   local-as-num /*drop-node-name*/
| | | |      |   | +--rw bgp:no-prepend?       empty
| | | |      |   +--rw bgp:next-hop-self
| | | |      |   | +--rw (ch-next-hop-self-type)?
| | | |      |   |   +--:(ca-next-hop-self-always)
| | | |      |   |   | +--rw bgp:next-hop-self-always?   empty /*alt-name:"always"*/
| | | |      |   |   +--:(ca-next-hop-self-status)
| | | |      |   |     +--rw bgp:next-hop-self-status?   empty /*drop-node-name*/
| | | |      |   +--rw bgp:advertisement-interval
| | | |      |   | +--rw bgp:value?   adv-value /*drop-node-name*/
| | | |      |   +--rw bgp:ebgp-btsh?                          empty
| | | |      |   +--rw bgp:ebgp-multihop
| | | |      |   | +--rw (ch-ebgp-multihop-type)?
| | | |      |   |   +--:(ca-ebgp-multihop-flag)
| | | |      |   |   | +--rw bgp:ebgp-multihop-flag?    empty /*drop-node-name*/
| | | |      |   |   +--:(ca-ebgp-multihop-count)
| | | |      |   |     +--rw bgp:ebgp-multihop-count?   uint32 /*drop-node-name*/
| | | |      +--rw bgp:password?                          bgp-password
| | | |      +--rw bgp:enforce-first-as
| | | |      | +--rw bgp:nei-enforce-first-as?              empty /*alt-name:"enable"*/
| | | |      | +--rw bgp:nei-enforce-first-as-disable?      empty /*alt-name:"disable"*/
| | | |      +--rw bgp:timers
| | | |      | +--rw bgp:nei-keep-alive?   nei-keep-alive /*alt-name:"keep-alive"*/
| | | |      | +--rw bgp:nei-hold-time?    nei-hold-time /*alt-name:"hold-time"*/
| | | |      +--rw bgp:remove-private-as?                 empty
| | | |      +--rw bgp:as-override?                       empty
| | | |      +--rw bgp:soft-reconfiguration
| | | |      | +--rw bgp:inbound?    empty
| | | |      +--rw bgp:static-network-edge?               empty
| | | |      +--rw bgp:bfd
| | | |      | +--rw bgp:bfd-enable?          empty /*drop-node-name*/
| | | |      | +--rw bgp:holdover-interval?   bfd:bfd-holdover-interval
| | | |      | +--rw bgp:interval
| | | |      |   +--rw bgp:min-tx?       bfd-tx-interval-type
| | | |      |   +--rw bgp:min-rx?       bfd-rx-interval-type
| | | |      |   +--rw bgp:multiplier?   bfd-multiplier-type
| | | |      +--rw bgp:
| | | |      | +--rw bgp:in
| | | |      |   +--rw (chmaxas-limit-maxas-limit)?
| | | |      |     +--:(ca-maxas-limit-enable)
| | | |      |     | +--rw bgp:num-as-in-as-path?    num-as-in-as-path /*drop-node-
name*/
| | | |      |     +--:(ca-maxas-limit-disable)
| | | |      |       +--rw bgp:maxas-limit-disable?   empty /*alt-name:"disable"*/
| | | |      +--rw bgp:af-neighbor-capability /*alt-name:"capability"*/
| | | |      | +--rw bgp:as4
| | | |      |   +--rw bgp:neighbor-as4-enable?    empty /*alt-name:"enable"*/
| | | |      |   +--rw bgp:neighbor-as4-disable?   empty /*alt-name:"disable"*/
| | | |      +--rw bgp:shutdown
| | | |        +--rw bgp:shutdown-status?    empty /*drop-node-name*/
| | | |        +--rw bgp:generate-rib-out?   empty
| | | +--rw bgp:neighbor-ips /*drop-node-name*/
| | |    +--rw bgp:neighbor-addr [router-bgp-neighbor-address] /*drop-node-name*/
| | |       +--rw bgp:router-bgp-neighbor-address   inet:ipv4-address /*alt-
name:"address"*/
| | |       +--rw bgp:remote-as?                      bgp-remote-as
| | |       +--rw bgp:associate-peer-group?           bgp-peergroup /*alt-name:"peer-group"*/
| | |       +--rw bgp:update-source
| | |       | +--rw (ch-update-source)?
| | |       |   +--:(ca-ipv4)
| | |       |   | +--rw bgp:sip-ipv4-address?   sip-ipv4-address /*drop-node-name*/
| | |       |   +--:(ca-eth)
```

```
| | |                          |      | +--rw bgp:ethernet-interface /*drop-node-name*/
| | |                          |      |    +--rw bgp:interface-type?   enumeration /*drop-node-name*/
| | |                          |      |    +--rw bgp:ethernet?          update-source-ethernet-type /*drop-node-
name*/
| | |                          |   +--:(ca-port-channel)
| | |                          |   | +--rw bgp:port-channel?          interface:portchannel-type
| | |                          |   +--:(ca-loopback)
| | |                          |   | +--rw bgp:loopback?              loopback-interface
| | |                          |   +--:(ca-ve)
| | |                          |     +--rw bgp:ve-interface?          interface:ve-type
| | |              +--rw bgp:description?                neighbor-description
| | |              +--rw bgp:local-as
| | |              | +--rw bgp:local-as-value?   local-as-num /*drop-node-name*/
| | |              | +--rw bgp:no-prepend?       empty
| | |              +--rw bgp:next-hop-self
| | |              | +--rw (ch-next-hop-self-type)?
| | |              |    +--:(ca-next-hop-self-always)
| | |              |    | +--rw bgp:next-hop-self-always?   empty /*alt-name:"always"*/
| | |              |    +--:(ca-next-hop-self-status)
| | |              |      +--rw bgp:next-hop-self-status?   empty /*drop-node-name*/
| | |              +--rw bgp:advertisement-interval
| | |              | +--rw bgp:value?   adv-value /*drop-node-name*/
| | |              +--rw bgp:ebgp-btsh?                empty
| | |              +--rw bgp:ebgp-multihop
| | |              | +--rw (ch-ebgp-multihop-type)?
| | |              |    +--:(ca-ebgp-multihop-flag)
| | |              |    | +--rw bgp:ebgp-multihop-flag?    empty /*drop-node-name*/
| | |              |    +--:(ca-ebgp-multihop-count)
| | |              |      +--rw bgp:ebgp-multihop-count?   uint32 /*drop-node-name*/
| | |              +--rw bgp:password?                bgp-password
| | |              +--rw bgp:enforce-first-as
| | |              | +--rw bgp:nei-enforce-first-as?         empty /*alt-name:"enable"*/
| | |              | +--rw bgp:nei-enforce-first-as-disable?  empty /*alt-name:"disable"*/
| | |              +--rw bgp:timers
| | |              | +--rw bgp:nei-keep-alive?   nei-keep-alive /*alt-name:"keep-alive"*/
| | |              | +--rw bgp:nei-hold-time?    nei-hold-time /*alt-name:"hold-time"*/
| | |              +--rw bgp:remove-private-as?       empty
| | |              +--rw bgp:as-override?             empty
| | |              +--rw bgp:soft-reconfiguration
| | |              | +--rw bgp:inbound?   empty
| | |              +--rw bgp:static-network-edge?      empty
| | |              +--rw bgp:bfd
| | |              | +--rw bgp:bfd-enable?             empty /*drop-node-name*/
| | |              | +--rw bgp:holdover-interval?      bfd:bfd-holdover-interval
| | |              | +--rw bgp:interval
| | |              |    +--rw bgp:min-tx?        bfd-tx-interval-type
| | |              |    +--rw bgp:min-rx?        bfd-rx-interval-type
| | |              |    +--rw bgp:multiplier?    bfd-multiplier-type
| | |              +--rw bgp:maxas-limit
| | |              | +--rw bgp:in
| | |              |    +--rw (ch-maxas-limit)?
| | |              |       +--:(ca-maxas-limit-enable)
| | |              |       | +--rw bgp:num-as-in-as-path?     num-as-in-as-path /*drop-node-
name*/
| | |              |       +--:(ca-maxas-limit-disable)
| | |              |         +--rw bgp:maxas-limit-disable?   empty /*alt-name:"disable"*/
| | |              +--rw bgp:af-neighbor-capability /*alt-name:"capability"*/
| | |              | +--rw bgp:as4
| | |              |    +--rw bgp:neighbor-as4-enable?    empty /*alt-name:"enable"*/
| | |              |    +--rw bgp:neighbor-as4-disable?   empty /*alt-name:"disable"*/
| | |              +--rw bgp:shutdown
| | |                 +--rw bgp:shutdown-status?   empty /*drop-node-name*/
| | |                 +--rw bgp:generate-rib-out?   empty
| | +--rw bgp:address-family
| |    +--rw bgp:ipv4
| |       +--rw bgp:ipv4-unicast /*alt-name:"unicast"*/
| |          +--rw bgp:default-vrf /*drop-node-name*/
| |          | +--rw bgp:default-vrf-selected?                          empty /*drop-node-name*/
| |          | +--rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder /*drop-node-name*/
| |          | | +--rw bgp:bgp-redistribute-internal?   empty
| |          | | +--rw bgp:redistribute
| |          | |    +--rw bgp:bgp
```

```
|  |      |      |  |      |   +--rw bgp:redistribute-bgp?       empty /*drop-node-name*/
|  |      |      |  |      |   +--rw bgp:bgp-metric?             conn-metric /*alt-name:"metric"*/
|  |      |      |  |      |   +--rw bgp:bgp-route-map?          rmap-type /*alt-name:"route-map"*/
|  |      |      |  |    +--rw bgp:connected
|  |      |      |  |      |   +--rw bgp:redistribute-connected? empty /*drop-node-name*/
|  |      |      |  |      |   +--rw bgp:unicast-metric?          conn-metric /*alt-name:"metric"*/
|  |      |      |  |      |   +--rw bgp:redistribute-route-map?  rmap-type /*alt-name:"route-map"*/
|  |      |      |  |    +--rw bgp:ospf
|  |      |      |  |      |   +--rw bgp:redistribute-ospf?      empty /*drop-node-name*/
|  |      |      |  |      |   +--rw bgp:match
|  |      |      |  |      |   |  +--rw bgp:ospf-internal?       empty /*alt-name:"internal"*/
|  |      |      |  |      |   |  +--rw bgp:ospf-external1?      empty /*alt-name:"external1"*/
|  |      |      |  |      |   |  +--rw bgp:ospf-external2?      empty /*alt-name:"external2"*/
|  |      |      |  |      |   +--rw bgp:ospf-metric?            conn-metric /*alt-name:"metric"*/
|  |      |      |  |      |   +--rw bgp:ospf-route-map?         rmap-type /*alt-name:"route-map"*/
|  |      |      |  |    +--rw bgp:static
|  |      |      |  |        +--rw bgp:redistribute-static?     empty /*drop-node-name*/
|  |      |      |  |        +--rw bgp:unicast-static-metric?   conn-metric /*alt-name:"metric"*/
|  |      |      |  |        +--rw bgp:static-route-map?        rmap-type /*alt-name:"route-map"*/
|  |      |      |  +--rw bgp:static-network [static-network-address]
|  |      |      |  |  +--rw bgp:static-network-address    inet:ipv4-prefix /*drop-node-name*/
|  |      |      |  |  +--rw bgp:static-network-distance?  sdistance /*alt-name:"distance"*/
|  |      |      |  +--rw bgp:aggregate-address [aggregate-ip-prefix]
|  |      |      |  |  +--rw bgp:aggregate-ip-prefix     inet:ipv4-prefix
|  |      |      |  |  +--rw bgp:advertise-map?          advertise-map
|  |      |      |  |  +--rw bgp:as-set?                 empty
|  |      |      |  |  +--rw bgp:attribute-map?          attribute-map
|  |      |      |  |  +--rw bgp:summary-only?           empty
|  |      |      |  |  +--rw bgp:suppress-map?           suppress-map
|  |      |      |  +--rw bgp:network [network-ipv4-address]
|  |      |      |  |  +--rw bgp:network-ipv4-address    inet:ipv4-prefix
|  |      |      |  |  +--rw bgp:network-weight?         absolute-decimal-number /*alt-
name:"weight"*/
|  |      |      |  |  +--rw bgp:backdoor?               empty
|  |      |      |  |  +--rw bgp:network-route-map?      rmap-type /*alt-name:"route-map"*/
|  |      |      |  +--rw bgp:neighbor
|  |      |      |  |  +--rw bgp:af-ipv4-neighbor-peergroup-holder /*drop-node-name*/
|  |      |      |  |  |  +--rw bgp:af-ipv4-neighbor-peergroup [af-ipv4-neighbor-peergroup-name] /
*drop-node-name*/
|  |      |      |  |  |      +--rw bgp:af-ipv4-neighbor-peergroup-name   bgp-peergroup /*alt-
name:"address"*/
|  |      |      |  |  |      +--rw bgp:send-community
|  |      |      |  |  |      |  +--rw bgp:send-community-status?  empty
|  |      |      |  |  |      |  +--rw bgp:both?                   empty
|  |      |      |  |  |      |  +--rw bgp:extended?               empty
|  |      |      |  |  |      |  +--rw bgp:standard?               empty
|  |      |      |  |  |      +--rw bgp:af-neighbor-capability /*alt-name:"capability"*/
|  |      |      |  |  |      |  +--rw bgp:orf
|  |      |      |  |  |      |     +--rw bgp:prefixlist
|  |      |      |  |  |      |        +--rw bgp:prefixlist-status?   empty /*drop-node-name*/
|  |      |      |  |  |      |        +--rw bgp:prefixlist-send?     empty /*alt-name:"send"*/
|  |      |      |  |  |      |        +--rw bgp:prefixlist-receive?  empty /*alt-name:"receive"*/
|  |      |      |  |  |      +--rw bgp:additional-paths
|  |      |      |  |  |      |     +--rw bgp:add-path-both?  empty /*drop-node-name*/
|  |      |      |  |  |      |     +--rw bgp:send?           empty
|  |      |      |  |  |      |     +--rw bgp:receive?        empty
|  |      |      |  |  |      +--rw bgp:additional-paths
|  |      |      |  |  |      |  +--rw bgp:advertise
|  |      |      |  |  |      |     +--rw (ch-additional-paths)?
|  |      |      |  |  |      |        +--:(ca-best)
|  |      |      |  |  |      |        |  +--rw bgp:best?   additional-paths-best
|  |      |      |  |  |      |        +--:(ca-all)
|  |      |      |  |  |      |           +--rw bgp:all?    empty
|  |      |      |  |  |      +--rw bgp:allowas-in?                   uint32
|  |      |      |  |  |      +--rw bgp:activate?                     empty
|  |      |      |  |  |      +--rw bgp:enable-peer-as-check?         empty
|  |      |      |  |  |      +--rw bgp:filter-list
|  |      |      |  |  |      |  +--rw bgp:direction-in /*drop-node-name*/
|  |      |      |  |  |      |  |  +--rw bgp:filter-list-direction-in-acl-name?  ip-filter-name /
*drop-node-name*/
|  |      |      |  |  |      |  |  +--rw bgp:filter-list-name-direction-in?      empty /*alt-
name:"in"*/
```

```
|  |      |     | | |    |  +--rw bgp:direction-out /*drop-node-name*/
|  |      |     | | |    |      +--rw bgp:filter-list-direction-out-acl-name?  ip-filter-name /
*drop-node-name*/
|  |      |     | | |    |      +--rw bgp:filter-list-name-direction-out?      empty /*alt-
name:"out"*/
|  |      |     | | |  +--rw bgp:maximum-prefix
|  |      |     | | |  |  +--rw bgp:max-prefix-limit?  max-prefix-limit /*drop-node-name*/
|  |      |     | | |  |  +--rw bgp:threshold-holder /*drop-node-name*/
|  |      |     | | |  |      +--rw bgp:threshold?  max-prefix-threshold /*drop-node-name*/
|  |      |     | | |  |      +--rw bgp:teardown?    empty
|  |      |     | | |  +--rw bgp:default-originate
|  |      |     | | |  |  +--rw bgp:default-originate-status?     empty /*drop-node-name*/
|  |      |     | | |  |  +--rw bgp:default-originate-route-map?  rmap-type /*alt-
name:"route-map"*/
|  |      |     | | |  +--rw bgp:prefix-list
|  |      |     | | |  |  +--rw bgp:direction-in /*drop-node-name*/
|  |      |     | | |  |  |  +--rw bgp:prefix-list-direction-in-prefix-name?  nei-prefix-
list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
|  |      |     | | |  |  |  +--rw bgp:prefix-list-direction-in?             empty /*alt-
name:"in"*/
|  |      |     | | |  |  +--rw bgp:direction-out /*drop-node-name*/
|  |      |     | | |  |      +--rw bgp:prefix-list-direction-out-prefix-name?  nei-prefix-
list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
|  |      |     | | |  |      +--rw bgp:prefix-list-direction-out?            empty /*alt-
name:"out"*/
|  |      |     | | |  +--rw bgp:neighbor-route-map /*alt-name:"route-map"*/
|  |      |     | | |  |  +--rw bgp:neighbor-route-map-direction-in /*alt-name:"in"*/
|  |      |     | | |  |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64 /*drop-node-name*/
|  |      |     | | |  |  +--rw bgp:neighbor-route-map-direction-out /*alt-name:"out"*/
|  |      |     | | |  |      +--rw bgp:neighbor-route-map-name-direction-out?  common-
def:name-string64 /*drop-node-name*/
|  |      |     | | |  +--rw bgp:route-reflector-client?       empty
|  |      |     | | |  +--rw bgp:unsuppress-map
|  |      |     | | |  |  +--rw bgp:map-name?  rmap-type /*drop-node-name*/
|  |      |     | | |  +--rw bgp:af-nei-weight?                nei-weight /*alt-
name:"weight"*/
|  |      |     | | +--rw bgp:af-ipv4-neighbor-address-holder /*drop-node-name*/
|  |      |     | |    +--rw bgp:af-ipv4-neighbor-address [af-ipv4-neighbor-address] /*drop-node-
name*/
|  |      |     | |       +--rw bgp:af-ipv4-neighbor-address   inet:ipv4-address /*alt-
name:"address"*/
|  |      |     | |       +--rw bgp:send-community
|  |      |     | |       |  +--rw bgp:send-community-status?  empty /*drop-node-name*/
|  |      |     | |       |  +--rw bgp:both?                   empty
|  |      |     | |       |  +--rw bgp:extended?               empty
|  |      |     | |       |  +--rw bgp:standard?               empty
|  |      |     | |       +--rw bgp:af-neighbor-capability /*alt-name:"capability"*/
|  |      |     | |       |  +--rw bgp:orf
|  |      |     | |       |     +--rw bgp:prefixlist
|  |      |     | |       |        +--rw bgp:prefixlist-status?   empty /*drop-node-name*/
|  |      |     | |       |        +--rw bgp:prefixlist-send?     empty /*alt-name:"send"*/
|  |      |     | |       |        +--rw bgp:prefixlist-receive?  empty /*alt-name:"receive"*/
|  |      |     | |       |  +--rw bgp:additional-paths
|  |      |     | |       |     +--rw bgp:add-path-both?  empty /*drop-node-name*/
|  |      |     | |       |     +--rw bgp:send?           empty
|  |      |     | |       |     +--rw bgp:receive?        empty
|  |      |     | |       +--rw bgp:additional-paths
|  |      |     | |       |  +--rw bgp:advertise
|  |      |     | |       |     +--rw (ch-additional-paths)?
|  |      |     | |       |        +--:(ca-best)
|  |      |     | |       |        |  +--rw bgp:best?  additional-paths-best
|  |      |     | |       |        +--:(ca-all)
|  |      |     | |       |           +--rw bgp:all?   empty
|  |      |     | |       +--rw bgp:allowas-in?                 uint32
|  |      |     | |       +--rw bgp:activate?                   empty
|  |      |     | |       +--rw bgp:filter-list
|  |      |     | |       |  +--rw bgp:direction-in /*drop-node-name*/
|  |      |     | |       |  |  +--rw bgp:filter-list-direction-in-acl-name?  ip-filter-name /
*drop-node-name*/
|  |      |     | |       |  |  +--rw bgp:filter-list-name-direction-in?      empty /*alt-
name:"in"*/
```

```
  |  |     |     |  |           |  +--rw bgp:direction-out /*drop-node-name*/
  |  |     |     |  |           |   +--rw bgp:filter-list-direction-out-acl-name?   ip-filter-name /
*drop-node-name*/
  |  |     |     |  |           |   +--rw bgp:filter-list-name-direction-out?        empty /*alt-
name:"out"*/
  |  |     |     |  |        +--rw bgp:maximum-prefix
  |  |     |     |  |        |  +--rw bgp:max-prefix-limit?   max-prefix-limit /*drop-node-name*/
  |  |     |     |  |        |  +--rw bgp:threshold-holder /*drop-node-name*/
  |  |     |     |  |        |   +--rw bgp:threshold?   max-prefix-threshold /*drop-node-name*/
  |  |     |     |  |        |   +--rw bgp:teardown?    empty
  |  |     |     |  |        +--rw bgp:default-originate
  |  |     |     |  |        |  +--rw bgp:default-originate-status?      empty /*drop-node-name*/
  |  |     |     |  |        |  +--rw bgp:default-originate-route-map?    rmap-type /*alt-
name:"route-map"*/
  |  |     |     |  |        +--rw bgp:prefix-list
  |  |     |     |  |        |  +--rw bgp:direction-in /*drop-node-name*/
  |  |     |     |  |        |  |  +--rw bgp:prefix-list-direction-in-prefix-name?   nei-prefix-
list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
  |  |     |     |  |        |  |  +--rw bgp:prefix-list-direction-in?              empty /*alt-
name:"in"*/
  |  |     |     |  |        |  +--rw bgp:direction-out /*drop-node-name*/
  |  |     |     |  |        |   +--rw bgp:prefix-list-direction-out-prefix-name?   nei-prefix-
list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
  |  |     |     |  |        |   +--rw bgp:prefix-list-direction-out?              empty /*alt-
name:"out"*/
  |  |     |     |  |        +--rw bgp:neighbor-route-map /*alt-name:"route-map"*/
  |  |     |     |  |        |  +--rw bgp:neighbor-route-map-direction-in /*alt-name:"in"*/
  |  |     |     |  |        |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64 /*drop-node-name*/
  |  |     |     |  |        |  +--rw bgp:neighbor-route-map-direction-out /*alt-name:"out"*/
  |  |     |     |  |        |   +--rw bgp:neighbor-route-map-name-direction-out?   common-
def:name-string64 /*drop-node-name*/
  |  |     |     |  |        +--rw bgp:route-reflector-client?    empty
  |  |     |     |  |        +--rw bgp:unsuppress-map
  |  |     |     |  |        |  +--rw bgp:map-name?   rmap-type /*drop-node-name*/
  |  |     |     |  |        +--rw bgp:af-nei-weight?              nei-weight /*alt-name:"weight"*/
  |  |     |     |  +--rw bgp:af-common-cmds-holder /*drop-node-name*/
  |  |     |     |  |  +--rw bgp:maximum-paths
  |  |     |     |  |  |  +--rw bgp:load-sharing-value?   uint32 /*drop-node-name*/
  |  |     |     |  |  |  +--rw bgp:ebgp?                 ebgp-paths
  |  |     |     |  |  |  +--rw bgp:ibgp?                 ibgp-paths
  |  |     |     |  |  |  +--rw bgp:use-load-sharing?     empty
  |  |     |     |  |  +--rw bgp:multipath
  |  |     |     |  |  |  +--rw bgp:multipath_ebgp?   empty /*alt-name:"ebgp"*/
  |  |     |     |  |  |  +--rw bgp:multipath_ibgp?   empty /*alt-name:"ibgp"*/
  |  |     |     |  |  |  +--rw bgp:multi-as?         empty
  |  |     |     |  |  +--rw bgp:always-propagate?              empty
  |  |     |     |  |  +--rw bgp:default-information-originate?  empty
  |  |     |     |  |  +--rw bgp:rib-route-limit?                rib-route-number
  |  |     |     |  |  +--rw bgp:client-to-client-reflection?    empty
  |  |     |     |  |  +--rw bgp:dampening
  |  |     |     |  |  |  +--rw (ch-dampening-source)?
  |  |     |     |  |  |   +--:(ca-dampening-flag)
  |  |     |     |  |  |   |  +--rw bgp:dampening-flag?          empty /*drop-node-name*/
  |  |     |     |  |  |   +--:(ca-dampening-specify-values)
  |  |     |     |  |  |   |  +--rw bgp:values /*drop-node-name*/
  |  |     |     |  |  |   |   +--rw bgp:half-time?              htime /*drop-node-name*/
  |  |     |     |  |  |   |   +--rw bgp:reuse-value?            damp-reuse-value /*drop-node-
name*/
  |  |     |     |  |  |   |   +--rw bgp:start-suppress-time?   damp-start-suppress-value /
*drop-node-name*/
  |  |     |     |  |  |   |   +--rw bgp:max-suppress-time?     damp-max-suppress-value /*drop-
node-name*/
  |  |     |     |  |  |   +--:(ca-dampening-route-map)
  |  |     |     |  |  |    +--rw bgp:dampening-route-map?   rmap-type /*alt-name:"route-map"*/
  |  |     |     |  +--rw bgp:default-metric?                 default-metric-number
  |  |     |     |  +--rw bgp:next-hop-enable-default?         empty
  |  |     |     |  +--rw bgp:table-map
  |  |     |     |  |  +--rw bgp:table-map-route-map?   rmap-type /*drop-node-name*/; /*alt-
name:"route-map"*/
  |  |     |     |  +--rw bgp:update-time?                       update-time-type
  |  |     |     |  +--rw bgp:graceful-restart
```

```
| |       |           | |      +--rw bgp:graceful-restart-status?   empty /*drop-node-name*/
| |       |           | |      +--rw bgp:restart-time?              rtime-type
| |       |           | |      +--rw bgp:purge-time?                ptime-type
| |       |           | |      +--rw bgp:stale-routes-time?         st-time-type
| |       |           | +--rw bgp:next-hop-recursion?                    empty
| |       |          +--rw bgp:af-vrf [af-vrf-name] /*alt-name:"vrf"*/
| |       |             +--rw bgp:af-vrf-name                             string /*alt-name:"vrf-
name"*/
| |       |             +--rw bgp:local-as?                               local-as-type
| |       |             +--rw bgp:maxas-limit
| |       |             |  +--rw bgp:in
| |       |             |     +--rw bgp:num-as-in-path?  num-as-in-path /*drop-node-name*/
| |       |             +--rw bgp:next-hop-recursion?                     empty
| |       |             +--rw bgp:graceful-restart-status?                empty /*alt-
name:graceful-restart*/
| |       |             +--rw bgp:af-ipv4-uc-and-vrf-cmds-call-point-holder /*drop-node-name*/
| |       |             |  +--rw bgp:bgp-redistribute-internal?   empty
| |       |             |  +--rw bgp:redistribute
| |       |             |     +--rw bgp:bgp
| |       |             |     |  +--rw bgp:redistribute-bgp?   empty /*drop-node-name*/
| |       |             |     |  +--rw bgp:bgp-metric?          conn-metric /*alt-name:"metric"*/
| |       |             |     |  +--rw bgp:bgp-route-map?       rmap-type /*alt-name:"route-map"*/
| |       |             |     +--rw bgp:connected
| |       |             |     |  +--rw bgp:redistribute-connected?   empty /*drop-node-name*/
| |       |             |     |  +--rw bgp:unicast-metric?            conn-metric /*alt-name:"metric"*/
| |       |             |     |  +--rw bgp:redistribute-route-map?    rmap-type /*alt-name:"route-map"*/
| |       |             |     +--rw bgp:ospf
| |       |             |     |  +--rw bgp:redistribute-ospf?   empty /*drop-node-name*/
| |       |             |     |  +--rw bgp:match
| |       |             |     |  |  +--rw bgp:ospf-internal?    empty /*alt-name:"internal"*/
| |       |             |     |  |  +--rw bgp:ospf-external1?   empty /*alt-name:"external1"*/
| |       |             |     |  |  +--rw bgp:ospf-external2?   empty /*alt-name:"external2"*/
| |       |             |     |  +--rw bgp:ospf-metric?         conn-metric /*alt-name:"metric"*/
| |       |             |     |  +--rw bgp:ospf-route-map?      rmap-type /*alt-name:"route-map"*/
| |       |             |     +--rw bgp:static
| |       |             |        +--rw bgp:redistribute-static?      empty /*drop-node-name*/
| |       |             |        +--rw bgp:unicast-static-metric?    conn-metric /*alt-name:"metric"*/
| |       |             |        +--rw bgp:static-route-map?         rmap-type /*alt-name:"route-map"*/
| |       |             +--rw bgp:static-network [static-network-address]
| |       |             |  +--rw bgp:static-network-address         inet:ipv4-prefix /*drop-node-name*/
| |       |             |  +--rw bgp:static-network-distance?       sdistance /*alt-name:"distance"*/
| |       |             +--rw bgp:aggregate-address [aggregate-ip-prefix]
| |       |             |  +--rw bgp:aggregate-ip-prefix    inet:ipv4-prefix
| |       |             |  +--rw bgp:advertise-map?         advertise-map
| |       |             |  +--rw bgp:as-set?                empty
| |       |             |  +--rw bgp:attribute-map?         attribute-map
| |       |             |  +--rw bgp:summary-only?          empty
| |       |             |  +--rw bgp:suppress-map?          suppress-map
| |       |             +--rw bgp:network [network-ipv4-address]
| |       |             |  +--rw bgp:network-ipv4-address    inet:ipv4-prefix
| |       |             |  +--rw bgp:network-weight?         absolute-decimal-number /*alt-
name:"weight"*/
| |       |             |  +--rw bgp:backdoor?              empty
| |       |             |  +--rw bgp:network-route-map?     rmap-type /*alt-name:"route-map"*/
| |       |             +--rw bgp:neighbor
| |       |             |  +--rw bgp:af-ipv4-vrf-neighbor-address-holder /*drop-node-name*/
| |       |             |     +--rw bgp:af-ipv4-neighbor-addr [af-ipv4-neighbor-address] /*drop-node-
name*/
| |       |             |        +--rw bgp:af-ipv4-neighbor-address    inet:ipv4-address /*alt-
name:"address"*/
| |       |             |        +--rw bgp:associate-peer-group?       bgp-peergroup /*alt-name:"peer-
group"*/
| |       |             |        +--rw bgp:remote-as?                  bgp-remote-as
| |       |             |        +--rw bgp:shutdown
| |       |             |        |  +--rw bgp:shutdown-status?   empty /*drop-node-name*/
| |       |             |        |  +--rw bgp:generate-rib-out?   empty
| |       |             |        +--rw bgp:allowas-in?                 uint32
| |       |             |        +--rw bgp:activate?                   empty
| |       |             |        +--rw bgp:filter-list
| |       |             |        |  +--rw bgp:direction-in /*drop-node-name*/
| |       |             |        |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-filter-name /
*drop-node-name*/
```

```
    |  |      |        |                 |  |  +--rw bgp:filter-list-name-direction-in?       empty /*alt-
name:"in"*/
    |  |      |        |                 |  +--rw bgp:direction-out /*drop-node-name*/
    |  |      |        |                 |     +--rw bgp:filter-list-direction-out-acl-name?   ip-filter-name /
*drop-node-name*/
    |  |      |        |                 |     +--rw bgp:filter-list-name-direction-out?      empty /*alt-
name:"out"*/
    |  |      |        |           +--rw bgp:maximum-prefix
    |  |      |        |           |  +--rw bgp:max-prefix-limit?   max-prefix-limit /*drop-node-name*/
    |  |      |        |           |  +--rw bgp:threshold-holder /*drop-node-name*/
    |  |      |        |           |     +--rw bgp:threshold?   max-prefix-threshold /*drop-node-name*/
    |  |      |        |           |     +--rw bgp:teardown?    empty
    |  |      |        |           +--rw bgp:default-originate
    |  |      |        |           |  +--rw bgp:default-originate-status?     empty /*drop-node-name*/
    |  |      |        |           |  +--rw bgp:default-originate-route-map?  rmap-type /*alt-
name:"route-map"*/
    |  |      |        |           +--rw bgp:prefix-list
    |  |      |        |           |  +--rw bgp:direction-in /*drop-node-name*/
    |  |      |        |           |  |  +--rw bgp:prefix-list-direction-in-prefix-name?   nei-prefix-
list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
    |  |      |        |           |  |  +--rw bgp:prefix-list-direction-in?               empty /*alt-
name:"in"*/
    |  |      |        |           |  +--rw bgp:direction-out /*drop-node-name*/
    |  |      |        |           |     +--rw bgp:prefix-list-direction-out-prefix-name?  nei-prefix-
list-filter /*drop-node-name*/; /*alt-name:"ip-access-number"*/
    |  |      |        |           |     +--rw bgp:prefix-list-direction-out?              empty /*alt-
name:"out"*/
    |  |      |        |           +--rw bgp:neighbor-route-map /*alt-name:"route-map"*/
    |  |      |        |           |  +--rw bgp:neighbor-route-map-direction-in /*alt-name:"in"*/
    |  |      |        |           |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64 /*drop-node-name*/
    |  |      |        |           |  +--rw bgp:neighbor-route-map-direction-out /*alt-name:"out"*/
    |  |      |        |           |     +--rw bgp:neighbor-route-map-name-direction-out?  common-
def:name-string64 /*drop-node-name*/
    |  |      |        |           +--rw bgp:route-reflector-client?      empty
    |  |      |        |           +--rw bgp:unsuppress-map
    |  |      |        |           |  +--rw bgp:map-name?   rmap-type /*drop-node-name*/
    |  |      |        |           +--rw bgp:af-nei-weight?               nei-weight /*alt-
name:"weight"*/
    |  |      |        |           +--rw bgp:af-vrf-neighbor-capability /*alt-name "capability"*/
    |  |      |        |           |  +--rw bgp:as4
    |  |      |        |           |  |  +--rw bgp:neighbor-as4-enable?    empty /*alt-name "enable"*/
    |  |      |        |           |  |  +--rw bgp:neighbor-as4-disable?   empty /*alt-name "disable"*/
    |  |      |        |           |  +--rw bgp:orf
    |  |      |        |           |  |  +--rw bgp:prefixlist
    |  |      |        |           |  |     +--rw bgp:prefixlist-status?    empty /*drop-node-name*/
    |  |      |        |           |  |     +--rw bgp:prefixlist-send?      empty /*alt-name "send"*/
    |  |      |        |           |  |     +--rw bgp:prefixlist-receive?   empty /*alt-name "receive"*/
    |  |      |        |           |  +--rw bgp:additional-paths
    |  |      |        |           |     +--rw bgp:add-path-both?   empty /*drop-node-name*/
    |  |      |        |           |     +--rw bgp:send?            empty
    |  |      |        |           |     +--rw bgp:receive?         empty
    |  |      |        |           +--rw bgp:description?                  neighbor-description
    |  |      |        |           +--rw bgp:local-as
    |  |      |        |           |  +--rw bgp:local-as-value?   local-as-num /*drop-node-name*/
    |  |      |        |           |  +--rw bgp:no-prepend?       empty
    |  |      |        |           +--rw bgp:next-hop-self
    |  |      |        |           |  +--rw (ch-next-hop-self-type)?
    |  |      |        |           |     +--:(ca-next-hop-self-always)
    |  |      |        |           |     |  +--rw bgp:next-hop-self-always?   empty /*alt-name:"always"*/
    |  |      |        |           |     +--:(ca-next-hop-self-status)
    |  |      |        |           |        +--rw bgp:next-hop-self-status?   empty /*drop-node-name*/
    |  |      |        |           +--rw bgp:advertisement-interval
    |  |      |        |           |  +--rw bgp:value?   adv-value /*drop-node-name*/
    |  |      |        |           +--rw bgp:ebgp-btsh?                    empty
    |  |      |        |           +--rw bgp:ebgp-multihop
    |  |      |        |           |  +--rw (ch-ebgp-multihop-type)?
    |  |      |        |           |     +--:(ca-ebgp-multihop-flag)
    |  |      |        |           |     |  +--rw bgp:ebgp-multihop-flag?     empty /*drop-node-name*/
    |  |      |        |           |     +--:(ca-ebgp-multihop-count)
    |  |      |        |           |        +--rw bgp:ebgp-multihop-count?    uint32 /*drop-node-name*/
    |  |      |        |           +--rw bgp:password?                     bgp-password
```

```
|  |     |      |                     +--rw bgp:enforce-first-as
|  |     |      |                     | +--rw bgp:nei-enforce-first-as?          empty /*alt-
name:"enable"*/
|  |     |      |                     | +--rw bgp:nei-enforce-first-as-disable?   empty /*alt-
name:"disable"*/
|  |     |      |                     +--rw bgp:timers
|  |     |      |                     | +--rw bgp:nei-keep-alive?   nei-keep-alive /*alt-name:"keep-alive"*/
|  |     |      |                     | +--rw bgp:nei-hold-time?    nei-hold-time /*alt-name:"hold-time"*/
|  |     |      |                     +--rw bgp:remove-private-as?               empty
|  |     |      |                     +--rw bgp:as-override?                     empty
|  |     |      |                     +--rw bgp:soft-reconfiguration
|  |     |      |                     | +--rw bgp:inbound?    empty
|  |     |      |                     +--rw bgp:static-network-edge?             empty
|  |     |      |                     +--rw bgp:bfd
|  |     |      |                     | +--rw bgp:bfd-enable?          empty /*drop-node-name*/
|  |     |      |                     | +--rw bgp:holdover-interval?   bfd:bfd-holdover-interval
|  |     |      |                     | +--rw bgp:interval
|  |     |      |                     |    +--rw bgp:min-tx?      bfd-tx-interval-type
|  |     |      |                     |    +--rw bgp:min-rx?      bfd-rx-interval-type
|  |     |      |                     |    +--rw bgp:multiplier?  bfd-multiplier-type
|  |     |      |                     +--rw bgp:maxas-limit
|  |     |      |                     | +--rw bgp:in
|  |     |      |                     |    +--rw (ch-maxas-limit)?
|  |     |      |                     |       +--:(ca-maxas-limit-enable)
|  |     |      |                     |       | +--rw bgp:num-as-in-as-path?    num-as-in-as-path /*drop-
node-name*/
|  |     |      |                     |       +--:(ca-maxas-limit-disable)
|  |     |      |                     |          +--rw bgp:maxas-limit-disable?  empty /*alt-
name:"disable"*/
|  |     |      |                     +--rw bgp:update-source
|  |     |      |                     | +--rw (ch-update-source)?
|  |     |      |                     |    +--:(ca-ipv4)
|  |     |      |                     |    | +--rw bgp:sip-ipv4-address?     sip-ipv4-address /*drop-node-
name*/
|  |     |      |                     |    +--:(ca-eth)
|  |     |      |                     |    | +--rw bgp:ethernet-interface /*drop-node-name*/
|  |     |      |                     |    |    +--rw bgp:interface-type?   enumeration /*drop-node-name*/
|  |     |      |                     |    |    +--rw bgp:ethernet?         update-source-ethernet-type /
*drop-node-name*/
|  |     |      |                     |    +--:(ca-port-channel)
|  |     |      |                     |    | +--rw bgp:port-channel?         interface:portchannel-type
|  |     |      |                     |    +--:(ca-loopback)
|  |     |      |                     |    | +--rw bgp:loopback?             loopback-interface
|  |     |      |                     |    +--:(ca-ve)
|  |     |      |                     |       +--rw bgp:ve-interface?         interface:ve-type
|  |     |      |                     +--rw bgp:additional-paths
|  |     |      |                     | +--rw bgp:advertise
|  |     |      |                     |    +--rw (ch-additional-paths)?
|  |     |      |                     |       +--:(ca-best)
|  |     |      |                     |       | +--rw bgp:best?  additional-paths-best
|  |     |      |                     |       +--:(ca-all)
|  |     |      |                     |          +--rw bgp:all?    empty
|  |     |      |                     +--rw bgp:send-community
|  |     |      |                        +--rw bgp:send-community-status?  empty
|  |     |      |                        +--rw bgp:both?                   empty
|  |     |      |                        +--rw bgp:extended?               empty
|  |     |      |                        +--rw bgp:standard?               empty
|  |     |      +--rw bgp:maximum-paths
|  |     |      | +--rw bgp:load-sharing-value?  uint32 /*drop-node-name*/
|  |     |      | +--rw bgp:ebgp?                ebgp-paths
|  |     |      | +--rw bgp:ibgp?                ibgp-paths
|  |     |      | +--rw bgp:use-load-sharing?    empty
|  |     |      +--rw bgp:multipath
|  |     |      | +--rw bgp:multipath_ebgp?  empty /*alt-name:"ebgp"*/
|  |     |      | +--rw bgp:multipath_ibgp?  empty /*alt-name:"ibgp"*/
|  |     |      | +--rw bgp:multi-as?        empty
|  |     |      +--rw bgp:always-propagate?                        empty
|  |     |      +--rw bgp:default-information-originate?           empty
|  |     |      +--rw bgp:rib-route-limit?                         rib-route-number
|  |     |      +--rw bgp:client-to-client-reflection?            empty
|  |     |      +--rw bgp:dampening
|  |     |      | +--rw (ch-dampening-source)?
```

```
   |  |     |       |        +--:(ca-dampening-flag)
   |  |     |       |        | +--rw bgp:dampening-flag?         empty /*drop-node-name*/
   |  |     |       |        +--:(ca-dampening-specify-values)
   |  |     |       |        | +--rw bgp:values /*drop-node-name*/
   |  |     |       |        |    +--rw bgp:half-time?              htime /*drop-node-name*/
   |  |     |       |        |    +--rw bgp:reuse-value?            damp-reuse-value /*drop-node-name*/
   |  |     |       |        |    +--rw bgp:start-suppress-time?    damp-start-suppress-value /*drop-
node-name*/
   |  |     |       |        |    +--rw bgp:max-suppress-time?      damp-max-suppress-value /*drop-
node-name*/
   |  |     |       |        +--:(ca-dampening-route-map)
   |  |     |       |           +--rw bgp:dampening-route-map?   rmap-type /*alt-name:"route-map"*/
   |  |     |       +--rw bgp:default-metric?                            default-metric-number
   |  |     |       +--rw bgp:next-hop-enable-default?                   empty
   |  |     |       +--rw bgp:table-map
   |  |     |       | +--rw bgp:table-map-route-map?   rmap-type /*drop-node-name*/; /*alt-
name:"route-map"*/
   |  |     |       +--rw bgp:update-time?                               update-time-type
   |  |   +--rw bgp:ipv6
   |  |     |    +--rw bgp:ipv6-unicast
   |  |     |       +--rw bgp:default-vrf
   |  |     |       | +--rw bgp:default-vrf-selected?                    empty
   |  |     |       | +--rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder /*drop-node-name*/
   |  |     |       | | +--rw bgp:bgp-redistribute-internal?   empty
   |  |     |       | | +--rw bgp:redistribute
   |  |     |       | |    +--rw bgp:bgp
   |  |     |       | |    | +--rw bgp:redistribute-bgp?   empty /*drop-node-name*/
   |  |     |       | |    | +--rw bgp:bgp-metric?         conn-metric /*alt-name "metric"*/
   |  |     |       | |    | +--rw bgp:bgp-route-map?      rmap-type /*alt-name "route-map"*/
   |  |     |       | |    +--rw bgp:connected
   |  |     |       | |    | +--rw bgp:redistribute-connected?   empty /*drop-node-name*/
   |  |     |       | |    | +--rw bgp:unicast-metric?           conn-metric /*alt-name "metric"*/
   |  |     |       | |    | +--rw bgp:redistribute-route-map?   rmap-type /*alt-name "route-map"*/
   |  |     |       | |    +--rw bgp:ospf
   |  |     |       | |    | +--rw bgp:redistribute-ospf?   empty /*drop-node-name*/
   |  |     |       | |    | +--rw bgp:match
   |  |     |       | |    | | +--rw bgp:ospf-internal?     empty /*alt-name "internal"*/
   |  |     |       | |    | | +--rw bgp:ospf-external1?    empty /*alt-name "external1"*/
   |  |     |       | |    | | +--rw bgp:ospf-external2?    empty /*alt-name "external2"*/
   |  |     |       | |    | +--rw bgp:ospf-metric?         conn-metric /*alt-name "metric"*/
   |  |     |       | |    | +--rw bgp:ospf-route-map?      rmap-type /*alt-name "route-map"*/
   |  |     |       | |    +--rw bgp:static
   |  |     |       | |       +--rw bgp:redistribute-static?      empty /*drop-node-name*/
   |  |     |       | |       +--rw bgp:unicast-static-metric?    conn-metric /*alt-name "metric"*/
   |  |     |       | |       +--rw bgp:static-route-map?         rmap-type /*alt-name "route-map"*/
   |  |     |       | +--rw bgp:aggregate-ipv6-address [aggregate-ip-prefix] /*alt-name aggregate-
address*/
   |  |     |       | | +--rw bgp:aggregate-ip-prefix     inet:ipv6-prefix
   |  |     |       | | +--rw bgp:advertise-map?          advertise-map
   |  |     |       | | +--rw bgp:as-set?                 empty
   |  |     |       | | +--rw bgp:attribute-map?          attribute-map
   |  |     |       | | +--rw bgp:summary-only?           empty
   |  |     |       | | +--rw bgp:suppress-map?           suppress-map
   |  |     |       | +--rw bgp:network [network-ipv6-address]
   |  |     |       | | +--rw bgp:network-ipv6-address    inet:ipv6-prefix
   |  |     |       | | +--rw bgp:network-weight?         absolute-decimal-number /*alt-name
"weight"*/
   |  |     |       | | +--rw bgp:backdoor?               empty
   |  |     |       | | +--rw bgp:network-route-map?      rmap-type /*alt-name "route-map"*/
   |  |     |       | +--rw bgp:neighbor
   |  |     |       | | +--rw bgp:af-ipv6-neighbor-peergroup-holder /*drop-node-name*/
   |  |     |       | | | +--rw bgp:af-ipv6-neighbor-peergroup [af-ipv6-neighbor-peergroup-name] /
*drop-node-name*/
   |  |     |       | | |    +--rw bgp:af-ipv6-neighbor-peergroup-name    bgp-peergroup /*alt-name
"address"*/
   |  |     |       | | |       +--rw bgp:send-community
   |  |     |       | | |       | +--rw bgp:send-community-status?   empty /*drop-node-name*/
   |  |     |       | | |       | +--rw bgp:both?                    empty
   |  |     |       | | |       | +--rw bgp:extended?                empty
   |  |     |       | | |       | +--rw bgp:standard?                empty
   |  |     |       | | |       +--rw bgp:af-neighbor-capability
   |  |     |       | | |       | +--rw bgp:orf
```

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

```
| |     |     | | |             | | +--rw bgp:prefixlist
| |     |     | | |             | |   +--rw bgp:prefixlist-status?    empty /*drop-node-name*/
| |     |     | | |             | |   +--rw bgp:prefixlist-send?      empty /*alt-name "send"*/
| |     |     | | |             | |   +--rw bgp:prefixlist-receive?   empty /*alt-name "receive"*/
| |     |     | | |          +--rw bgp:additional-paths
| |     |     | | |             +--rw bgp:add-path-both?   empty /*drop-node-name*/
| |     |     | | |             +--rw bgp:send?           empty
| |     |     | | |             +--rw bgp:receive?        empty
| |     |     | | +--rw bgp:additional-paths
| |     |     | | |  +--rw bgp:advertise
| |     |     | | |     +--rw (ch-additional-paths)?
| |     |     | | |        +--:(ca-best)
| |     |     | | |        |  +--rw bgp:best?   additional-paths-best
| |     |     | | |        +--:(ca-all)
| |     |     | | |           +--rw bgp:all?    empty
| |     |     | | +--rw bgp:allowas-in?              uint32
| |     |     | | +--rw bgp:activate?               empty
| |     |     | | +--rw bgp:filter-list
| |     |     | | |  +--rw bgp:direction-in /*drop-node-name*/
| |     |     | | |  |  +--rw bgp:filter-list-direction-in-acl-name?   ip-filter-name /
*drop-node-name*/
| |     |     | | |  |  +--rw bgp:filter-list-name-direction-in?       empty /*alt-name
"in"*/
| |     |     | | |  +--rw bgp:direction-out /*drop-node-name*/
| |     |     | | |     +--rw bgp:filter-list-direction-out-acl-name?  ip-filter-name /
*drop-node-name*/
| |     |     | | |     +--rw bgp:filter-list-name-direction-out?      empty /*alt-name
"out"*/
| |     |     | | +--rw bgp:maximum-prefix
| |     |     | | |  +--rw bgp:max-prefix-limit?   max-prefix-limit /*drop-node-name*/
| |     |     | | |  +--rw bgp:threshold-holder /*drop-node-name*/
| |     |     | | |     +--rw bgp:threshold?   max-prefix-threshold /*drop-node-name*/
| |     |     | | |     +--rw bgp:teardown?    empty
| |     |     | | +--rw bgp:default-originate
| |     |     | | |  +--rw bgp:default-originate-status?      empty /*drop-node-name*/
| |     |     | | |  +--rw bgp:default-originate-route-map?   rmap-type /*alt-name
"route-map"*/
| |     |     | | +--rw bgp:prefix-list
| |     |     | | |  +--rw bgp:direction-in /*drop-node-name*/
| |     |     | | |  |  +--rw bgp:prefix-list-direction-in-prefix-name?   nei-prefix-
list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
| |     |     | | |  |  +--rw bgp:prefix-list-direction-in?               empty /*alt-
name "in"*/
| |     |     | | |  +--rw bgp:direction-out /*drop-node-name*/
| |     |     | | |     +--rw bgp:prefix-list-direction-out-prefix-name?  nei-prefix-
list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
| |     |     | | |     +--rw bgp:prefix-list-direction-out?              empty /*alt-
name "out"*/
| |     |     | | +--rw bgp:neighbor-route-map /*alt-name "route-map"*/
| |     |     | | |  +--rw bgp:neighbor-route-map-direction-in /*alt-name "in"*/
| |     |     | | |  |  +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64 /*drop-node-name*/
| |     |     | | |  +--rw bgp:neighbor-route-map-direction-out /*alt-name "out"*/
| |     |     | | |     +--rw bgp:neighbor-route-map-name-direction-out?  common-
def:name-string64 /*drop-node-name*/
| |     |     | | +--rw bgp:route-reflector-client?     empty
| |     |     | | +--rw bgp:unsuppress-map
| |     |     | | |  +--rw bgp:map-name?   rmap-type /*drop-node-name*/
| |     |     | | +--rw bgp:af-nei-weight?              nei-weight /*alt-name "weight"*/
| |     |   +--rw bgp:af-common-cmds-holder /*drop-node-name*/
| |     |   |  +--rw bgp:maximum-paths
| |     |   |  |  +--rw bgp:load-sharing-value?   uint32 /*drop-node-name*/
| |     |   |  |  +--rw bgp:ebgp?                 ebgp-paths
| |     |   |  |  +--rw bgp:ibgp?                 ibgp-paths
| |     |   |  |  +--rw bgp:use-load-sharing?     empty
| |     |   |  +--rw bgp:multipath
| |     |   |  |  +--rw bgp:multipath_ebgp?   empty /*alt-name "ebgp"*/
| |     |   |  |  +--rw bgp:multipath_ibgp?   empty /*alt-name "ibgp"*/
| |     |   |  |  +--rw bgp:multi-as?         empty
| |     |   |  +--rw bgp:always-propagate?               empty
| |     |   |  +--rw bgp:default-information-originate?   empty
| |     |   |  +--rw bgp:rib-route-limit?                 rib-route-number
```

```
|  |      |          |  |  +--rw bgp:client-to-client-reflection?     empty
|  |      |          |  |  +--rw bgp:dampening
|  |      |          |  |  |  +--rw (ch-dampening-source)?
|  |      |          |  |  |     +--:(ca-dampening-flag)
|  |      |          |  |  |     |  +--rw bgp:dampening-flag?        empty /*drop-node-name*/
|  |      |          |  |  |     +--:(ca-dampening-specify-values)
|  |      |          |  |  |     |  +--rw bgp:values /*drop-node-name*/
|  |      |          |  |  |     |     +--rw bgp:half-time?               htime /*drop-node-name*/
|  |      |          |  |  |     |     +--rw bgp:reuse-value?             damp-reuse-value /*drop-node-
name*/
|  |      |          |  |  |     |     +--rw bgp:start-suppress-time?     damp-start-suppress-value /
*drop-node-name*/
|  |      |          |  |  |     |     +--rw bgp:max-suppress-time?       damp-max-suppress-value /*drop-
node-name*/
|  |      |          |  |  |     +--:(ca-dampening-route-map)
|  |      |          |  |  |        +--rw bgp:dampening-route-map?  rmap-type /*alt-name "route-map"*/
|  |      |          |  |  +--rw bgp:default-metric?                default-metric-number
|  |      |          |  |  +--rw bgp:next-hop-enable-default?       empty
|  |      |          |  |  +--rw bgp:table-map
|  |      |          |  |  |  +--rw bgp:table-map-route-map?   rmap-type /*drop-node-name*/; /*alt-name
"route-map"*/
|  |      |          |  |  +--rw bgp:update-time?                   update-time-type
|  |      |          |  |  +--rw bgp:graceful-restart
|  |      |          |  |     +--rw bgp:graceful-restart-status?   empty /*drop-node-name*/
|  |      |          |  |     +--rw bgp:restart-time?              rtime-type
|  |      |          |  |     +--rw bgp:purge-time?                ptime-type
|  |      |          |  |     +--rw bgp:stale-routes-time?         st-time-type
|  |      |          |  +--rw bgp:ipv6-ucast-next-hop-recursion?              empty /*alt-name "next-
hop-recursion"*/
|  |      |          +--rw bgp:af-ipv6-vrf [af-ipv6-vrf-name] /*alt-name "vrf"*/
|  |      |             +--rw bgp:af-ipv6-vrf-name                           string /*alt-name "vrf-
name"*/
|  |      |             +--rw bgp:next-hop-recursion?                        empty
|  |      |             +--rw bgp:graceful-restart-status?                   empty /*alt-name
graceful-restart*/
|  |      |             +--rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder /*drop-node-name*/
|  |      |             |  +--rw bgp:bgp-redistribute-internal?   empty
|  |      |             |  +--rw bgp:redistribute
|  |      |             |     +--rw bgp:bgp
|  |      |             |     |  +--rw bgp:redistribute-bgp?    empty /*drop-node-name*/
|  |      |             |     |  +--rw bgp:bgp-metric?          conn-metric /*alt-name "metric"*/
|  |      |             |     |  +--rw bgp:bgp-route-map?       rmap-type /*alt-name "route-map"*/
|  |      |             |     +--rw bgp:connected
|  |      |             |     |  +--rw bgp:redistribute-connected?   empty /*drop-node-name*/
|  |      |             |     |  +--rw bgp:unicast-metric?           conn-metric /*alt-name "metric"*/
|  |      |             |     |  +--rw bgp:redistribute-route-map?   rmap-type /*alt-name "route-map"*/
|  |      |             |     +--rw bgp:ospf
|  |      |             |     |  +--rw bgp:redistribute-ospf?    empty /*drop-node-name*/
|  |      |             |     |  +--rw bgp:match
|  |      |             |     |  |  +--rw bgp:ospf-internal?     empty /*alt-name "internal"*/
|  |      |             |     |  |  +--rw bgp:ospf-external1?    empty /*alt-name "external1"*/
|  |      |             |     |  |  +--rw bgp:ospf-external2?    empty /*alt-name "external2"*/
|  |      |             |     |  +--rw bgp:ospf-metric?          conn-metric /*alt-name "metric"*/
|  |      |             |     |  +--rw bgp:ospf-route-map?       rmap-type /*alt-name "route-map"*/
|  |      |             |     +--rw bgp:static
|  |      |             |        +--rw bgp:redistribute-static?     empty /*drop-node-name*/
|  |      |             |        +--rw bgp:unicast-static-metric?   conn-metric /*alt-name "metric"*/
|  |      |             |        +--rw bgp:static-route-map?        rmap-type /*alt-name "route-map"*/
|  |      |             +--rw bgp:aggregate-ipv6-address [aggregate-ip-prefix] /*alt-name aggregate-
address*/
|  |      |             |  +--rw bgp:aggregate-ip-prefix    inet:ipv6-prefix
|  |      |             |  +--rw bgp:advertise-map?         advertise-map
|  |      |             |  +--rw bgp:as-set?                empty
|  |      |             |  +--rw bgp:attribute-map?         attribute-map
|  |      |             |  +--rw bgp:summary-only?          empty
|  |      |             |  +--rw bgp:suppress-map?          suppress-map
|  |      |             +--rw bgp:network [network-ipv6-address]
|  |      |             |  +--rw bgp:network-ipv6-address    inet:ipv6-prefix
|  |      |             |  +--rw bgp:network-weight?         absolute-decimal-number /*alt-name
"weight"*/
|  |      |             |  +--rw bgp:backdoor?              empty
|  |      |             |  +--rw bgp:network-route-map?      rmap-type /*alt-name "route-map"*/
```

```
    |   |     |                   +--rw bgp:neighbor
    |   |     |                   | +--rw bgp:af-ipv6-vrf-neighbor-address-holder /*drop-node-name*/
    |   |     |                   |    +--rw bgp:af-ipv6-neighbor-addr [af-ipv6-neighbor-address] /*drop-node-
name*/
    |   |     |                   |              +--rw bgp:af-ipv6-neighbor-address       inet:ipv6-address /*alt-name
"address"*/
    |   |     |                   |              +--rw bgp:associate-peer-group?          bgp-peergroup /*alt-name "peer-
group"*/
    |   |     |                   |              +--rw bgp:remote-as?                     bgp-remote-as
    |   |     |                   |              +--rw bgp:shutdown
    |   |     |                   |              | +--rw bgp:shutdown-status?     empty /*drop-node-name*/
    |   |     |                   |              | +--rw bgp:generate-rib-out?    empty
    |   |     |                   |              +--rw bgp:allowas-in?                    uint32
    |   |     |                   |              +--rw bgp:activate?                      empty
    |   |     |                   |              +--rw bgp:filter-list
    |   |     |                   |              | +--rw bgp:direction-in /*drop-node-name*/
    |   |     |                   |              | | +--rw bgp:filter-list-direction-in-acl-name?   ip-filter-name /
*drop-node-name*/
    |   |     |                   |              | | +--rw bgp:filter-list-name-direction-in?       empty /*alt-name
"in"*/
    |   |     |                   |              | +--rw bgp:direction-out /*drop-node-name*/
    |   |     |                   |              |   +--rw bgp:filter-list-direction-out-acl-name?  ip-filter-name /
*drop-node-name*/
    |   |     |                   |              |   +--rw bgp:filter-list-name-direction-out?      empty /*alt-name
"out"*/
    |   |     |                   |              +--rw bgp:maximum-prefix
    |   |     |                   |              | +--rw bgp:max-prefix-limit?   max-prefix-limit /*drop-node-name*/
    |   |     |                   |              | +--rw bgp:threshold-holder /*drop-node-name*/
    |   |     |                   |              |    +--rw bgp:threshold?   max-prefix-threshold /*drop-node-name*/
    |   |     |                   |              |    +--rw bgp:teardown?    empty
    |   |     |                   |              +--rw bgp:default-originate
    |   |     |                   |              | +--rw bgp:default-originate-status?      empty /*drop-node-name*/
    |   |     |                   |              | +--rw bgp:default-originate-route-map?   rmap-type /*alt-name
"route-map"*/
    |   |     |                   |              +--rw bgp:prefix-list
    |   |     |                   |              | +--rw bgp:direction-in /*drop-node-name*/
    |   |     |                   |              | | +--rw bgp:prefix-list-direction-in-prefix-name?   nei-prefix-
list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
    |   |     |                   |              | | +--rw bgp:prefix-list-direction-in?               empty /*alt-
name "in"*/
    |   |     |                   |              | +--rw bgp:direction-out
    |   |     |                   |              |   +--rw bgp:prefix-list-direction-out-prefix-name?  nei-prefix-
list-filter /*drop-node-name*/; /*alt-name "ip-access-number"*/
    |   |     |                   |              |   +--rw bgp:prefix-list-direction-out?              empty /*alt-
name "out"*/
    |   |     |                   |              +--rw bgp:neighbor-route-map /*alt-name "route-map"*/
    |   |     |                   |              | +--rw bgp:neighbor-route-map-direction-in /*alt-name "in"*/
    |   |     |                   |              | | +--rw bgp:neighbor-route-map-name-direction-in?   common-
def:name-string64 /*drop-node-name*/
    |   |     |                   |              | +--rw bgp:neighbor-route-map-direction-out /*alt-name "out"*/
    |   |     |                   |              |   +--rw bgp:neighbor-route-map-name-direction-out?  common-
def:name-string64 /*drop-node-name*/
    |   |     |                   |              +--rw bgp:route-reflector-client?        empty
    |   |     |                   |              +--rw bgp:unsuppress-map
    |   |     |                   |              | +--rw bgp:map-name?   rmap-type /*drop-node-name*/
    |   |     |                   |              +--rw bgp:af-nei-weight?                 nei-weight /*alt-name
"weight"*/
    |   |     |                   |              +--rw bgp:af-vrf-neighbor-capability /*alt-name "capability"*/
    |   |     |                   |              | +--rw bgp:as4
    |   |     |                   |              | | +--rw bgp:neighbor-as4-enable?    empty /*alt-name "enable"*/
    |   |     |                   |              | | +--rw bgp:neighbor-as4-disable?   empty /*alt-name "disable"*/
    |   |     |                   |              | +--rw bgp:orf
    |   |     |                   |              | | +--rw bgp:prefixlist
    |   |     |                   |              | |    +--rw bgp:prefixlist-status?    empty /*drop-node-name*/
    |   |     |                   |              | |    +--rw bgp:prefixlist-send?      empty /*alt-name "send"*/
    |   |     |                   |              | |    +--rw bgp:prefixlist-receive?   empty /*alt-name "receive"*/
    |   |     |                   |              | +--rw bgp:additional-paths
    |   |     |                   |              |    +--rw bgp:add-path-both?   empty /*drop-node-name*/
    |   |     |                   |              |    +--rw bgp:send?            empty
    |   |     |                   |              |    +--rw bgp:receive?         empty
    |   |     |                   |              +--rw bgp:maxas-limit
    |   |     |                   |              | +--rw bgp:in
```

```
|  |     |     |       |       +--rw (ch-maxas-limit)?
|  |     |     |       |         +--:(ca-maxas-limit-enable)
|  |     |     |       |         |  +--rw bgp:num-as-in-as-path?    num-as-in-as-path /*drop-
node-name*/
|  |     |     |       |         +--:(ca-maxas-limit-disable)
|  |     |     |       |            +--rw bgp:maxas-limit-disable?   empty /*alt-name
"disable"*/
|  |     |     |       +--rw bgp:additional-paths
|  |     |     |       |  +--rw bgp:advertise
|  |     |     |       |     +--rw (ch-additional-paths)?
|  |     |     |       |       +--:(ca-best)
|  |     |     |       |       |  +--rw bgp:best?   additional-paths-best
|  |     |     |       |       +--:(ca-all)
|  |     |     |       |          +--rw bgp:all?    empty
|  |     |     |       +--rw bgp:description?                  neighbor-description
|  |     |     |       +--rw bgp:local-as
|  |     |     |       |  +--rw bgp:local-as-value?    local-as-num /*drop-node-name*/
|  |     |     |       |  +--rw bgp:no-prepend?        empty
|  |     |     |       +--rw bgp:next-hop-self
|  |     |     |       |  +--rw (ch-next-hop-self-type)?
|  |     |     |       |     +--:(ca-next-hop-self-always)
|  |     |     |       |     |  +--rw bgp:next-hop-self-always?   empty /*alt-name "always"*/
|  |     |     |       |     +--:(ca-next-hop-self-status)
|  |     |     |       |        +--rw bgp:next-hop-self-status?   empty /*drop-node-name*/
|  |     |     |       +--rw bgp:advertisement-interval
|  |     |     |       |  +--rw bgp:value?    adv-value /*drop-node-name*/
|  |     |     |       +--rw bgp:ebgp-btsh?                    empty
|  |     |     |       +--rw bgp:ebgp-multihop
|  |     |     |       |  +--rw (ch-ebgp-multihop-type)?
|  |     |     |       |     +--:(ca-ebgp-multihop-flag)
|  |     |     |       |     |  +--rw bgp:ebgp-multihop-flag?    empty /*drop-node-name*/
|  |     |     |       |     +--:(ca-ebgp-multihop-count)
|  |     |     |       |        +--rw bgp:ebgp-multihop-count?   uint32 /*drop-node-name*/
|  |     |     |       +--rw bgp:password?                     bgp-password
|  |     |     |       +--rw bgp:enforce-first-as
|  |     |     |       |  +--rw bgp:nei-enforce-first-as?           empty /*alt-name
"enable"*/
|  |     |     |       |  +--rw bgp:nei-enforce-first-as-disable?   empty /*alt-name
"disable"*/
|  |     |     |       +--rw bgp:timers
|  |     |     |       |  +--rw bgp:nei-keep-alive?   nei-keep-alive /*alt-name "keep-alive"*/
|  |     |     |       |  +--rw bgp:nei-hold-time?    nei-hold-time /*alt-name "hold-time"*/
|  |     |     |       +--rw bgp:remove-private-as?            empty
|  |     |     |       +--rw bgp:as-override?                  empty
|  |     |     |       +--rw bgp:soft-reconfiguration
|  |     |     |       |  +--rw bgp:inbound?    empty
|  |     |     |       +--rw bgp:static-network-edge?          empty
|  |     |     |       +--rw bgp:bfd
|  |     |     |       |  +--rw bgp:bfd-enable?           empty /*drop-node-name*/
|  |     |     |       |  +--rw bgp:holdover-interval?    bfd:bfd-holdover-interval
|  |     |     |       |  +--rw bgp:interval
|  |     |     |       |     +--rw bgp:min-tx?        bfd-tx-interval-type
|  |     |     |       |     +--rw bgp:min-rx?        bfd-rx-interval-type
|  |     |     |       |     +--rw bgp:multiplier?    bfd-multiplier-type
|  |     |     |       +--rw bgp:update-source
|  |     |     |       |  +--rw (ch-update-source)?
|  |     |     |       |     +--:(ca-ipv6)
|  |     |     |       |     |  +--rw bgp:sip-ipv6-address?     sip-ipv6-address /*drop-node-
name*/
|  |     |     |       |     +--:(ca-eth)
|  |     |     |       |     |  +--rw bgp:ethernet-interface /*drop-node-name*/
|  |     |     |       |     |     +--rw bgp:interface-type?    enumeration /*drop-node-name*/
|  |     |     |       |     |     +--rw bgp:ethernet?          update-source-ethernet-type /
*drop-node-name*/
|  |     |     |       |     +--:(ca-port-channel)
|  |     |     |       |     |  +--rw bgp:port-channel?         interface:portchannel-type
|  |     |     |       |     +--:(ca-loopback)
|  |     |     |       |     |  +--rw bgp:loopback?             loopback-interface
|  |     |     |       |     +--:(ca-ve)
|  |     |     |       |        +--rw bgp:ve-interface?         interface:ve-type
|  |     |     |       +--rw bgp:send-community
|  |     |     |          +--rw bgp:send-community-status?    empty /*drop-node-name*/
```

```
|  |      |       |                  +--rw bgp:both?                      empty
|  |      |       |                  +--rw bgp:extended?                  empty
|  |      |       |                  +--rw bgp:standard?                  empty
|  |      |    +--rw bgp:maximum-paths
|  |      |    |  +--rw bgp:load-sharing-value?   uint32 /*drop-node-name*/
|  |      |    |  +--rw bgp:ebgp?                 ebgp-paths
|  |      |    |  +--rw bgp:ibgp?                 ibgp-paths
|  |      |    |  +--rw bgp:use-load-sharing?     empty
|  |      |    +--rw bgp:multipath
|  |      |    |  +--rw bgp:multipath_ebgp?   empty /*alt-name "ebgp"*/
|  |      |    |  +--rw bgp:multipath_ibgp?   empty /*alt-name "ibgp"*/
|  |      |    |  +--rw bgp:multi-as?         empty
|  |      |    +--rw bgp:always-propagate?                      empty
|  |      |    +--rw bgp:default-information-originate?         empty
|  |      |    +--rw bgp:rib-route-limit?                       rib-route-number
|  |      |    +--rw bgp:client-to-client-reflection?          empty
|  |      |    +--rw bgp:dampening
|  |      |    |  +--rw (ch-dampening-source)?
|  |      |    |     +--:(ca-dampening-flag)
|  |      |    |     |  +--rw bgp:dampening-flag?        empty /*drop-node-name*/
|  |      |    |     +--:(ca-dampening-specify-values)
|  |      |    |     |  +--rw bgp:values /*drop-node-name*/
|  |      |    |     |     +--rw bgp:half-time?             htime /*drop-node-name*/
|  |      |    |     |     +--rw bgp:reuse-value?           damp-reuse-value /*drop-node-name*/
|  |      |    |     |     +--rw bgp:start-suppress-time?   damp-start-suppress-value /*drop-
node-name*/
|  |      |    |     |     +--rw bgp:max-suppress-time?     damp-max-suppress-value /*drop-
node-name*/
|  |      |    |     +--:(ca-dampening-route-map)
|  |      |    |        +--rw bgp:dampening-route-map?   rmap-type /*alt-name "route-map"*/
|  |      |    +--rw bgp:default-metric?                        default-metric-number
|  |      |    +--rw bgp:next-hop-enable-default?               empty
|  |      |    +--rw bgp:table-map
|  |      |    |  +--rw bgp:table-map-route-map?   rmap-type /*drop-node-name*/; /*alt-name
"route-map"*/
|  |      |    +--rw bgp:update-time?                           update-time-type
|  |   +--rw bgp:l2vpn
|  |      +--rw bgp:evpn?
|  |         +--rw bgp:client-to-client-reflection?   empty
|  |         +--rw bgp:graceful-restart
|  |         |  +--rw bgp:graceful-restart-status?   empty /*drop-node-name*/
|  |         |  +--rw bgp:restart-time?              rtime-type
|  |         |  +--rw bgp:purge-time?                ptime-type
|  |         |  +--rw bgp:stale-routes-time?         st-time-type
|  |         +--rw bgp:retain
|  |         |  +--rw bgp:route-target
|  |         |     +--rw bgp:all?    empty
|  |         +--rw bgp:vtep-discovery?              empty
|  |         +--rw bgp:neighbor
|  |            +--rw bgp:evpn-peer-group [evpn-neighbor-peergroup-name]
|  |            |  +--rw bgp:evpn-neighbor-peergroup-name    bgp-peergroup
|  |            |  +--rw bgp:activate?                       empty
|  |            |  +--rw bgp:maximum-prefix?                 max-prefix-limit
|  |            |  +--rw bgp:route-reflector-client?         empty
|  |            |  +--rw bgp:allowas-in?                     uint32
|  |            |  +--rw bgp:next-hop-unchanged?             empty
|  |            |  +--rw bgp:route-map
|  |            |  | +--rw bgp:direction-in /*alt-name "in"*/
|  |            |  | | +--rw bgp:route-map-name-direction-in?   common-def:name-string64 /
*drop-node-name*/
|  |            |  | +--rw bgp:direction-out /*alt-name "out"*/
|  |            |  |   +--rw bgp:route-map-name-direction-out?   common-def:name-string64 /
*drop-node-name*/
|  |            |  +--rw bgp:send-community
|  |            |     +--rw bgp:send-community-status?   empty /*drop-node-name*/
|  |            |     +--rw bgp:both?                    empty
|  |            |     +--rw bgp:extended?                empty
|  |            |     +--rw bgp:standard?                empty
|  |            +--rw bgp:evpn-neighbor-ipv4 [evpn-neighbor-ipv4-address] /*drop-node-name*/
|  |               +--rw bgp:evpn-neighbor-ipv4-address    inet:ipv4-address
|  |               +--rw bgp:activate?                     empty
|  |               +--rw bgp:maximum-prefix?               max-prefix-limit
```

```
         | |                     | +--rw bgp:route-reflector-client?        empty
         | |                     | +--rw bgp:allowas-in?                     uint32
         | |                     | +--rw bgp:next-hop-unchanged?             empty
         | |                     | +--rw bgp:route-map
         | |                     | | +--rw bgp:direction-in /*alt-name "in"*/
         | |                     | | | +--rw bgp:route-map-name-direction-in?   common-def:name-string64 /
*drop-node-name*/
         | |                     | | +--rw bgp:direction-out /*alt-name "out"*/
         | |                     | |   +--rw bgp:route-map-name-direction-out?   common-def:name-string64 /
*drop-node-name*/
         | |                     | +--rw bgp:send-community
         | |                     |   +--rw bgp:send-community-status?   empty /*drop-node-name*/
         | |                     |   +--rw bgp:both?                   empty
         | |                     |   +--rw bgp:extended?               empty
         | |                     |   +--rw bgp:standard?               empty
         | |                     +--rw bgp:evpn-neighbor-ipv6 [evpn-neighbor-ipv6-address] /*drop-node-name*/
         | |                        +--rw bgp:evpn-neighbor-ipv6-address   inet:ipv6-address
         | |                        +--rw bgp:activate?                    empty
         | |                        +--rw bgp:maximum-prefix?              max-prefix-limit
         | |                        +--rw bgp:route-reflector-client?      empty
         | |                        +--rw bgp:allowas-in?                  uint32
         | |                        +--rw bgp:next-hop-unchanged?          empty
         | |                        +--rw bgp:route-map
         | |                        | +--rw bgp:direction-in /*alt-name "in"*/
         | |                        | | +--rw bgp:route-map-name-direction-in?   common-def:name-string64 /
*drop-node-name*/
         | |                        | +--rw bgp:direction-out /*alt-name "out"*/
         | |                        |   +--rw bgp:route-map-name-direction-out?   common-def:name-string64 /
*drop-node-name*/
         | |                        +--rw bgp:send-community
         | |                           +--rw bgp:send-community-status?   empty /*drop-node-name*/
         | |                           +--rw bgp:both?                   empty
         | |                           +--rw bgp:extended?               empty
         | |                           +--rw bgp:standard?               empty


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


module: extreme-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw rbridge-id
      +--rw bgp:evpn-instance [instance-name]
      | +--rw bgp:instance-name          evpn-type
      | +--rw bgp:route-target
      | | +--rw bgp:import [target-community]
      | | | +--rw bgp:target-community    rt-type
      | | | +--rw bgp:ignore-as?          empty
      | | +--rw bgp:export [target-community]
      | | | +--rw bgp:target-community    rt-type
      | | +--rw bgp:both [target-community]
      | |    +--rw bgp:target-community    rt-type
      | |    +--rw bgp:ignore-as?          empty
      | +--rw bgp:route-distinguisher /*alt-name "rd"*/
      | | +--rw (ch-rd-type)?
      | |    +--:(ca-rd-auto)
      | |       +--rw bgp:auto?   empty
      | +--rw bgp:df-delay-timer?        delay-timer
      | +--rw bgp:duplicate-mac-timer
      | | +--rw bgp:duplicate-mac-timer-value?   dup-mac-timer /*drop-node-name*/
      | | +--rw bgp:max-count?                   max-count
      | +--rw bgp:vni
      |    +--rw bgp:vni-add /*drop-node-name*/
      |    | +--rw bgp:add?       evpn-vni-range
      |    | +--rw bgp:remove?    evpn-vni-range
      |    +--rw bgp:evpn-vni [vni-number] /*drop-node-name*/
      |       +--rw bgp:vni-number      vni-type
```

```
|           +--rw bgp:rd?               rd-type
|         +--rw bgp:route-target
|           +--rw bgp:import [target-community]
|           | +--rw bgp:target-community    rd-rt-type
|           +--rw bgp:export [target-community]
|           | +--rw bgp:target-community    rd-rt-type
|           +--rw bgp:both [target-community]
|             +--rw bgp:target-community    rd-rt-type
```

History

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

extreme-cdp

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

External augmentations

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

extreme-certutil

Provides a data model for certificate management operations.

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

Top-level container

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

External augmentations

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

Actions

Import an LDAP CA certificate:

```
module: extreme-certutil
   +--rw certutil
      +--rw import
         +--ro ldapca
         |  +--ro input
         |  |  +--ro protocol      enumeration
         |  |  +--ro user          string
         |  |  +--ro password?     string
```

```
          |  |  +--ro host        string
          |  |  +--ro directory   string
          |  |  +--ro file        string
          |  |  +--ro rbridge-id?  common-def:rbridge-id-all-type
```

Import a syslog server CA certificate:

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

Import an SSH public key:

```
module: extreme-certutil
   +--rw certutil
      +--rw import
         +--ro sshkey
            +--ro input
            |  +--ro user         string
            |  +--ro host         string
            |  +--ro directory    string
            |  +--ro file         string
            |  +--ro login        string
            |  +--ro password?    string
            |  +--ro rbridge-id?  common-def:rbridge-id-all-type
            +--ro output
```

Remove an LDAP CA certificate:

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

Remove a syslog server CA certificate:

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

Remove an SSH public key:

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

Show the LDAP CA certificate:

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

Show the syslog server CA certificate:

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

Show the SSH public key:

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

History

extreme-chassis

Provides a data model for enabling and disabling the chassis.

Top-level container

```
module: extreme-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 /*alt-name:v4*/
  |        +--ro virtual-oper-VipV6-address*   string /*alt-name:v6*/
  +--rw chassis
     +--ro enable
     +--ro disable
     +--ro power-cycle-db-shutdown
     +--rw beacon
     |  +--ro enable
     |  +--ro disable
     +--rw fan
        +--rw airflow-direction
           +--ro port-side-intake
           +--ro port-side-exhaust
```

External augmentations

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

Actions

Enable the chassis:

```
module: extreme-chassis
  +--rw chassis
     +--ro enable
```

Disable the chassis:

```
module: extreme-chassis
  +--rw chassis
     +--ro disable
```

Enable the chassis beacon:

```
module: extreme-chassis
  +--rw chassis
     +--rw beacon
     |  +--ro enable
```

Disable the chassis beacon:

```
module: extreme-chassis
   +--rw chassis
      +--rw beacon
      |  +--ro disable
```

Set the airflow direction to port-side-intake:

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

Set the airflow direction to port-side-exhaust:

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

History

Release version	History
7.1.0	This YANG module was modified to include the following: Added action *power-cycle-db-shutdown* under container *chassis*.

extreme-clock

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

Top-level container

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

External augmentations

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

RPCs

Retrieve local clock information:

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

History

Release version	History
16r.1.00	This YANG module was introduced.

extreme-common-def

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

Top-level container

```
module: extreme-common-def
  +--rw show
  |  +--rw defaults
  |  |  +--rw threshold-monitor-extensions:threshold
  |  |     +--ro threshold-monitor-extensions:sfp
  |  |     |  +--ro threshold-monitor-extensions:input
  |  |     |     +--ro threshold-monitor-extensions:type    sfp-type
  |  |     +--ro threshold-monitor-extensions:interface
  |  |     |  +--ro threshold-monitor-extensions:input
  |  |     |     +--ro threshold-monitor-extensions:type    enumeration
  |  |     +--ro threshold-monitor-extensions:security
  |  +--rw aaa-extensions:aaa-users
  |  |  +--ro aaa-extensions:users
  |  |     +--ro aaa-extensions:input
  |  |        +--ro aaa-extensions:rbridge-id?   common-def:rbridge-id-all-type
  |  +--rw vcs:vcs
  |  |  +--ro vcs:auto-config-backup
  |  +--rw certutil:cert-util
  |  |  +--ro certutil:ldapcacert
  |  |  |  +--ro certutil:input
  |  |  |  |  +--ro certutil:rbridge-id?   common-def:rbridge-id-all-type
  |  |  |  +--ro certutil:output
  |  |  +--ro certutil:syslogcacert
  |  |  |  +--ro certutil:input
  |  |  |  |  +--ro certutil:rbridge-id?   common-def:rbridge-id-all-type
  |  |  |  +--ro certutil:output
  |  |  +--ro certutil:sshkey
  |  |     +--ro certutil:input
  |  |     |  +--ro certutil:user          string
  |  |     |  +--ro certutil:rbridge-id?   common-def:rbridge-id-all-type
  |  |     +--ro certutil:output
  |  +--rw brcd-crypto-ext:crypto
  |  |  +--rw brcd-crypto-ext:key
  |  |  |  +--ro brcd-crypto-ext:mypubkey
  |  |  |     +--ro brcd-crypto-ext:input
  |  |  |        +--ro brcd-crypto-ext:rbridge-id?   common-def:rbridge-id-all-type
  |  |  +--rw brcd-crypto-ext:ca
  |  |     +--ro brcd-crypto-ext:trustpoint
  |  |     |  +--ro brcd-crypto-ext:input
  |  |     |     +--ro brcd-crypto-ext:rbridge-id?   common-def:rbridge-id-all-type
  |  |     +--ro brcd-crypto-ext:certificates
  |  |        +--ro brcd-crypto-ext:input
  |  |           +--ro brcd-crypto-ext:rbridge-id?   common-def:rbridge-id-all-type
  |  +--rw diagnostics:diag
  |  |  +--rw diagnostics:post
  |  |  |  +--ro diagnostics:results
  |  |  |     +--ro diagnostics:input
  |  |  |     |  +--ro (localremote)?
  |  |  |     |  |  +--:(local)
  |  |  |     |  |  |  +--ro diagnostics:slot         slotidtype
  |  |  |     |  |  +--:(remote)
  |  |  |     |  |     +--ro diagnostics:rbridge-id?   common-def:rbridge-id-type
  |  |  |     |  +--ro (postresult)?
  |  |  |     |     +--:(brief)
  |  |  |     |     |  +--ro diagnostics:brief?        empty
  |  |  |     |     +--:(detailed)
  |  |  |     |        +--ro diagnostics:detailed?     empty
  |  |  |     +--ro diagnostics:output
  |  |  |        +--ro diagnostics:result?   string
  |  |  +--ro diagnostics:status
  |  |  |  +--ro diagnostics:input
  |  |  |  |  +--ro (localremote)?
```

```
|  |  |  |     | +--ro diagnostics:slot          slotidtype
|  |  |  |     +--:(remote)
|  |  |  |        +--ro diagnostics:rbridge-id?   common-def:rbridge-id-type
|  |  |  +--ro diagnostics:output
|  |  |     +--ro diagnostics:result?   string
|  |  +--ro diagnostics:burninstatus
|  |  |  +--ro diagnostics:input
|  |  |  |  +--ro diagnostics:rbridge-id?   common-def:rbridge-id-type
|  |  |  +--ro diagnostics:output
|  |  |     +--ro diagnostics:result?   string
|  |  +--ro diagnostics:burninerrshow
|  |     +--ro diagnostics:input
|  |     |  +--ro diagnostics:rbridge-id?   common-def:rbridge-id-type
|  |     +--ro diagnostics:output
|  |        +--ro diagnostics:result?   string
|  +--rw distributedlog:log
|  |  +--ro distributedlog:audit
|  |  |  +--ro distributedlog:input
|  |  |  |  +--ro (audit-log-input)
|  |  |  |  |  +--:(non-support-save-logs)
|  |  |  |  |  |  +--ro distributedlog:non-support-save?   empty
|  |  |  |  |  +--:(all-logs)
|  |  |  |  |  |  +--ro distributedlog:all?                empty
|  |  |  |  |  +--:(filtered-logs)
|  |  |  |  |     +--ro distributedlog:rbridge-id?         common-def:domain-id-type
|  |  |  |  |     +--ro distributedlog:user?               string
|  |  |  |  |     +--ro distributedlog:type?               enumeration
|  |  |  |  +--ro distributedlog:limit?              uint32
|  |  +--ro distributedlog:audit-ccm
|  |     +--ro distributedlog:input
|  |        +--ro (audit-log-input)
|  |        |  +--:(non-support-save-logs)
|  |        |  |  +--ro distributedlog:non-support-save-ccm?   empty
|  |        |  +--:(all-logs)
|  |        |  |  +--ro distributedlog:all-ccm?                empty
|  |        |  +--:(filtered-logs)
|  |        |     +--ro distributedlog:rbridge-id-ccm?         common-def:domain-id-type
|  |        |     +--ro distributedlog:user-ccm?               string
|  |        |     +--ro distributedlog:type-ccm?               enumeration
|  |        +--ro distributedlog:limit?                  uint32
|  +--rw Enclosure-show:enclosure
|  |  +--ro Enclosure-show:slotid
|  |  |  +--ro Enclosure-show:input
|  |  +--ro Enclosure-show:modelname
|  |     +--ro Enclosure-show:input
|  +--rw event-handler:event-handler
|  |  +--ro event-handler:activations
|  |     +--ro event-handler:input
|  |        +--ro event-handler:rbridge-id?   common-def:rbridge-id-all-range-type
|  +--rw fabric-service:fabric
|  |  +--ro fabric-service:all
|  |  |  +--ro fabric-service:input
|  |  |  +--ro fabric-service:output
|  |  |     +--ro fabric-service:fabric-showall-cluster [fabric-showall-rbridge-id]
|  |  |        +--ro fabric-service:fabric-showall-rbridge-id     common-def:rbridge-id-type
|  |  |        +--ro fabric-service:fabric-showall-wwn?           common-def:wwn-type
|  |  |        +--ro fabric-service:fabric-showall-ipaddress?     inet:ipv4-address
|  |  |        +--ro fabric-service:fabric-showall-name?          string
|  |  |        +--ro fabric-service:fabric-showall-version?       string
|  |  |        +--ro fabric-service:fabric-showall-swbd-number?   int32
|  |  |        +--ro fabric-service:fabric-is-principalswitch?    boolean
|  |  |        +--ro fabric-service:fabric-showall-ipv6address?   inet:ipv6-address
|  |  +--ro fabric-service:isl
|  |  |  +--ro fabric-service:input
|  |  |     +--ro (rbridge-id-or-all)?
|  |  |        +--:(rbridge-id)
|  |  |        |  +--ro fabric-service:rbridge-id?   common-def:rbridge-id-type
|  |  |        +--:(all)
|  |  |           +--ro fabric-service:all?          empty
|  |  +--ro fabric-service:islports
|  |  |  +--ro fabric-service:input
```

```
    |   |   |       +--ro (rbridge-id-or-all)?
    |   |   |          +--:(rbridge-id)
    |   |   |          |  +--ro fabric-service:rbridge-id?   common-def:rbridge-id-type
    |   |   |          +--:(all)
    |   |   |             +--ro fabric-service:all?          empty
    |   |   +--ro fabric-service:login-policy
    |   |   |   +--ro fabric-service:input
    |   |   |      +--ro (rbridge-id-or-all)?
    |   |   |         +--:(rbridge-id)
    |   |   |         |  +--ro fabric-service:rbridge-id?   common-def:rbridge-id-type
    |   |   |         +--:(all)
    |   |   |            +--ro fabric-service:all?          empty
    |   |   +--ro fabric-service:trunk
    |   |   |   +--ro fabric-service:input
    |   |   |   |   +--ro (rbridge-id-or-all)?
    |   |   |   |      +--:(rbridge-id)
    |   |   |   |      |  +--ro fabric-service:rbridge-id?   common-def:rbridge-id-type
    |   |   |   |      +--:(all)
    |   |   |   |         +--ro fabric-service:all?          empty
    |   |   |   +--ro fabric-service:output
    |   |   |      +--ro fabric-service:show-trunk-list
    |   |   |         +--ro fabric-service:trunk-list-groups
    |   |   |            +--ro fabric-service:trunk-list-group?    uint32
    |   |   |            +--ro fabric-service:trunk-list-member
    |   |   |               +--ro fabric-service:trunk-list-src-port?         uint32
    |   |   |               +--ro fabric-service:trunk-list-interface-type?   interfacetype-type
    |   |   |               +--ro fabric-service:trunk-list-src-interface?    interface:interface-type
    |   |   |               +--ro fabric-service:trunk-list-nbr-rbridge-id?   uint32
    |   |   |               +--ro fabric-service:trunk-list-nbr-port?         uint32
    |   |   |               +--ro fabric-service:trunk-list-nbr-interface-type?   interfacetype-type
    |   |   |               +--ro fabric-service:trunk-list-nbr-interface?    interface:interface-type
    |   |   |               +--ro fabric-service:trunk-list-nbr-wwn?          common-def:wwn-type
    |   |   |               +--ro fabric-service:trunk-list-is-primary?       trunk-list-is-primary-type
    |   |   +--rw fabric-service:route
    |   |      +--ro fabric-service:multicast
    |   |      |   +--ro fabric-service:input
    |   |      |      +--ro (rbridge-id-or-all)?
    |   |      |         +--:(rbridge-id)
    |   |      |         |  +--ro fabric-service:rbridge-id?   common-def:rbridge-id-type
    |   |      |         +--:(all)
    |   |      |            +--ro fabric-service:all?          empty
    |   |      +--ro fabric-service:topology
    |   |      |   +--ro fabric-service:input
    |   |      |      +--ro fabric-service:dest-rbridge-id?   common-def:rbridge-id-type
    |   |      |      +--ro fabric-service:src-rbridge-id?    common-def:rbridge-id-type
    |   |      +--ro fabric-service:pathinfo
    |   |      |   +--ro fabric-service:input
    |   |      +--ro fabric-service:linkinfo
    |   |      |   +--ro fabric-service:input
    |   |      |   +--ro fabric-service:output
    |   |      |      +--ro fabric-service:show-link-info [linkinfo-rbridgeid]
    |   |      |         +--ro fabric-service:linkinfo-rbridgeid           common-def:rbridge-id-type
    |   |      |         +--ro fabric-service:linkinfo-domain-reachable?   linkinfo-domain-reachable-type
    |   |      |         +--ro fabric-service:linkinfo-wwn?                common-def:wwn-type
    |   |      |         +--ro fabric-service:linkinfo-version?            uint32
    |   |      |         +--ro fabric-service:linkinfo-isl [linkinfo-isl-linknumber]
    |   |      |            +--ro fabric-service:linkinfo-isl-linknumber            uint32
    |   |      |            +--ro fabric-service:linkinfo-isllink-destdomain?       common-def:rbridge-id-
type
    |   |      |            +--ro fabric-service:linkinfo-isllink-srcport?          uint16
    |   |      |            +--ro fabric-service:linkinfo-isllink-srcport-type?     interfacetype-type
    |   |      |            +--ro fabric-service:linkinfo-isllink-srcport-interface?   interface:interface-type
    |   |      |            +--ro fabric-service:linkinfo-isllink-destport?         uint16
    |   |      |            +--ro fabric-service:linkinfo-isllink-destport-type?    interfacetype-type
    |   |      |            +--ro fabric-service:linkinfo-isllink-destport-interface?   interface:interface-type
    |   |      |            +--ro fabric-service:linkinfo-isl-linkcost?             uint32
    |   |      |            +--ro fabric-service:linkinfo-isllink-costcount?        uint32
    |   |      |            +--ro fabric-service:linkinfo-isllink-type?             uint32
    |   |      |         +--ro fabric-service:linkinfo-trunked?                     linkinfo-trunked-type
    |   |      +--ro fabric-service:neighbor-state
    |   |         +--ro fabric-service:input
    |   |            +--ro (rbridge-id-or-all)?
```

```
|  |                        +--:(rbridge-id)
|  |                        |  +--ro fabric-service:rbridge-id?   common-def:rbridge-id-type
|  |                        +--:(all)
|  |                           +--ro fabric-service:all?          empty
|  +--rw brcd-fc-auth:fcsp
|  |  +--rw brcd-fc-auth:authsecret
|  |     +--ro brcd-fc-auth:dhchap
|  |        +--ro brcd-fc-auth:input
|  |        +--ro brcd-fc-auth:output
|  |           +--ro brcd-fc-auth:auth-show-secret [nodeid]
|  |              +--ro brcd-fc-auth:nodeid    string
|  +--rw ras-extensions:support
|  |  +--ro ras-extensions:support
|  |     +--ro ras-extensions:input
|  |     |  +--ro ras-extensions:rbridge-id?   rbridge-ids-all-type
|  |     +--ro ras-extensions:output
|  +--rw ras-extensions:copy-support
|  |  +--ro ras-extensions:status
|  |  |  +--ro ras-extensions:input
|  |  |  |  +--ro ras-extensions:rbridge-id?   switchid-type
|  |  |  +--ro ras-extensions:output
|  |  +--ro ras-extensions:group-list
|  |     +--ro ras-extensions:output
|  +--rw ras-extensions:infra-inventory
|  |  +--ro ras-extensions:inventory
|  |     +--ro ras-extensions:input
|  |     |  +--ro (opt)?
|  |     |  |  +--:(chassis)
|  |     |  |  |  +--ro ras-extensions:chassis?       empty
|  |     |  |  +--:(fan)
|  |     |  |  |  +--ro ras-extensions:fan?           empty
|  |     |  |  +--:(module)
|  |     |  |  |  +--ro ras-extensions:module?        empty
|  |     |  |  +--:(powerSupply)
|  |     |  |     +--ro ras-extensions:powerSupply?   empty
|  |     |  +--ro ras-extensions:rbridge-id?    switchid-range
|  |     +--ro ras-extensions:output
|  +--rw ras-extensions:infra
|  |  +--ro ras-extensions:chassis
|  |  |  +--ro ras-extensions:input
|  |  |  |  +--ro ras-extensions:rbridge-id?   switchid-type
|  |  |  +--ro ras-extensions:output
|  |  |     +--ro ras-extensions:chassis-info [rbridge-id]
|  |  |        +--ro ras-extensions:rbridge-id                 switchid-type
|  |  |        +--ro ras-extensions:switch-type                uint32
|  |  |        +--ro ras-extensions:vendor                     string
|  |  |        +--ro ras-extensions:vendor-version             string
|  |  |        +--ro ras-extensions:supplier-serial-number?    string
|  |  |        +--ro ras-extensions:chassis-service-tag?       string
|  |  |        +--ro ras-extensions:bay-id?                    string
|  |  |        +--ro ras-extensions:vendor-part-number?        string
|  |  |        +--ro ras-extensions:extreme-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
|   |   |   +--ro ras-extensions:info
|   |   |   |   +--ro ras-extensions:input
|   |   |   |   |   +--ro ras-extensions:rbridge-id?    switchid-type
|   |   |   |   +--ro ras-extensions:output
|   |   |   +--ro ras-extensions:memory
|   |   |   |   +--ro ras-extensions:input
|   |   |   |   |   +--ro ras-extensions:rbridge-id?    switchid-type
|   |   |   |   |   +--ro ras-extensions:summary?       empty
|   |   |   |   +--ro ras-extensions:output
|   |   |   +--ro ras-extensions:cpu
|   |   |       +--ro ras-extensions:input
|   |   |       |   +--ro ras-extensions:rbridge-id?       switchid-type
|   |   |       |   +--ro ras-extensions:summary?          empty
|   |   |       |   +--ro ras-extensions:history?          empty
|   |   |       |   +--ro ras-extensions:top?              empty
|   |   |       |   +--ro ras-extensions:all-partitions?   empty
|   |   |       +--ro ras-extensions:output
|   |   +--rw ras-extensions:environment
|   |       +--ro ras-extensions:fan
|   |       |   +--ro ras-extensions:input
|   |       |   |   +--ro ras-extensions:rbridge-id?   switchid-type
|   |       |   +--ro ras-extensions:output
|   |       +--ro ras-extensions:power
|   |       |   +--ro ras-extensions:input
|   |       |   |   +--ro ras-extensions:rbridge-id?   switchid-type
|   |       |   +--ro ras-extensions:output
|   |       +--ro ras-extensions:temp
|   |       |   +--ro ras-extensions:input
|   |       |   |   +--ro ras-extensions:rbridge-id?   switchid-type
|   |       |   +--ro ras-extensions:output
|   |       +--ro ras-extensions:sensor
|   |       |   +--ro ras-extensions:input
|   |       |   |   +--ro ras-extensions:rbridge-id?   switchid-type
|   |       |   +--ro ras-extensions:output
|   |       |       +--ro ras-extensions:sensor-info [rbridge-id]
|   |       |           +--ro ras-extensions:rbridge-id    switchid-type
|   |       |           +--ro ras-extensions:sensor
|   |       |               +--ro ras-extensions:id               uint32
|   |       |               +--ro ras-extensions:type             sensor-type
|   |       |               +--ro ras-extensions:sub-type         uint32
|   |       |               +--ro ras-extensions:status           sensor-status
|   |       |               +--ro ras-extensions:current-reading  int32
|   |       +--ro ras-extensions:history
|   |           +--ro ras-extensions:input
|   |           |   +--ro ras-extensions:rbridge-id?   switchid-type
|   |           +--ro ras-extensions:output
|   +--rw ras-extensions:logging
|   |   +--ro ras-extensions:raslog
|   |   |   +--ro ras-extensions:input
|   |   |   |   +--ro ras-extensions:rbridge-id?    switchid-type-noall
|   |   |   |   +--ro ras-extensions:reverse?       empty
|   |   |   |   +--ro ras-extensions:message-type?  enumeration
|   |   |   |   +--ro ras-extensions:attribute?     enumeration
|   |   |   |   +--ro ras-extensions:blade?         string
|   |   |   |   +--ro ras-extensions:count?         uint16
|   |   |   |   +--ro ras-extensions:severity?      enumeration
|   |   |   +--ro ras-extensions:output
|   |   +--ro ras-extensions:auditlog
|   |       +--ro ras-extensions:input
|   |       |   +--ro ras-extensions:reverse?      empty
|   |       |   +--ro ras-extensions:rbridge-id?   switchid-type-noall
|   |       |   +--ro ras-extensions:count?        uint16
|   |       +--ro ras-extensions:output
|   +--rw ras-extensions:al
|   |   +--ro ras-extensions:al
|   |       +--ro ras-extensions:input
|   |       +--ro ras-extensions:output
```

```
|   |         +--ro ras-extensions:mesg?    string
| +--rw firmware-extensions:firmware
| | +--ro firmware-extensions:firmwaredownloadstatus
| | | +--ro firmware-extensions:input
| | | | +--ro firmware-extensions:rbridge-id?        ras-extensions:switchid-type
| | | | +--ro firmware-extensions:brief?            empty
| | | | +--ro firmware-extensions:summary?          empty
| | | | +--ro firmware-extensions:logical-chassis?  empty
| | | +--ro firmware-extensions:output
| | |    +--ro firmware-extensions:result?    string
| | +--ro firmware-extensions:firmwaredownloadhistory
| | | +--ro firmware-extensions:input
| | | | +--ro firmware-extensions:rbridge-id?    string
| | | +--ro firmware-extensions:output
| | |    +--ro firmware-extensions:result?    string
| | +--ro firmware-extensions:firmware
| | | +--ro firmware-extensions:input
| | | | +--ro firmware-extensions:auto-sync?    enumeration
| | | +--ro firmware-extensions:output
| | |    +--ro firmware-extensions:result?    string
| | +--ro firmware-extensions:version
| | | +--ro firmware-extensions:input
| | | | +--ro firmware-extensions:non-peripheral
| | | | | +--ro firmware-extensions:rbridge-id?        ras-extensions:switchid-type
| | | | | +--ro firmware-extensions:brief?            empty
| | | | | +--ro firmware-extensions:all-partitions?  empty
| | | | +--ro firmware-extensions:peripheral
| | | |    +--ro firmware-extensions:peripheral    empty
| | | |    +--ro firmware-extensions:phy           empty
| | | +--ro firmware-extensions:output
| | |    +--ro firmware-extensions:result?    string
| | +--ro firmware-extensions:firmware-features
| |    +--ro firmware-extensions:input
| |    +--ro firmware-extensions:output
| |       +--ro firmware-extensions:result?    string
| +--rw firmware:dhcp-auto-deployment
| | +--ro firmware:dadstatus
| |    +--ro firmware:input
| |    +--ro firmware:output
| |       +--ro firmware:result?    string
| +--rw hardware:hardware
| | +--ro hardware:connector-group
| | | +--ro hardware:input
| | | +--ro hardware:output
| | +--ro hardware:port-group
| |    +--ro hardware:input
| |    | +--ro hardware:rbridge-id?    common-def:rbridge-id-type
| |    +--ro hardware:output
| +--rw hardware:hardware-profile
| | +--ro hardware:hardware-profile
| |    +--ro hardware:input
| |    | +--ro (profile-type)?
| |    | | +--:(tcam)
| |    | | | +--ro hardware:tcam          tcam-profile-subtype
| |    | | +--:(route-table)
| |    | | | +--ro hardware:routing
| |    | | |    +--ro hardware:route-table      routing-profile-subtype
| |    | | |    +--ro hardware:openflow-flag?   empty
| |    | | +--:(vlan)
| |    | | | +--ro hardware:vlan          vlan-classification-subtype
| |    | | +--:(kap)
| |    | | | +--ro hardware:kap           kap-profile-subtype
| |    | | +--:(current)
| |    | |    +--ro hardware:current       empty
| |    | +--ro hardware:rbridge-id?    common-def:rbridge-id-all-type
| |    +--ro hardware:output
| +--rw ha:ha
| | +--ro ha:ha
| |    +--ro ha:input
| |       +--ro ha:rbridge-id?       ras-extensions:switchid-type
| |       +--ro ha:all-partitions?  empty
| +--rw ha:redundancy
```

```
|  |   +--ro ha:redundancy
|  |      +--ro ha:input
|  |         +--ro ha:rbridge-id?   ras-extensions:switchid-type
|  +--rw http-config:http
|  |  +--rw http-config:server
|  |     +--ro http-config:status
|  |        +--ro http-config:input
|  |        |  +--ro http-config:rbridge-id?   common-def:rbridge-id-all-type
|  |        +--ro http-config:output
|  +--rw ip-administration:dhcpd
|  |  +--ro ip-administration:configuration
|  |     +--ro ip-administration:input
|  |        +--ro ip-administration:rbridge-id?   string
|  +--rw extreme-license:license
|  |  +--ro extreme-license:id
|  |     +--ro extreme-license:input
|  |     |  +--ro (single-or-all)?
|  |     |     +--:(rbridge-id)
|  |     |     |  +--ro extreme-license:rbridge-id?   common-def:rbridge-id-all-type
|  |     |     +--:(all)
|  |     |        +--ro extreme-license:all?          empty
|  |     +--ro extreme-license:output
|  |        +--ro extreme-license:licenseid-list [licenseid-rbridge-id]
|  |           +--ro extreme-license:licenseid-rbridge-id    common-def:rbridge-id-type
|  |           +--ro extreme-license:license-id?             string
|  +--rw extreme-license:enh-show-license-keys
|  |  +--ro extreme-license:license
|  |  |  +--ro extreme-license:input
|  |  |  |  +--ro (single-or-all)?
|  |  |  |     +--:(rbridge-id)
|  |  |  |     |  +--ro extreme-license:rbridge-id?   common-def:rbridge-id-all-type
|  |  |  |     +--:(all)
|  |  |  |        +--ro extreme-license:all?          empty
|  |  |  +--ro extreme-license:output
|  |  |     +--ro extreme-license:license-list [license-rbridge-id]
|  |  |        +--ro extreme-license:license-rbridge-id    common-def:rbridge-id-type
|  |  |        +--ro extreme-license:license-details
|  |  |           +--ro extreme-license:license-data?         string
|  |  |           +--ro extreme-license:license-expiry-date?  string
|  |  |           +--ro extreme-license:license-feature-name? string
|  |  |           +--ro extreme-license:license-capacity?     string
|  |  |           +--ro extreme-license:license-consumed?     string
|  |  |           +--ro extreme-license:license-valid-state?  string
|  |  |           +--ro extreme-license:license-vendor-info?  string
|  |  +--ro extreme-license:dpod
|  |     +--ro extreme-license:input
|  |     |  +--ro (single-or-all)?
|  |     |     +--:(rbridge-id)
|  |     |     |  +--ro extreme-license:rbridge-id?   common-def:rbridge-id-all-type
|  |     |     +--:(all)
|  |     |        +--ro extreme-license:all?          empty
|  |     +--ro extreme-license:output
|  |        +--ro extreme-license:showdpod-list [showdpod-rbridge-id]
|  |           +--ro extreme-license:showdpod-rbridge-id    common-def:rbridge-id-type
|  |           +--ro extreme-license:dpod-details
|  |              +--ro extreme-license:dpod-ports?                  uint32
|  |              +--ro extreme-license:dpod-licenses-installed?     uint32
|  |              +--ro extreme-license:num-ports-provisioned?       uint32
|  |              +--ro extreme-license:num-ports-reserved?          uint32
|  |              +--ro extreme-license:num-ports-license-available? uint32
|  +--rw linecard-management:linecardinfo
|  |  +--ro linecard-management:linecard
|  |     +--ro linecard-management:input
|  |     |  +--ro linecard-management:rbridge-id?   common-def:rbridge-id-type
|  |     +--ro linecard-management:output
|  +--rw linecard-management:sfminfo
|  |  +--ro linecard-management:sfm
|  |     +--ro linecard-management:input
|  |     |  +--ro linecard-management:rbridge-id?   common-def:rbridge-id-type
|  |     +--ro linecard-management:output
|  +--rw linecard-management:mminfor
|  |  +--ro linecard-management:mm
```

```
|  |      +--ro linecard-management:input
|  |      |  +--ro linecard-management:rbridge-id?   common-def:rbridge-id-type
|  |      +--ro linecard-management:output
|  +--rw linecard-management:slotsinfor
|  |  +--ro linecard-management:slots
|  |     +--ro linecard-management:input
|  |     |  +--ro linecard-management:rbridge-id?   common-def:rbridge-id-type
|  |     +--ro linecard-management:output
|  +--rw name-server:name-server
|  |  +--ro name-server:brief
|  |  |  +--ro name-server:input
|  |  |     +--ro name-server:rbridge-id?   common-def:rbridge-id-type
|  |  +--ro name-server:detail
|  |  |  +--ro name-server:input
|  |  |  |  +--ro name-server:rbridge-id?   common-def:rbridge-id-type
|  |  |  +--ro name-server:output
|  |  |     +--ro name-server:show-nameserver [nameserver-portid]
|  |  |        +--ro name-server:nameserver-portid                nameserver-portid-type
|  |  |        +--ro name-server:nameserver-portname?             common-def:wwn-type
|  |  |        +--ro name-server:nameserver-nodename?             common-def:wwn-type
|  |  |        +--ro name-server:nameserver-scr?                  uint32
|  |  |        +--ro name-server:nameserver-fc4s?                 nameserver-fc4s-type
|  |  |        +--ro name-server:nameserver-portsymb?             nameserver-symbolic-name-type
|  |  |        +--ro name-server:nameserver-nodesymb?             nameserver-symbolic-name-type
|  |  |        +--ro name-server:nameserver-fabric-portname?      common-def:wwn-type
|  |  |        +--ro name-server:nameserver-permanent-portname?   common-def:wwn-type
|  |  |        +--ro name-server:nameserver-devicetype?           nameserver-devicetype-type
|  |  |        +--ro name-server:nameserver-index?                uint32
|  |  |        +--ro name-server:nameserver-porttype?             nameserver-porttype-type
|  |  |        +--ro name-server:nameserver-cos?                  nameserver-cos-type
|  |  |        +--ro name-server:nameserver-sharearea?            nameserver-sharearea-type
|  |  |        +--ro name-server:nameserver-redirect?             nameserver-redirect-type
|  |  |        +--ro name-server:nameserver-xlatedomain?          nameserver-xlatedomain-type
|  |  |        +--ro name-server:nameserver-connected-via-ag?     nameserver-connected-via-ag-type
|  |  |        +--ro name-server:nameserver-ag-base-device?       nameserver-ag-base-device-type
|  |  |        +--ro name-server:nameserver-real?                 nameserver-real-type
|  |  |        +--ro name-server:nameserver-cascaded?             nameserver-cascaded-type
|  |  +--ro name-server:nodefind
|  |  |  +--ro name-server:input
|  |  |     +--ro (pid-or-wwn)?
|  |  |        +--:(wwn)
|  |  |        |  +--ro name-server:wwn    common-def:wwn-type
|  |  |        +--:(pid)
|  |  |           +--ro name-server:pid    nameserver-fcid-hexstring-type
|  |  +--ro name-server:zonemember
|  |     +--ro name-server:input
|  |        +--ro (pid-or-wwn)?
|  |           +--:(wwn)
|  |           |  +--ro name-server:wwn    common-def:wwn-type
|  |           +--:(pid)
|  |              +--ro name-server:pid    nameserver-fcid-hexstring-type
|  +--rw preprovision:bare-metal
|  |  +--ro preprovision:bare-metal
|  |     +--ro preprovision:input
|  |     +--ro preprovision:output
|  |        +--ro preprovision:bare-metal-state?   string
|  +--rw brcd-sec-services:telnet
|  |  +--rw brcd-sec-services:server
|  |     +--ro brcd-sec-services:status
|  |        +--ro brcd-sec-services:input
|  |        |  +--ro brcd-sec-services:rbridge-id?   common-def:rbridge-id-all-type
|  |        +--ro brcd-sec-services:output
|  +--rw brcd-sec-services:ssh
|  |  +--rw brcd-sec-services:server
|  |  |  +--ro brcd-sec-services:status
|  |  |     +--ro brcd-sec-services:input
|  |  |     |  +--ro brcd-sec-services:rbridge-id?   common-def:rbridge-id-all-type
|  |  |     +--ro brcd-sec-services:output
|  |  +--rw brcd-sec-services:client
|  |     +--ro brcd-sec-services:status
|  |        +--ro brcd-sec-services:input
|  |        |  +--ro brcd-sec-services:rbridge-id?   common-def:rbridge-id-all-type
```

```
|  |          +--ro brcd-sec-services:output
|  +--rw system-monitor-extensions:system
|  |  +--ro system-monitor-extensions:monitor
|  |     +--ro system-monitor-extensions:input
|  |     |  +--ro system-monitor-extensions:rbridge-id?   common-def:rbridge-id-all-type
|  |     +--ro system-monitor-extensions:output
|  |        +--ro system-monitor-extensions:switch-status
|  |           +--ro system-monitor-extensions:rbridge-id-out?    common-def:rbridge-id-type
|  |           +--ro system-monitor-extensions:switch-name?       string
|  |           +--ro system-monitor-extensions:switch-ip?         inet:ip-address
|  |           +--ro system-monitor-extensions:report-time?       ietfyang:date-and-time
|  |           +--ro system-monitor-extensions:switch-state?      system-monitor-health-state-enum
|  |           +--ro system-monitor-extensions:component-status
|  |           |  +--ro system-monitor-extensions:component-name?    string
|  |           |  +--ro system-monitor-extensions:component-state?   system-monitor-health-state-enum
|  |           +--ro system-monitor-extensions:faulty-port
|  |              +--ro system-monitor-extensions:port-name?   string
|  +--rw vswitch:vnetwork
|  |  +--ro vswitch:datacenter
|  |  |  +--ro vswitch:input
|  |  |     +--ro vswitch:vcenter    string
|  |  |     +--ro (op)?
|  |  |        +--:(id)
|  |  |           +--ro vswitch:id?        string
|  |  +--ro vswitch:hosts
|  |  |  +--ro vswitch:input
|  |  |  |  +--ro vswitch:vcenter      string
|  |  |  |  +--ro vswitch:datacenter?   string
|  |  |  |  +--ro (op)?
|  |  |  |     +--:(name)
|  |  |  |        +--ro vswitch:name?         string
|  |  |  +--ro vswitch:output
|  |  |     +--ro vswitch:vnetwork-hosts
|  |  |        +--ro vswitch:name?              string
|  |  |        +--ro vswitch:vmnic?             string
|  |  |        +--ro vswitch:mac?               yang:mac-address
|  |  |        +--ro vswitch:vswitch?           string
|  |  |        +--ro vswitch:interface-type?    enumeration
|  |  |        +--ro vswitch:interface-name?    union
|  |  +--ro vswitch:vms
|  |  |  +--ro vswitch:input
|  |  |  |  +--ro vswitch:vcenter      string
|  |  |  |  +--ro vswitch:datacenter?   string
|  |  |  |  +--ro (op)?
|  |  |  |     +--:(name)
|  |  |  |        +--ro vswitch:name?         string
|  |  |  +--ro vswitch:output
|  |  |     +--ro vswitch:vnetwork-vms
|  |  |        +--ro vswitch:name?       string
|  |  |        +--ro vswitch:mac?        yang:mac-address
|  |  |        +--ro vswitch:ip?         inet:ip-address
|  |  |        +--ro vswitch:host-nn?    string
|  |  +--ro vswitch:dvpgs
|  |  |  +--ro vswitch:input
|  |  |  |  +--ro vswitch:vcenter      string
|  |  |  |  +--ro vswitch:datacenter?   string
|  |  |  |  +--ro (op)?
|  |  |  |     +--:(name)
|  |  |  |        +--ro vswitch:name?         string
|  |  |  +--ro vswitch:output
|  |  |     +--ro vswitch:vnetwork-dvpgs
|  |  |        +--ro vswitch:name?     string
|  |  |        +--ro vswitch:dvs-nn?   string
|  |  |        +--ro vswitch:vlan?     string
|  |  +--ro vswitch:dvs
|  |  |  +--ro vswitch:input
|  |  |  |  +--ro vswitch:vcenter      string
|  |  |  |  +--ro vswitch:datacenter?   string
|  |  |  |  +--ro (op)?
|  |  |  |     +--:(name)
|  |  |  |        +--ro vswitch:name?         string
|  |  |  +--ro vswitch:output
```

```
|  |  |        +--ro vswitch:vnetwork-dvs
|  |  |           +--ro vswitch:name?             string
|  |  |           +--ro vswitch:host?             string
|  |  |           +--ro vswitch:pnic?             string
|  |  |           +--ro vswitch:interface-type?   enumeration
|  |  |           +--ro vswitch:interface-name?   union
|  |  +--ro vswitch:vss
|  |  |  +--ro vswitch:input
|  |  |  |  +--ro vswitch:vcenter       string
|  |  |  |  +--ro vswitch:datacenter?   string
|  |  |  |  +--ro (op)?
|  |  |  |     +--:(name)
|  |  |  |        +--ro vswitch:name?         string
|  |  |  +--ro vswitch:output
|  |  |     +--ro vswitch:vnetwork-vswitches
|  |  |        +--ro vswitch:name?             string
|  |  |        +--ro vswitch:host?             string
|  |  |        +--ro vswitch:pnic?             string
|  |  |        +--ro vswitch:interface-type?   enumeration
|  |  |        +--ro vswitch:interface-name?   union
|  |  +--ro vswitch:pgs
|  |  |  +--ro vswitch:input
|  |  |  |  +--ro vswitch:vcenter       string
|  |  |  |  +--ro vswitch:datacenter?   string
|  |  |  |  +--ro (op)?
|  |  |  |     +--:(name)
|  |  |  |        +--ro vswitch:name?         string
|  |  |  +--ro vswitch:output
|  |  |     +--ro vswitch:vnetwork-pgs
|  |  |        +--ro vswitch:name?     string
|  |  |        +--ro vswitch:vs-nn?    string
|  |  |        +--ro vswitch:vlan?     string
|  |  |        +--ro vswitch:host-nn?  string
|  |  +--rw vswitch:vmpolicy
|  |     +--ro vswitch:macaddr
|  |        +--ro vswitch:input
|  |        |  +--ro vswitch:vcenter       string
|  |        |  +--ro vswitch:datacenter?   string
|  |        |  +--ro (op)?
|  |        |     +--:(mac)
|  |        |        +--ro vswitch:mac?          vcenter-mac-address
|  |        +--ro vswitch:output
|  |           +--ro vswitch:vmpolicy-macaddr
|  |              +--ro vswitch:mac?          yang:mac-address
|  |              +--ro vswitch:name?         string
|  |              +--ro vswitch:dvpg-nn?      string
|  |              +--ro vswitch:port-nn?      string
|  |              +--ro vswitch:port-prof?    string
|  +--rw extreme-zone:zoning
|     +--ro extreme-zone:operation-info
|        +--ro extreme-zone:input
|        +--ro extreme-zone:output
|           +--ro extreme-zone:db-max?                        uint32
|           +--ro extreme-zone:db-avail?                      uint32
|           +--ro extreme-zone:db-committed?                  uint32
|           +--ro extreme-zone:db-transaction?                uint32
|           +--ro extreme-zone:transaction-token?             uint32
|           +--ro extreme-zone:last-zone-changed-timestamp?   string
|           +--ro extreme-zone:last-zone-committed-timestamp? string
+--rw clear
|  +--rw brcd-aaa:login
|  |  +--ro brcd-aaa:sessions
|  |     +--ro brcd-aaa:input
|  |     |  +--ro brcd-aaa:rbridge-id?   common-def:rbridge-id-all-type
|  |     +--ro brcd-aaa:output
|  +--rw ras-extensions:support
|  |  +--ro ras-extensions:support
|  |     +--ro ras-extensions:input
|  |     |  +--ro ras-extensions:rbridge-id?   rbridge-ids-all-type
|  |     +--ro ras-extensions:output
|  +--rw ras-extensions:logging
|     +--ro ras-extensions:raslog
```

```
|     |  +--ro ras-extensions:input
|     |  | +--ro ras-extensions:rbridge-id?     switchid-type
|     |  | +--ro ras-extensions:message-type?   enumeration
|     |  +--ro ras-extensions:output
|     +--ro ras-extensions:auditlog
|        +--ro ras-extensions:input
|        | +--ro ras-extensions:rbridge-id?   switchid-type
|        +--ro ras-extensions:output
+--rw no
|  +--rw certutil:certutil
|  |  +--ro certutil:ldapca
|  |  |  +--ro certutil:input
|  |  |  | +--ro certutil:rbridge-id?   common-def:rbridge-id-all-type
|  |  |  +--ro certutil:output
|  |  +--ro certutil:syslogca
|  |  |  +--ro certutil:input
|  |  |  | +--ro certutil:rbridge-id?   common-def:rbridge-id-all-type
|  |  |  +--ro certutil:output
|  |  +--ro certutil:sshkey
|  |     +--ro certutil:input
|  |     | +--ro certutil:user          string
|  |     | +--ro certutil:rbridge-id?   common-def:rbridge-id-all-type
|  |     +--ro certutil:output
|  +--rw clock-server:clock
|  |  +--ro clock-server:timezone
|  |     +--ro clock-server:input
|  |     | +--ro clock-server:rbridge-id?   common-def:rbridge-id-all-type
|  |     +--ro clock-server:output
|  +--rw brcd-crypto-ext:nocrypto
|  |  +--rw brcd-crypto-ext:ca
|  |     +--ro brcd-crypto-ext:authenticate
|  |     |  +--ro brcd-crypto-ext:input
|  |     |     +--ro brcd-crypto-ext:authenticate_params
|  |     |        +--ro brcd-crypto-ext:trustpoint    string
|  |     |        +--ro brcd-crypto-ext:rbridge-id?   common-def:rbridge-id-all-type
|  |     +--ro brcd-crypto-ext:import
|  |        +--ro brcd-crypto-ext:input
|  |           +--ro brcd-crypto-ext:authenticate_params
|  |              +--ro brcd-crypto-ext:trustpoint    string
|  |              +--ro brcd-crypto-ext:certificate   empty
|  |              +--ro brcd-crypto-ext:rbridge-id?   common-def:rbridge-id-all-type
|  +--rw brcd-fc-auth:fcsp
|     +--rw brcd-fc-auth:auth-secret
|        +--ro brcd-fc-auth:dhchap
|           +--ro brcd-fc-auth:input
|           | +--ro (op)?
|           |    +--:(node)
|           |    | +--ro brcd-fc-auth:node    common-def:wwn-type
|           |    +--:(all)
|           |       +--ro brcd-fc-auth:all    empty
|           +--ro brcd-fc-auth:output
|              +--ro brcd-fc-auth:result?   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]
|  |     +--rw ip-administration:name-server-ip     inet:ip-address
|  +--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: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: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 [extcommunity-list-num]
|  |     +--rw ip-policy:extcommunity-list-num    extcommunitylist-instance
|  |     +--rw ip-policy:ext-community-action?    action-t
|  |     +--rw ip-policy:ext-community-regex?     extcommunity-list-reg-expr-t
|  |     +--rw ip-policy:ext-community-expr?      extcommunity-list-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: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                  string
|        |  +--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                  string
|        |  +--rw rtm:static-route-oif-type         enumeration
|        |  +--rw rtm:static-route-oif-name         string
|        +--rw rtm:static-route-oif [static-route-dest static-route-oif-type static-route-oif-name]
|        |  +--rw rtm:static-route-dest        inet:ipv4-prefix
|        |  +--rw rtm:static-route-oif-type    enumeration
|        |  +--rw rtm:static-route-oif-name    string
|        |  +--rw rtm:route-attributes
|        |     +--rw rtm:metric?     uint32
|        |     +--rw rtm:distance?   uint32
|        |     +--rw rtm:tag?        uint32
|        +--rw rtm:static
|           +--rw rtm:bfd
|              +--rw rtm:bfd-static-route [bfd-static-route-dest bfd-static-route-src]
|                 +--rw rtm:bfd-static-route-dest      inet:ipv4-address
|                 +--rw rtm:bfd-static-route-src       inet:ipv4-address
|                 +--rw rtm:bfd-interval-attributes
|                    +--rw rtm:interval?     uint16
|                    +--rw rtm:min-rx?       uint16
|                    +--rw rtm:multiplier?   uint8
+--rw ipv6
|  +--rw ip-forward:ipv6route
|  |  +--rw ip-forward:route [dest]
|  |     +--rw ip-forward:dest        inet:ipv6-prefix
|  |     +--rw (next)
|  |        +--:(ipv6-hop)
|  |           +--rw ip-forward:next-hop?   inet:ipv6-address
|  +--rw ip-policy:hide-prefix-holder
|     +--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: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 router
   +--rw anycast-gateway:fabric-virtual-gateway?
      +--rw anycast-gateway:address-family
         +--rw anycast-gateway:ipv4?
         |  +--rw anycast-gateway:enable_global?               empty
         |  +--rw anycast-gateway:gratuitous-arp
         |  |  +--rw anycast-gateway:timer?   uint32
         |  +--rw anycast-gateway:gateway-mac-address?         mac-access-list:mac-address-type
         |  +--rw anycast-gateway:accept-unicast-arp-request?  empty
         +--rw anycast-gateway:ipv6?
            +--rw anycast-gateway:enable_global?         empty
            +--rw anycast-gateway:gratuitous-arp
            |  +--rw anycast-gateway:timer?   uint32
            +--rw anycast-gateway:gateway-mac-address?   mac-access-list:mac-address-type
```

History

Release version	History
7.1.0	This YANG module was modified to include the following: • Added container *peripheral* and *leaf peripheral* under it. • Added container *non-peripheral* • Added container *dhcpd*. • Added leaf *ext-community-regex* under group *extcommunity-list-rules*.

extreme-crypto

Configures Crypto services for HTTPS certificate management.

Top-level container

```
module: extreme-crypto
  +--rw crypto-sa
    +--rw crypto
      +--rw key* [label]
      |  +--rw label      string
      |  +--rw type?       key-type
      |  +--rw modulus?    uint32
      +--rw ca* [trustpoint]
        +--rw trustpoint    string
        +--rw keypair?       string
```

extreme-crypto-ext

Configures Crypto services for HTTPS certificate management.

Top-level container

```
module: extreme-crypto-ext
  +--rw crypto
    +--rw ca
      +---x authenticate
      |  +---w input
      |     +---w authenticate_params
      |        +---w trustpoint    string
      |        +---w protocol      enumeration
      |        +---w user          string
      |        +---w password?     string
      |        +---w host          inet:host
      |        +---w directory     string
      |        +---w file          string
      +---x enroll
      |  +---w input
      |     +---w authenticate_params
      |        +---w trustpoint    string
      |        +---w country       string
      |        +---w state         string
      |        +---w locality      string
      |        +---w organization  string
      |        +---w orgunit       string
      |        +---w common        inet:host
      |        +---w protocol      enumeration
      |        +---w user          string
      |        +---w password?     string
      |        +---w host          inet:host
      |        +---w directory     string
      +---x import
        +---w input
           +---w authenticate_params
              +---w trustpoint    string
              +---w certificate   empty
              +---w protocol      enumeration
              +---w user          string
              +---w password?     string
              +---w host          inet:host
              +---w directory     string
              +---w file          string
```

extreme-dhcp

Provides a data model to manage DHCP functionality.

External augmentations

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


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


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


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


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

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


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

History

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

extreme-dhcpv6

Provides a data model to manage DHCPv6 functionality.

External augmentations

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

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


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


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

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


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

extreme-diagnostics

Provides a data model for managing diagnostic tests.

This data model enables or disables power-on self-test (POST) and actions to initiate the tests listed in Table 1.

TABLE 1 Diagnostic actions

Action	Purpose
burninerrclear	Clears the errors that are stored in the nonvolatile storage on the slot during the burn-in process.
clearerror	Clears the diagnostics failure status.
portledtest	Runs various action modes on the port LEDs and validates the functionality.
portloopbacktest	Sends frames between various ASICs on the switch and validates the ASIC functionality.
post	Performs power-on self-test.
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: extreme-diagnostics
  +--rw diag
  |  +---x turboramtest
  |  |  +---w input
  |  |  |  +---w slot      slotidtype {platform_chassis}?
  |  |  |  +---w passcnt?   uint32
  |  |  +--ro output
  |  |     +--ro result?   string
  |  +---x portloopbacktest
  |  |  +---w input
  |  |  |  +---w (interfaces)?
  |  |  |  |  +--:(slot)
  |  |  |  |  |  +---w slot          slotidtype {platform_chassis}?
  |  |  |  |  +--:(ethernet)
  |  |  |  |  |  +---w ethernet?       interfaces:interface-type
  |  |  |  |  +--:(fibrechannel)
  |  |  |  |     +---w fibrechannel?   interfaces:interface-type {portlevel_testing_on}?
  |  |  |  +---w nframes?       uint32
  |  |  |  +---w lbmode?        uint32
  |  |  |  +---w spdmode?       enumeration
  |  |  +--ro output
  |  |     +--ro result?   string
  |  +---x portledtest
  |  |  +---w input
  |  |  |  +---w (interfaces)?
  |  |  |  |  +--:(slot)
  |  |  |  |  |  +---w slot          slotidtype {platform_chassis}?
  |  |  |  |  +--:(ethernet)
  |  |  |  |  |  +---w ethernet?       interfaces:interface-type
  |  |  |  |  +--:(fibrechannel)
  |  |  |  |     +---w fibrechannel?   interfaces:interface-type {portlevel_testing_on}?
  |  |  |  +---w action?         enumeration
  |  |  |  +---w npass?          uint32
  |  |  +--ro output
  |  |     +--ro result?   string
  |  +---x systemverification
  |  |  +---w input
  |  |  |  +---w (sysv)?
  |  |  |     +--:(short)
```

```
|  |  |       |  +---w short?     empty
|  |  |       +--:(stop)
|  |  |             +---w stop?     empty
|  |  +--ro output
|  |     +--ro result?    string
|  +---x prbstest
|  |  +---w input
|  |  |  +---w slot        slotidtype {platform_chassis}?
|  |  |  +---w pattern?    enumeration
|  |  +--ro output
|  |     +--ro result?    string
|  +---x clearerror
|  |  +--ro output
|  |     +--ro result?    string
|  +---x burninerrclear
|  |  +--ro output
|  |     +--ro result?    string
|  +---x setcycle
|  |  +---w input
|  |  |  +---w tbr_passes?    uint32
|  |  |  +---w num_of_runs?   uint32
|  |  |  +---w min_lb_mode?   uint32
|  |  |  +---w plb_nframes?   uint32
|  |  +--ro output
|  |     +--ro result?    string
|  +---x setdbg
|  |  +---w input
|  |     +---w level?    enumeration
|  +--rw post
|     +--rw enable?    empty
+--rw fos
   +---x exec
      +---w input
         +---w (op)?
            +--:(file)
            |  +---w file?    string
            +--:(cmd)
               +---w cmd?       string
```

extreme-dot1x

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

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

802.1X involves three parties:

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

This module defines the parameters used for the PNAC.

Top-level container

```
module: extreme-dot1x
   +--rw dot1x
      +--rw enable?   empty
      +--rw test
         +--rw timeout?   dot1x-readinesstest-timeout-interval
```

External augmentations

```
module: extreme-interface
   +--rw interface
   |  +--rw gigabitethernet
   |  |  +--rw dot1x:dot1x
   |  |  |  +--rw dot1x:authentication?     empty
   |  |  |  +--rw dot1x:port-control?        enumeration
   |  |  |  +--rw dot1x:protocol-version?   uint32
   |  |  |  +--rw dot1x:quiet-period?        uint32
   |  |  |  +--rw dot1x:reauthMax?           uint32
   |  |  |  +--rw dot1x:reauthentication?   empty
   |  |  |  +--rw dot1x:timeout
   |  |  |     +--rw dot1x:re-authperiod?    dot1x-reauth-timeout-interval
   |  |  |     +--rw dot1x:server-timeout?   dot1x-server-timeout-interval
   |  |  |     +--rw dot1x:supp-timeout?     dot1x-supp-timeout-interval
   |  |  |     +--rw dot1x:tx-period?        dot1x-tx-timeout-interval

module: extreme-interface
   +--rw interface
   |  +--rw tengigabitethernet
   |  |  +--rw dot1x:dot1x
   |  |  |  +--rw dot1x:authentication?     empty
   |  |  |  +--rw dot1x:port-control?        enumeration
   |  |  |  +--rw dot1x:protocol-version?   uint32
   |  |  |  +--rw dot1x:quiet-period?        uint32
   |  |  |  +--rw dot1x:reauthMax?           uint32
   |  |  |  +--rw dot1x:reauthentication?   empty
   |  |  |  +--rw dot1x:timeout
   |  |  |     +--rw dot1x:re-authperiod?    dot1x-reauth-timeout-interval
   |  |  |     +--rw dot1x:server-timeout?   dot1x-server-timeout-interval
   |  |  |     +--rw dot1x:supp-timeout?     dot1x-supp-timeout-interval
   |  |  |     +--rw dot1x:tx-period?        dot1x-tx-timeout-interval

module: extreme-interface
   +--rw interface
   |  +--rw fortygigabitethernet
   |  |  +--rw dot1x:dot1x
   |  |  |  +--rw dot1x:authentication?     empty
```

```
|  |  |  +--rw dot1x:port-control?        enumeration
|  |  |  +--rw dot1x:protocol-version?    uint32
|  |  |  +--rw dot1x:quiet-period?        uint32
|  |  |  +--rw dot1x:reauthMax?           uint32
|  |  |  +--rw dot1x:reauthentication?    empty
|  |  |  +--rw dot1x:timeout
|  |  |     +--rw dot1x:re-authperiod?    dot1x-reauth-timeout-interval
|  |  |     +--rw dot1x:server-timeout?   dot1x-server-timeout-interval
|  |  |     +--rw dot1x:supp-timeout?     dot1x-supp-timeout-interval
|  |  |     +--rw dot1x:tx-period?        dot1x-tx-timeout-interval

module: extreme-interface
  +--rw interface
  |  +--rw hundredgigabitethernet
  |  |  +--rw dot1x:dot1x
  |  |  |  +--rw dot1x:authentication?     empty
  |  |  |  +--rw dot1x:port-control?        enumeration
  |  |  |  +--rw dot1x:protocol-version?    uint32
  |  |  |  +--rw dot1x:quiet-period?        uint32
  |  |  |  +--rw dot1x:reauthMax?           uint32
  |  |  |  +--rw dot1x:reauthentication?    empty
  |  |  |  +--rw dot1x:timeout
  |  |  |     +--rw dot1x:re-authperiod?    dot1x-reauth-timeout-interval
  |  |  |     +--rw dot1x:server-timeout?   dot1x-server-timeout-interval
  |  |  |     +--rw dot1x:supp-timeout?     dot1x-supp-timeout-interval
  |  |  |     +--rw dot1x:tx-period?        dot1x-tx-timeout-interval
```

extreme-eld

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

External augmentations

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

extreme-entity

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

RPCs

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

extreme-event-handler

Provides event handler-related information.

Top-level container

```
module: extreme-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
     |  +--ro input
     |     +--ro 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
```

External augmentations

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


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

Actions

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

History

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

extreme-fc-auth

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

Top-level container

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

External augmentations

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

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

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

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

```
|   +--rw brcd-fc-auth:active-policy
|      +--rw brcd-fc-auth:policies [policy]
|         +--rw brcd-fc-auth:policy           secpolicy-type
|         +--rw brcd-fc-auth:member-entry [member]
|            +--rw brcd-fc-auth:member    string
```

Actions

Configure the authorization secret for DH-CHAP:

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

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

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

Delete the authorization secret for DH-CHAP:

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

Activate all the defined FC authorization policies:

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

extreme-firmware

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

This module supports the custom actions listed in Table 2.

TABLE 2 Custom actions for firmware version management

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

Top-level container

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

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

```
|  |  |  |  |  |  +--ro manual?      empty
|  |  |  |  |  |  +--ro noreboot?    empty
|  |  |  |  |  |  +--ro rbridgeid?   common-def:rbridge-id-type
|  |  |  |  |  |  +--ro vcs-id?      uint32
|  |  |  |  |  |  +--ro vcs-mode?    uint32
|  |  |  |  |  |  +--ro use-vrf?     common-def:vrf-name
|  |  |  |  +--ro output
|  |  |  |     +--ro fwdl-tid?      int32
|  |  |  |     +--ro fwdl-status?   int32
|  |  |  |     +--ro fwdl-msg?      string
|  |  |  +--ro scp
|  |  |  |  +--ro input
|  |  |  |  |  +--ro user         string
|  |  |  |  |  +--ro password?    string
|  |  |  |  |  +--ro host         string
|  |  |  |  |  +--ro directory    string
|  |  |  |  |  +--ro file?        string
|  |  |  |  |  +--ro manual?      empty
|  |  |  |  |  +--ro noreboot?    empty
|  |  |  |  |  +--ro rbridgeid?   common-def:rbridge-id-type
|  |  |  |  |  +--ro vcs-id?      uint32
|  |  |  |  |  +--ro vcs-mode?    uint32
|  |  |  |  |  +--ro use-vrf?     common-def:vrf-name
|  |  |  |  +--ro output
|  |  |  |     +--ro fwdl-tid?      int32
|  |  |  |     +--ro fwdl-status?   int32
|  |  |  |     +--ro fwdl-msg?      string
|  |  |  +--ro sftp
|  |  |  |  +--ro input
|  |  |  |  |  +--ro user         string
|  |  |  |  |  +--ro password?    string
|  |  |  |  |  +--ro host         string
|  |  |  |  |  +--ro directory    string
|  |  |  |  |  +--ro file?        string
|  |  |  |  |  +--ro manual?      empty
|  |  |  |  |  +--ro noreboot?    empty
|  |  |  |  |  +--ro rbridgeid?   common-def:rbridge-id-type
|  |  |  |  |  +--ro vcs-id?      uint32
|  |  |  |  |  +--ro vcs-mode?    uint32
|  |  |  |  |  +--ro use-vrf?     common-def:vrf-name
|  |  |  |  +--ro output
|  |  |  |     +--ro fwdl-tid?      int32
|  |  |  |     +--ro fwdl-status?   int32
|  |  |  |     +--ro fwdl-msg?      string
|  |  |  +--ro tftp
|  |  |  |  +--ro input
|  |  |  |  |  +--ro host         string
|  |  |  |  |  +--ro directory    string
|  |  |  |  |  +--ro file?        string
|  |  |  |  |  +--ro manual?      empty
|  |  |  |  |  +--ro noreboot?    empty
|  |  |  |  |  +--ro rbridgeid?   common-def:rbridge-id-type
|  |  |  |  |  +--ro vcs-id?      uint32
|  |  |  |  |  +--ro vcs-mode?    uint32
|  |  |  |  +--ro output
|  |  |  |     +--ro fwdl-tid?      int32
|  |  |  |     +--ro fwdl-status?   int32
|  |  |  |     +--ro fwdl-msg?      string
|  |  |  +--ro usb
|  |  |     +--ro input
|  |  |     |  +--ro directory    string
|  |  |     |  +--ro manual?      empty
|  |  |     |  +--ro noreboot?    empty
|  |  |     |  +--ro rbridgeid?   common-def:rbridge-id-type
|  |  |     |  +--ro vcs-id?      uint32
|  |  |     |  +--ro vcs-mode?    uint32
|  |  |     +--ro output
|  |  |        +--ro fwdl-tid?      int32
|  |  |        +--ro fwdl-status?   int32
|  |  |        +--ro fwdl-msg?      string
|  |  +--rw logical-chassis
|  |  |  +--ro ftp
```

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

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

```
|  |      |  +--ro user          string
|  |      |  +--ro password?      string
|  |      |  +--ro host           string
|  |      |  +--ro directory      string
|  |      |  +--ro file?          string
|  |      |  +--ro protocol       string
|  |      |  +--ro rbridge-id     rbridge-ids-all-type
|  |      +--ro output
|  |         +--ro fwdl-tid?      int32
|  |         +--ro fwdl-status?   int32
|  |         +--ro fwdl-msg?      string
|  +--rw install
|  |  +--ro ftp
|  |  |  +--ro input
|  |  |  |  +--ro user          string
|  |  |  |  +--ro password?      string
|  |  |  |  +--ro host           string
|  |  |  |  +--ro directory      string
|  |  |  |  +--ro file?          string
|  |  |  |  +--ro manual?        empty
|  |  |  |  +--ro rbridgeid?     common-def:rbridge-id-type
|  |  |  |  +--ro vcs-id?        uint32
|  |  |  |  +--ro vcs-mode?      uint32
|  |  |  |  +--ro use-vrf?       common-def:vrf-name
|  |  |  +--ro output
|  |  |     +--ro fwdl-tid?      int32
|  |  |     +--ro fwdl-status?   int32
|  |  |     +--ro fwdl-msg?      string
|  |  +--ro scp
|  |     +--ro input
|  |     |  +--ro user          string
|  |     |  +--ro password?      string
|  |     |  +--ro host           string
|  |     |  +--ro directory      string
|  |     |  +--ro file?          string
|  |     |  +--ro manual?        empty
|  |     |  +--ro rbridgeid?     common-def:rbridge-id-type
|  |     |  +--ro vcs-id?        uint32
|  |     |  +--ro vcs-mode?      uint32
|  |     |  +--ro use-vrf?       common-def:vrf-name
|  |     +--ro output
|  |        +--ro fwdl-tid?      int32
|  |        +--ro fwdl-status?   int32
|  |        +--ro fwdl-msg?      string
|  +--ro commit
|  |  +--ro input
|  |  +--ro output
|  |     +--ro result?   string
|  +--ro restore
|  |  +--ro input
|  |  +--ro output
|  |     +--ro result?   string
|  +--ro sync
|  |  +--ro input
|  |  +--ro output
|  |     +--ro result?   string
|  +--ro activate
|  |  +--ro input
|  |  |  +--ro rbridge-id?   rbridge-ids-all-type
|  |  +--ro output
|  |     +--ro overall-status?      int32
|  |     +--ro overall-error-msg?   string
|  |     +--ro activate-output [rbridge-id]
|  |        +--ro rbridge-id   common-def:rbridge-id-type
|  |        +--ro status?      int32
|  +--ro recover
|  |  +--ro input
|  |  |  +--ro rbridge-id?   rbridge-ids-all-type
|  |  +--ro output
|  |     +--ro result?   string
|  +--rw auto-sync
|  |  +--ro enable
```

```
|   |   |   +--ro input
|   |   |   +--ro output
|   |   |       +--ro result?   string
|   |   +--ro disable
|   |       +--ro input
|   |       +--ro output
|   |           +--ro result?   string
|   +--rw peripheral-update
|       +--rw microcode
|           +--rw phy
|               +--ro flash
|               |   +--ro input
|               |   |   +--ro chip-file    string
|               |   +--ro output
|               |       +--ro peri-updt-micro-phy-status?   int32
|               |       +--ro peri-updt-micro-phy-msg?      string
|               +--ro usb
|                   +--ro input
|                   |   +--ro chip-file    string
|                   +--ro output
|                       +--ro peri-updt-micro-phy-status?   int32
|                       +--ro peri-updt-micro-phy-msg?      string
+--rw write
|   +--ro erase
|       +--ro input
|       |   +--ro rbridgeid?   common-def:rbridge-id-type
|       |   +--ro vcs-id?      uint32
|       |   +--ro vcs-mode?    uint32
|       +--ro output
|           +--ro fwdl-tid?       int32
|           +--ro fwdl-status?   int32
|           +--ro fwdl-msg?      string
+--rw reboot
|   +--ro fastboot
|       +--ro input
+--rw dhcp
    +--rw auto-deployment
        +--ro enable
            +--ro input
            +--ro output
                +--ro dad-cmd-msg?   string
```

External augmentations

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

RPCs

```
+---x fwdl-status
|   +--ro output
|       +--ro number-of-entries?   uint32
|       +--ro fwdl-state?          enumeration
|       +--ro fwdl-entries
|           +--ro index?                uint32
|           +--ro message-id?           int32
|           +--ro date-and-time-info?   string
|           +--ro message?              string
|           +--ro blade-slot?           int32
|           +--ro blade-swbd?           int32
|           +--ro blade-name?           string
|           +--ro blade-state?          enumeration
|           +--ro blade-app?            string
+---x activate-status
|   +--ro input
|   |   +--ro rbridge-id?   rbridge-ids-all-type
```

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

```
      |  +--ro output
      |     +--ro overall-status?         int32
      |     +--ro cluster-fwdl-entries
      |        +--ro rbridge-id?    uint32
      |        +--ro fwdl-state?     enumeration
      |        +--ro fwdl-entries
      |           +--ro index?                uint32
      |           +--ro message-id?           int32
      |           +--ro date-and-time-info?   string
      |           +--ro message?              string
      |           +--ro blade-slot?           int32
      |           +--ro blade-swbd?           int32
      |           +--ro blade-name?           string
      |           +--ro blade-state?          enumeration
      |           +--ro blade-app?            string
      +---x dad-status
         +--ro output
            +--ro dad-last-state?        enumeration
            +--ro dad-status-entries
               +--ro index?                uint32
               +--ro date-and-time-info?   string
               +--ro message?              string
```

Actions

Download firmware from an FTP server:

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

Download firmware from an SCP server:

```
module: extreme-firmware
   +--rw firmware
   |  +--rw download
   |  |  +--ro scp
   |  |  |  +--ro input
   |  |  |  |  +--ro user         string
   |  |  |  |  +--ro password?    string
   |  |  |  |  +--ro host         string
   |  |  |  |  +--ro directory    string
   |  |  |  |  +--ro file?        string
   |  |  |  |  +--ro (options)?
   |  |  |  |  |  +--:(manual)
   |  |  |  |  |  |  +--ro manual?       empty
   |  |  |  |  |  |  +--ro noreboot?     empty
   |  |  |  |  |  |  +--ro nocommit?     empty
```

```
| | | | | +--:(noactive)
| | | | | | +--ro noactivate?   empty
| | | | | +--:(coldboot)
| | | | | | +--ro coldboot?     empty
| | | | +--ro use-vrf?        common-def:vrf-name
| | | +--ro output
| | |    +--ro fwdl-tid?     int32
| | |    +--ro fwdl-status?  int32
| | |    +--ro fwdl-msg?     string
```

Download firmware from an SFTP server:

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

Download firmware from a TFTP server:

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

Download firmware from a USB device:

```
module: extreme-firmware
   +--rw firmware
   | +--rw download
   | | +--ro usb
   | | | +--ro input
```

```
| | | | +--ro directory     string
| | | | +--ro (options)?
| | | |    +--:(manual)
| | | |    | +--ro manual?       empty
| | | |    | +--ro noreboot?     empty
| | | |    | +--ro nocommit?     empty
| | | |    +--:(noactivate)
| | | |    | +--ro noactivate?   empty
| | | |    +--:(coldboot)
| | | |       +--ro coldboot?     empty
| | | +--ro output
| | |    +--ro fwdl-tid?     int32
| | |    +--ro fwdl-status?  int32
| | |    +--ro fwdl-msg?     string
```

Download firmware interactively:

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

Default configuration on the FTP server:

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

Default configuration on the SCP server:

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

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

Default configuration on the SFTP server:

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

Default configuration on the TFTP server:

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

Default configuration on a USB device:

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

Logical chassis configuration on an FTP server:

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

Logical chassis configuration on an SCP server:

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

Logical chassis configuration on an SFTP server:

```
module: extreme-firmware
   +--rw firmware
   |  +--rw download
   |  |  +--rw logical-chassis
   |  |  |  +--ro sftp
   |  |  |     +--ro input
   |  |  |     |  +--ro user            string
   |  |  |     |  +--ro password?       string
   |  |  |     |  +--ro host            string
   |  |  |     |  +--ro directory       string
   |  |  |     |  +--ro file?           string
   |  |  |     |  +--ro rbridge-id      rbridge-ids-all-type
   |  |  |     |  +--ro (cluster-options)?
```

```
|  |  |  |  |  |  |  +--:(auto-activate)
|  |  |  |  |  |  |  |  +--ro auto-activate?   empty
|  |  |  |  |  |  |  +--:(coldboot)
|  |  |  |  |  |  |     +--ro coldboot?         empty
|  |  |  |  |  |  +--ro use-vrf?          common-def:vrf-name
|  |  |        +--ro output
|  |  |           +--ro fwdl-cmd-status?   int32
|  |  |           +--ro fwdl-cmd-msg?      string
|  |  |           +--ro cluster-output
|  |  |              +--ro rbridge-id?    uint32
|  |  |              +--ro fwdl-status?   int32
|  |  |              +--ro fwdl-msg?      string
```

Logical chassis configuration on an TFTP server:

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

Logical chassis default configuration on an FTP server:

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

Logical chassis default configuration on an SCP server:

```
module: extreme-firmware
   +--rw firmware
   |  +--rw download
   |  |  +--rw logical-chassis
   |  |  |  +--rw default-config
   |  |  |     +--ro scp
   |  |  |     |  +--ro input
```

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

Logical chassis default configuration on an SFTP server:

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

Logical chassis default configuration on an TFTP server:

```
module: extreme-firmware
   +--rw firmware
   |  +--rw download
   |  |  +--rw logical-chassis
   |  |  |  +--rw default-config
   |  |  |     +--ro tftp
   |  |  |        +--ro input
   |  |  |        |  +--ro host          string
   |  |  |        |  +--ro directory     string
   |  |  |        |  +--ro file?         string
   |  |  |        |  +--ro rbridge-id    rbridge-ids-all-type
   |  |  |        +--ro output
   |  |  |           +--ro fwdl-cmd-status?   int32
   |  |  |           +--ro fwdl-cmd-msg?      string
   |  |  |           +--ro cluster-output
   |  |  |              +--ro rbridge-id?    uint32
   |  |  |              +--ro fwdl-status?   int32
   |  |  |              +--ro fwdl-msg?      string
```

Commit a firmware version:

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

Install a firmware version using FTP:

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

Install a firmware version using SCP:

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

Restore a firmware version:

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

Synchronize firmware to peer processor:

```
module: extreme-firmware
   +--rw firmware
   |  +--rw download
   |  +--ro sync
   |  |  +--ro input
   |  |  +--ro output
   |  |     +--ro result?   string
```

Activate the firmware:

```
module: extreme-firmware
   +--rw firmware
```

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

Recover firmware:

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

Firmware clean-install using FTP:

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

Firmware clean-install using SCP:

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

Reload the system without running POST:

```
module: extreme-firmware
   +--rw reboot
```

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

Enable the deployment of firmware download:

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

Delete a firmware version:

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

Retrieve the current status of firmware download:

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

Enabling peripheral update:

```
module: extreme-common-def
   |   +--rw peripheral-update
   |      +--rw microcode
   |         +--rw phy
   |            +--ro flash
   |            |   +--ro input
   |            |   |   +--ro chip-file    string
   |            |   +--ro output
   |            |      +--ro peri-updt-micro-phy-status?   int32
   |            |      +--ro peri-updt-micro-phy-msg?      string
   |            +--ro usb
   |               +--ro input
   |               |   +--ro chip-file    string
   |               +--ro output
   |                  +--ro peri-updt-micro-phy-status?   int32
   |                  +--ro peri-updt-micro-phy-msg?      string
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Action *tftp* was added within *firmware* (container) -> *download* (container). • Action *tftp* was added within *firmware* (container) > *download* (container) -> *default-config* (container). • Action *tftp* was added within *firmware* (container) -> *logical-chassis* (container).

Release version	History
	• Action *tftp* was added within *firmware* (container) -> *logical-chassis* (container) -> *default-config* (container).
6.0.1a	This YANG module was modified to include the following: • Leaf *auto-activate* was added within case *auto-activate* under choice *reboot-options* under *input* within RPC *firmware-download*. • Leaf *coldboot* was added within case *coldboot* under choice *reboot-options* under *input* within RPC *firmware-download*.
7.0.0	This YANG module was modified to include the following: • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *action ftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *action scp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *action sftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *default-config* (container) -> *action ftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *default-config* (container) -> *action scp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *default-config* (container) -> *action sftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *action ftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *action scp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *action sftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *default-config* (container) -> *action ftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *default-config* (container) -> *action scp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *logical-chassis* (container) -> *default-config* (container) -> *action sftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *install* (container) -> *action ftp* -> *input*. • Leaf *use-vrf* was added within grouping *fwdl-inband-options* under *firmware* (container) -> *download* (container) -> *install* (container) -> *action scp* -> *input*.
7.1.0	This YANG module was modified to include the following: • Removed the container *autoupgrade-params*. • Added container *peripheral-update*. • Added container *microcode* and leaves: *peri-updt-micro-phy-status* and *peri-updt-micro-phy-msg* under it . • Added container action *flash* and *usb* under container *microcode*.

extreme-firmware-ext

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

External augmentations

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

RPCs

Return firmware version information:

```
+---x show-firmware-version
     +--ro input
     | +--ro switchid?   ras-extensions:switchid-type
     +--ro output
        +--ro show-firmware-version
           +--ro switchid?                  ras-extensions:switchid-type
           +--ro os-name?                   string
           +--ro os-version?                string
           +--ro copy-right-info?           string
           +--ro build-time?                string
           +--ro firmware-full-version?     string
           +--ro control-processor-vendor?  string
           +--ro control-processor-chipset? string
           +--ro control-processor-memory?  string
           +--ro node-info
              +--ro slot-no?               uint32
              +--ro node-instance-no?      uint32
              +--ro node-type?             node-type-enum
              +--ro is-active-cp?          boolean
              +--ro firmware-version-info
                 +--ro application-name?   string
                 +--ro primary-version?    string
                 +--ro secondary-version?  string
```

Actions

Return the firmware download status:

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

Return the firmware download history:

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

Check firmware:

```
module: extreme-common-def
   +--rw show
   |  +--rw firmware-extensions:firmware
   |  |  +--ro firmware-extensions:firmware
   |  |  |  +--ro firmware-extensions:input

   |  |  |  +--ro firmware-extensions:output
   |  |  |     +--ro firmware-extensions:result?   string
```

Return the firmware version string:

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

extreme-ha

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

Top-level container

```
module: extreme-ha
  +--rw ha
  |  +--ro enable
  |  |  +--ro input
  |  |     +--ro force?   empty
  |  +--ro disable
  |  |  +--ro input
  |  |     +--ro force?   empty
  |  +--ro dump
  |  |  +--ro input
  |  +--ro chassisreboot
  |  |  +--ro input
  |  +--ro failover
  |  |  +--ro input
  |  |     +--ro force?   empty
  |  +--rw sync
  |     +--ro start
  |     |  +--ro input
  |     |  +--ro output
  |     |     +--ro result?   string
  |     +--ro stop
  |        +--ro input
  |        +--ro output
  |           +--ro result?   string
  +--rw system
     +--ro reload
        +--ro input
        |  +--ro rbridge-id?   ras-extensions:switchid-type
        |  +--ro system?       empty
        |  +--ro standby?      empty
        +--ro output
           +--ro status-string?   string
```

External augmentations

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

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

RPCs

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

```
       |  +--ro standby?      empty
    +--ro output
       +--ro status-string?   string
```

Actions

Enable HA:

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

Disable HA:

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

Reboot HA:

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

Check HA failover:

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

Start HA synchronization:

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

Stop HA synchronisation:

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

Reboot the system:

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

Check HA status:

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

Display the current HA redundancy state:

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

History

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

extreme-hardware

Provides a data model for managing connectors.

Top-level container

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

External augmentations

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


module: extreme-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw hardware:hardware-profile /*drop-node-name*/
      |  +--rw hardware:tcam
```

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

RPCs

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

Actions

Check hardware:

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

Check hardware profile:

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

History

Release version	History

6.0.1	This YANG module was modified to include the following:
	
	• Container *custom-profile* was added within container *hardware* with the following attributes:
	
	    – List *kap-custom-profile* containing leaf *name*.
	    – Container *lacp* with leaves *lacp_hello_interval* and *lacp_num_entry*.
	    – Container *xstp* with leaves *xstp_hello_interval* and *xstp_num_entry*.
	    – Container *rpvst* with leaves *rpvst_hello_interval* and *rpvst_num_entry*.
	    – Container *udld* with leaves *udld_hello_interval* and *udld_num_entry*.
	    – Container *bfd-vxlan* with leaves *bfd_vxlan_hello_interval* and *bfd_vxlan_num_entry*.
	    – Container *bfd-l3* with leaves *bfd_l3_hello_interval* and *bfd_l3_num_entry*.
	    – Container *fcoe* with leaves *fcoe_hello_interval* and *fcoe_num_entry*.
	
	• Container *kap* was added in augment to extreme-rbridge -> *hardware-profile* (container) with the following attributes:
	
	    – Container *predefined* with leaf *kap_profiletype*.
	    – Container *customized* with leaf *kap_profilename*.

7.0.0	This YANG module was modified to include the following: • Action *port-group* was added in augment to /common-def:show -> *hardware* (container). • Leaf *rbridge-id* was added within action *port-group*. • Leaves *performance*, *portgroup-speed*, *support_performance* and *support_multispeed* were added under *hardware* (container) -> *port-group* (list).

extreme-http-config

Provides a data model for configuring the HTTP server.

Top-level container

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

External augmentations

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


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

Actions

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

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Action *status* was added in augment to common-def:show -> *http* (container) -> *server* (container).
7.0.0	This YANG module was modified to include the following: • Container *http-vrf-cont* was added under *http-group* (grouping) -> *http* (container) -> *server* (container). • Leaves *use-vrf-name* and *http-vrf-shutdown* were added within container *http-vrf-cont*.

Release version	History
	• Container *http-vrf-cont* was added under *http-group* (grouping) -> *http* (container) -> *server* (container) in augment to /rbridge:rbridge-id. • Leaves *use-vrf-name* and *http-vrf-shutdown* were added within container *http-vrf-cont* in augment to /rbridge:rbridge-id.
7.1.0	Added leaf *secure-and-plain* under container *server*.

extreme-http-redirect

Provides a data model to redirect the HTTP server.

RPCs

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

extreme-icmp

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

External augmentations

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

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

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

module: extreme-interface
   +--rw interface
   |  +--rw tengigabitethernet [name]
   |  |  +--rw ip
   |  |  |  +--rw icmp:icmp
```

```
|   |   |   |   +--rw icmp:echo-reply?      empty
|   |   |   |   +--rw icmp:rate-limiting?   uint32
|   |   |   |   +--rw icmp:unreachable?     empty
|   |   |   |   +--rw icmp:redirect?        empty
|   |   |   |   +--rw icmp:address-mask?    empty
|   |   +--rw ipv6
|   |   |   +--rw icmp:icmpv6
|   |   |   |   +--rw icmp:echo-reply?      empty
|   |   |   |   +--rw icmp:rate-limiting?   uint32
|   |   |   |   +--rw icmp:unreachable?     empty
|   |   |   |   +--rw icmp:redirect?        empty


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


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

History

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

extreme-igmp

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

External augmentations

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


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


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


module: extreme-interface
   +--rw interface
   |  +--rw gigabitethernet [name]
   |  |  +--rw ip
   |  |  |  +--rw igmp:igmp-phy-intf-cfg /*drop-node-name*/
   |  |  |  |  +--rw igmp:igmp
   |  |  |  |     +--rw igmp:last-member-query-interval?   igmp-snooping:lmqt-type
   |  |  |  |     +--rw igmp:query-interval?               igmp-snooping:qi-type
```

```
| | | |        +--rw igmp:query-max-response-time?    igmp-snooping:qmrt-type
| | | |        +--rw igmp:last-member-query-count?     igmp-snooping:lmqc-type
| | | |        +--rw igmp:startup-query-count?         igmp-snooping:sqc-type
| | | |        +--rw igmp:startup-query-interval?      igmp-snooping:sqi-type
| | | |        +--rw igmp:robustness-variable?         igmp-snooping:rob-type
| | | |        +--rw igmp:immediate-leave?             empty
| | | |        +--rw igmp:static-group [sg-addr]
| | | |           +--rw igmp:sg-addr    inet:ipv4-address


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

History

Release version	History

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

extreme-igmp-snooping

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

Top-level container

```
module: extreme-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: extreme-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
```

extreme-interface

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

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

TABLE 3 Entities managed through extreme-interface module

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

This module provides the mechanism to support the following actions:

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

Top-level container

High level nodes:

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

interface/fc-port:

```
module: extreme-interface
    +--rw interface
    |  +--rw fc-port [name] /*alt-name:FibreChannel*/
    |  |  +--rw name              interface-type
    |  |  +--rw fc-speed-cfg?     fc-speed-cfg-type /*alt-name:speed*/
    |  |  +--rw fill-word?        fc-fillword-cfg-type
    |  |  +--rw long-distance?    fc-long-distance-cfg-type
    |  |  +--rw vc-link-init?     fc-vc-link-init-cfg-type
    |  |  +--rw desire-distance?  desire-distance-type
```

```
      | |   +--rw isl-r_rdy-mode?    empty /*alt-name:isl-r_rdy*/
      | |   +--rw trunk-enable?      empty /*alt-name:enable*/
      | |   +--rw shutdown?          empty
      | |   +--rw config-mode?       interface-fc-config-mode-type
      | |   +--rw fec-enable?        empty
      | |   +--rw description?       string
```

interface/gigabitethernet:

```
module: extreme-interface /*alt-name:GigabitEthernet*/
    +--rw interface
    |  +--rw gigabitethernet [name]
    |  |  +--rw name                    interface-type
    |  |  +--ro ifindex?                uint64
    |  |  +--rw description?            string
    |  |  +--rw shutdown?               empty
    |  |  +--rw channel-group
    |  |  |  +--rw port-int?   portchannel-type /*drop-node-name*/
    |  |  |  +--rw mode?       po-mode
    |  |  |  +--rw type?       po-type
    |  |  +--rw mtu?                    mtu-type
    |  |  +--rw switchport-basic /*drop-node-name*/
    |  |  |  +--rw basic?   empty /*alt-name:switchport*/
    |  |  +--rw switchport
    |  |  |  +--rw mode
    |  |  |  |  +--rw vlan-mode?      l2-mode-type /*drop-node-name*/
    |  |  |  |  +--rw private-vlan
    |  |  |  |     +--rw private-vlan-trunk /*alt-name:"trunk"*/
    |  |  |  |     |  +--rw trunk-basic?         empty /*drop-node-name*/
    |  |  |  |     |  +--rw trunk-promiscuous?   empty
    |  |  |  |     |  +--rw trunk-host?          empty
    |  |  |  |     +--rw promiscuous?         empty
    |  |  |  |     +--rw host?                empty
    |  |  |  +--rw port-security?
    |  |  |  |  +--rw port-sec-max?              uint32
    |  |  |  |  +--rw port-sec-violation?        port-sec-violation /*alt-name:violation*/
    |  |  |  |  +--rw port-secutiry-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 /*drop-node-name*/
    |  |  |  |  |  +--rw port-secutiry-mac-address [mac-address port-sec-vlan]
    |  |  |  |  |     +--rw mac-address      mac-address-type
    |  |  |  |  |     +--rw port-sec-vlan    vlan-type
    |  |  |  |  +--rw allowed-ouis [oui] /*drop-node-name*/
    |  |  |  |  |  +--rw oui    oui-type
    |  |  |  |  +--rw shutdown-time?             uint32
    |  |  |  +--rw access
    |  |  |  |  +--rw accessvlan?     vlan-type
    |  |  |  |  +--rw rspan-access
    |  |  |  |     +--rw rspan-access-vlan?   vlan-type
    |  |  |  +--rw access-mac-group-vlan-classification /*drop-node-name*/
    |  |  |  |  +--rw access
    |  |  |  |     +--rw vlan [access-vlan-id access-mac-group]
    |  |  |  |        +--rw access-vlan-id      vlan-type
    |  |  |  |        +--rw access-mac-group    mac-group-id-type
    |  |  |  +--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
    |  |  |  +--rw trunk-private-vlan-classification
    |  |  |  |  +--rw private-vlan
    |  |  |  |     +--rw trunk
    |  |  |  |        +--rw allowed
    |  |  |  |           +--rw vlan
    |  |  |  |              +--rw add [trunk-vlan-id trunk-ctag-id]
    |  |  |  |              |  +--rw trunk-vlan-id    non-dot1q-vlan-type
    |  |  |  |              |  +--rw trunk-ctag-id    dot1q-vlan-type
    |  |  |  |              +--rw remove [trunk-vlan-id trunk-ctag-id]
    |  |  |  |                 +--rw trunk-vlan-id    non-dot1q-vlan-type
```

```
| | | |                      +--rw trunk-ctag-id    dot1q-vlan-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
| | | | | +--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
| | | | +--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
| | | | +--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
| | | | | +--rw native-vlan-ctag-id?  dot1q-vlan-type
| | | | +--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
| | | | +--rw native-vlan-untagged-config
| | | |    +--rw native-vlan-id-untagged?   vlan-type
| | | +--rw private-vlan
| | | | +--rw trunk
| | | | | +--rw pvlan-tag
| | | | | | +--rw pvlan-tag-native-vlan?   empty
| | | | | +--rw native
| | | | | | +--rw pvlanNativevlan?             vlan-type
| | | | | | +--rw pvlan-native-vlan-ctag-id?   dot1q-vlan-type
| | | | | +--rw allowed
| | | | |    +--rw vlan
| | | | |       +--rw pvlan_all?       empty
| | | | |       +--rw pvlan_none?      empty
| | | | |       +--rw pvlan_add?       ui32-1k-vlan-range
| | | | |       +--rw pvlan_except?   ui32-1k-vlan-range
| | | | |       +--rw pvlan_remove?   ui32-1k-vlan-range
| | | | +--rw host-association
| | | | | +--rw host-pri-pvlan?   vlan-type
| | | | | +--rw host-sec-pvlan?   vlan-type
| | | | +--rw association
| | | | | +--rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| | | | |    +--rw trunk-pri-pvlan    vlan-type
| | | | |    +--rw trunk-sec-pvlan    vlan-type
| | | | +--rw mapping [promis-pri-pvlan]
| | | |    +--rw promis-pri-pvlan          vlan-type
| | | |    +--rw oper?                     secVlan-opp-type
| | | |    +--rw promis-sec-pvlan-range?  ui32-range-8091
| | | +--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
|   |   |   +--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 mac-learning
|   |   |  +--rw mac-learn-disable
|   |   |     +--rw vlan
|   |   |        +--rw mac-learning-vlan-add?      ui32-range-8091
|   |   |        +--rw mac-learning-vlan-remove?   ui32-range-8091
|   |   +--rw ip
|   |   +--rw vrf
|   |   |  +--rw forwarding?   common-def:vrf-name
|   |   +--rw ipv6
|   |   |  +--rw raguard?   empty
|   |   +--rw snmp
|   |   |  +--rw trap
|   |   |     +--rw link-snmp-trap-status?   empty
|   |   +--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
|   |   |  +--rw eldprio?   uint32
|   |   |  +--rw eldvlan?   ui32-eldvlan-range
|   |   +--rw tunable-optics
|   |      +--rw sfpp
|   |         +--rw channel?   tunable-optics-sfpp-channel-type
```

interface/management:

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

```
| | | | +--rw v6_rate_limiting?    uint32 /*alt-name:rate-limiting*/
| | | +--rw ipv6-address-cont /*alt-name:address*/
| | | | +--rw ipv6-global-cont /*drop-node-name*/
| | | | | +--rw ipv6-global-address?        common-def:ipv6-address-prefix /*drop-node-name*/
| | | | | +--rw ipv6-global-address-eui64?    empty /*alt-name:eui-64*/
| | | | +--rw autoconfig?         empty
| | | | +--rw dhcpv6?             empty /*alt-name:dhcp*/
| | | +--ro ipv6-address*        string
| | | +--ro ipv6-gateways*       string
| | | +--rw ipv6-access-list:access-group
| | |     +--rw ipv6-access-list:mgmt-ipv6-access-list?   ipv6-l3-acl-policy-name
| | |     +--rw ipv6-access-list:mgmt-ip-direction?       enumeration
| | +--rw vrf
| | | +--rw vrf-forwarding?    common-def:vrf-name /*alt-name:forwarding*/
| | +--rw speed?                    enumeration
| | +--rw line-speed
| | | +--ro actual?        string
| | | +--ro configured?    string
| | +--rw shutdown_management?        empty /*alt-name:shutdown*/
| | +--ro shutdown_management_oper?    string /*alt-name:oper-status*/
```

interface/port-channel:

```
module: extreme-interface
  +--rw interface
  | +--rw port-channel [name] /*alt-name:Port-channel*/
  | | +--rw name                                  portchannel-type
  | | +--rw cee?                                  cee:cee-map-name-type
  | | +--rw vlag
  | | | +--rw ignore-split?   empty
  | | +--rw po-speed?                             enumeration /*alt-name:speed*/
  | | +--rw vrf
  | | | +--rw forwarding?   common-def:vrf-name
  | | +--ro ifindex?                              uint64
  | | +--rw description?                          string
  | | +--rw shutdown?                             empty
  | | +--rw minimum-links?                        uint32
  | | +--rw snmp
  | | | +--rw trap
  | | |    +--rw link-snmp-trap-status?   empty
  | | +--rw mtu?                                  mtu-type
  | | +--rw switchport-basic /*drop-node-name*/
  | | | +--rw basic?   empty /*alt-name:switchport*/
  | | +--rw switchport
  | | | +--rw mode
  | | | | +--rw vlan-mode?      l2-mode-type /*drop-node-name*/
  | | | | +--rw private-vlan
  | | | |    +--rw private-vlan-trunk /*alt-name:"trunk"*/
  | | | |    | +--rw trunk-basic?        empty /*drop-node-name*/
  | | | |    | +--rw trunk-promiscuous?   empty /*alt-name:"promiscuous"*/
  | | | |    | +--rw trunk-host?          empty /*alt-name:"host"*/
  | | | |    +--rw promiscuous?         empty
  | | | |    +--rw host?                empty
  | | | +--rw port-security?
  | | | | +--rw port-sec-max?              uint32 /*alt-name:max*/
  | | | | +--rw port-sec-violation?        port-sec-violation /*alt-name:violation*/
  | | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-node-name*/
  | | | | | +--rw mac-address      mac-address-type
  | | | | | +--rw port-sec-vlan    vlan-type /*alt-name:vlan*/
  | | | | +--rw sticky
  | | | | | +--rw sticky-flag?                empty /*drop-node-name*/
  | | | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan] /*drop-node-name*/\=
  | | | | |    +--rw mac-address      mac-address-type
  | | | | |    +--rw port-sec-vlan    vlan-type /*alt-name:vlan*/
  | | | | +--rw allowed-ouis [oui] /*drop-node-name*/
  | | | | | +--rw oui    oui-type
  | | | | +--rw shutdown-time?             uint32
  | | | +--rw access
  | | | | +--rw accessvlan?   vlan-type /*alt-name:vlan*/
  | | | +--rw access-mac-group-vlan-classification /*drop-node-name*/
  | | | | +--rw access
```

```
| | | |       +--rw vlan [access-vlan-id access-mac-group]
| | | |          +--rw access-vlan-id     vlan-type
| | | |          +--rw access-mac-group   mac-group-id-type /*alt-name:mac-group*/
| | | +--rw access-mac-vlan-classification
| | | | +--rw access
| | | |    +--rw vlan [access-vlan-id access-mac-address]
| | | |       +--rw access-vlan-id      vlan-type
| | | |       +--rw access-mac-address  mac-address-type /*alt-name:mac*/
| | | +--rw trunk-private-vlan-classification /*drop-node-name*/
| | | | +--rw private-vlan
| | | |    +--rw trunk
| | | |       +--rw allowed
| | | |          +--rw vlan
| | | |             +--rw add [trunk-vlan-id trunk-ctag-id]
| | | |             | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | |             | +--rw trunk-ctag-id    dot1q-vlan-type /*alt-name:ctag*/
| | | |             +--rw remove [trunk-vlan-id trunk-ctag-id]
| | | |                +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | |                +--rw trunk-ctag-id    dot1q-vlan-type /*alt-name:ctag*/
| | +--rw trunk
| | | +--rw allowed
| | | | +--rw vlan
| | | | | +--rw all?      empty
| | | | | +--rw none?     empty
| | | | | +--rw add?      ui32-vlan-20k-range
| | | | | +--rw except?   ui32-1k-vlan-range
| | | | | +--rw remove?   ui32-1k-vlan-range
| | | +--rw trunk-vlan-classification /*drop-node-name*/
| | | | +--rw allowed
| | | |    +--rw vlan
| | | |       +--rw add [trunk-vlan-id]
| | | |       | +--rw trunk-vlan-id       non-dot1q-vlan-type
| | | |       | +--rw trunk-ctag-range?   ui32-ctag-range /*alt-name:ctag*/
| | | |       +--rw remove [trunk-vlan-id]
| | | |          +--rw trunk-vlan-id       non-dot1q-vlan-type
| | | |          +--rw trunk-ctag-range?   ui32-ctag-range /*alt-name:ctag*/
| | | +--rw default-vlan-config /*drop-node-name*/
| | | | +--rw default-transparent-vlan?   non-dot1q-vlan-type /*alt-name:default-vlan*/
| | | +--rw tag?
| | | | +--rw native-vlan?   empty
| | | +--rw native-vlan-classification /*drop-node-name*/
| | | | +--rw native-vlan-id?        native-vlan-type /*alt-name:native-vlan*/
| | | | +--rw native-vlan-ctag-id?   dot1q-vlan-type /*alt-name:ctag*/
| | | +--rw native-vlan-xtagged-config /*drop-node-name*/
| | | | +--rw native-vlan-id-xtagged?          vlan-type /*alt-name:native-vlan-xtagged*/
| | | | +--rw native-vlan-ctag-id-xtagged?     dot1q-vlan-type /*alt-name:ctag*/
| | | | +--rw native-vlan-egress-type-xtagged?  enumeration /*alt-name:egress*/
| | | +--rw native-vlan-untagged-config /*drop-node-name*/
| | |    +--rw native-vlan-id-untagged?   vlan-type /*alt-name:native-vlan-untagged*/
| | +--rw private-vlan
| |    +--rw trunk
| |    | +--rw pvlan-tag /*alt-name:tag*/
| |    | | +--rw pvlan-tag-native-vlan?   empty /*alt-name:native-vlan*/
| |    | +--rw native
| |    | | +--rw pvlanNativevlan?            vlan-type
| |    | | +--rw pvlan-native-vlan-ctag-id?  dot1q-vlan-type
| |    | +--rw allowed
| |    |    +--rw vlan
| |    |       +--rw pvlan_all?      empty /*alt-name:all*/
| |    |       +--rw pvlan_none?     empty /*alt-name:none*/
| |    |       +--rw pvlan_add?      ui32-1k-vlan-range /*alt-name:add*/
| |    |       +--rw pvlan_except?   ui32-1k-vlan-range /*alt-name:except*/
| |    |       +--rw pvlan_remove?   ui32-1k-vlan-range /*alt-name:remove*/
| |    +--rw host-association
| |    | +--rw host-pri-pvlan?   vlan-type /*drop-node-name*/
| |    | +--rw host-sec-pvlan?   vlan-type /*drop-node-name*/
| |    +--rw association
| |    | +--rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| |    |    +--rw trunk-pri-pvlan    vlan-type
| |    |    +--rw trunk-sec-pvlan    vlan-type
| |    +--rw mapping [promis-pri-pvlan]
| |       +--rw promis-pri-pvlan          vlan-type
```

```
|  |  |           +--rw oper?                          secVlan-opp-type /*drop-node-name*/
|  |  |           +--rw promis-sec-pvlan-range?  ui32-range-8091 /*drop-node-name*/
|  |  +--rw mac-learning
|  |  |  +--rw mac-learn-disable /*alt-name:disable*/
|  |  |  |  +--rw vlan
|  |  |  |     +--rw mac-learning-vlan-add?      ui32-range-8091 /*alt-name:"add"*/
|  |  |  |     +--rw mac-learning-vlan-remove?  ui32-range-8091 /*alt-name:"remove"*/
|  |  +--rw ip
|  |  +--rw ipv6
|  |  |  +--rw raguard?                        empty
|  |  +--rw track
|  |  |  +--rw track_enable?   empty /*alt-name:enable*/
|  |  |  +--rw min-link?       uint32
|  |  |  +--rw interface [track-interface-type track-interface-name]
|  |  |  |  +--rw track-interface-type    enumeration /*drop-node-name*/
|  |  |  |  +--rw track-interface-name    string /*drop-node-name*/
|  |  |  +--rw remove
|  |  |     +--rw remove-all-track-interfaces?  empty /*alt-name:all*/
|  |  +--rw 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
|  |  |  +--rw eldprio?   uint32 /*alt-name:port-priority*/
|  |  |  +--rw eldvlan?   ui32-eldvlan-range /*alt-name:vlan*/
|  |  +--rw load-balance?
```

interface/tengigabitethernet:

```
module: extreme-interface
   +--rw interface
   |  +--rw tengigabitethernet [name] /*alt-name:TenGigabitEthernet*/
   |  |  +--rw name                     interface-type
   |  |  +--rw long-distance-isl?       enumeration
   |  |  +--rw cee?                     cee:cee-map-name-type
   |  |  +--rw speed?                   enumeration
   |  |  +--ro ifindex?                 uint64
   |  |  +--rw description?             string
   |  |  +--rw shutdown?                empty
   |  |  +--rw channel-group
   |  |  |  +--rw port-int?   portchannel-type /*drop-node-name*/
   |  |  |  +--rw mode?       po-mode
   |  |  |  +--rw type?       po-type
   |  |  +--rw mtu?                     mtu-type
   |  |  +--rw switchport-basic /*drop-node-name*/
   |  |  |  +--rw basic?   empty /*alt-name:switchport*/
   |  |  +--rw switchport
   |  |  |  +--rw mode
   |  |  |  |  +--rw vlan-mode?       l2-mode-type /*drop-node-name*/
   |  |  |  |  +--rw private-vlan
   |  |  |  |     +--rw private-vlan-trunk
   |  |  |  |     |  +--rw trunk-basic?        empty /*drop-node-name*/
   |  |  |  |     |  +--rw trunk-promiscuous?  empty /*alt-name:"promiscuous"*/
   |  |  |  |     |  +--rw trunk-host?         empty /*alt-name:"host"*/
   |  |  |  |     +--rw promiscuous?        empty
   |  |  |  |     +--rw host?               empty
   |  |  |  +--rw port-security?
   |  |  |  |  +--rw port-sec-max?             uint32
   |  |  |  |  +--rw port-sec-violation?       port-sec-violation
   |  |  |  |  +--rw port-secutiry-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 /*drop-node-name*/
   |  |  |  |  |  +--rw port-secutiry-mac-address [mac-address port-sec-vlan]
   |  |  |  |  |     +--rw mac-address      mac-address-type
   |  |  |  |  |     +--rw port-sec-vlan    vlan-type
   |  |  |  |  +--rw allowed-ouis [oui]
   |  |  |  |  |  +--rw oui     oui-type
```

```
|  |  |  |  +--rw shutdown-time?                uint32
|  |  |  +--rw access
|  |  |  |  +--rw accessvlan?     vlan-type
|  |  |  |  +--rw rspan-access
|  |  |  |     +--rw rspan-access-vlan?   vlan-type
|  |  |  +--rw access-mac-group-vlan-classification /*drop-node-name*/
|  |  |  |  +--rw access
|  |  |  |     +--rw vlan [access-vlan-id access-mac-group]
|  |  |  |        +--rw access-vlan-id      vlan-type
|  |  |  |        +--rw access-mac-group    mac-group-id-type
|  |  |  +--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
|  |  |  +--rw trunk-private-vlan-classification
|  |  |  |  +--rw private-vlan
|  |  |  |     +--rw trunk
|  |  |  |        +--rw allowed
|  |  |  |           +--rw vlan
|  |  |  |              +--rw add [trunk-vlan-id trunk-ctag-id]
|  |  |  |              |  +--rw trunk-vlan-id    non-dot1q-vlan-type
|  |  |  |              |  +--rw trunk-ctag-id    dot1q-vlan-type
|  |  |  |              +--rw remove [trunk-vlan-id trunk-ctag-id]
|  |  |  |                 +--rw trunk-vlan-id    non-dot1q-vlan-type
|  |  |  |                 +--rw trunk-ctag-id    dot1q-vlan-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
|  |  |  |  |  +--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
|  |  |  |  +--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
|  |  |  |  +--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
|  |  |  |  |  +--rw native-vlan-ctag-id?    dot1q-vlan-type
|  |  |  |  +--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
|  |  |  |  +--rw native-vlan-untagged-config
|  |  |  |     +--rw native-vlan-id-untagged?    vlan-type
|  |  |  +--rw private-vlan
```

```
| | | | +--rw trunk
| | | | | +--rw pvlan-tag
| | | | | | +--rw pvlan-tag-native-vlan?   empty
| | | | | +--rw native
| | | | | | +--rw pvlanNativevlan?              vlan-type
| | | | | | +--rw pvlan-native-vlan-ctag-id?   dot1q-vlan-type
| | | | | +--rw allowed
| | | | |    +--rw vlan
| | | | |       +--rw pvlan_all?      empty
| | | | |       +--rw pvlan_none?     empty
| | | | |       +--rw pvlan_add?      ui32-1k-vlan-range
| | | | |       +--rw pvlan_except?   ui32-1k-vlan-range
| | | | |       +--rw pvlan_remove?   ui32-1k-vlan-range
| | | | +--rw host-association
| | | | | +--rw host-pri-pvlan?   vlan-type
| | | | | +--rw host-sec-pvlan?   vlan-type
| | | | +--rw association
| | | | | +--rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| | | | |    +--rw trunk-pri-pvlan    vlan-type
| | | | |    +--rw trunk-sec-pvlan    vlan-type
| | | | +--rw mapping [promis-pri-pvlan]
| | | |    +--rw promis-pri-pvlan          vlan-type
| | | |    +--rw oper?                     secVlan-opp-type
| | | |    +--rw promis-sec-pvlan-range?   ui32-range-8091
| | | +--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
| | | +--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 mac-learning
| | | +--rw mac-learn-disable
| | |    +--rw vlan
| | |       +--rw mac-learning-vlan-add?      ui32-range-8091
| | |       +--rw mac-learning-vlan-remove?   ui32-range-8091
| | +--rw ip
| | +--rw vrf
| | | +--rw forwarding?   common-def:vrf-name
| | +--rw ipv6
| | | +--rw raguard?   empty
| | +--rw snmp
| | | +--rw trap
| | |    +--rw link-snmp-trap-status?   empty
| | +--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 vepa
| | | +--rw vepa-enable?   empty
| | +--rw edge-loop-detection
| | | +--rw eldprio?   uint32
| | | +--rw eldvlan?   ui32-eldvlan-range
| | +--rw tunable-optics
| |    +--rw sfpp
| |       +--rw channel?   tunable-optics-sfpp-channel-type
```

interface/fortygigabitethernet:

```
module: extreme-interface
   +--rw interface
   |  |  +--rw fortygigabitethernet [name] /*alt-name:FortyGigabitEthernet*/
   |  |  +--rw name                   interface-type
   |  |  +--rw cee?                   cee:cee-map-name-type
   |  |  +--ro ifindex?               uint64
   |  |  +--rw description?           string
   |  |  +--rw shutdown?              empty
   |  |  +--rw channel-group
   |  |  |  +--rw port-int?   portchannel-type /*drop-node-name*/
   |  |  |  +--rw mode?       po-mode
   |  |  |  +--rw type?       po-type
   |  |  +--rw mtu?                   mtu-type /*drop-node-name*/
   |  |  +--rw switchport-basic
   |  |  |  +--rw basic?   empty
   |  |  +--rw switchport
   |  |  |  +--rw mode
   |  |  |  |  +--rw vlan-mode?      l2-mode-type
   |  |  |  |  +--rw private-vlan
   |  |  |  |     +--rw private-vlan-trunk /*alt-name:"trunk"*/
   |  |  |  |     |  +--rw trunk-basic?          empty /*drop-node-name*/
   |  |  |  |     |  +--rw trunk-promiscuous?   empty /*alt-name:"promiscuous"*/
   |  |  |  |     |  +--rw trunk-host?          empty  /*alt-name:"host"*/
   |  |  |  |     +--rw promiscuous?         empty
   |  |  |  |     +--rw host?                empty
   |  |  |  +--rw port-security?
   |  |  |  |  +--rw port-sec-max?               uint32 /*alt-name: max*/
   |  |  |  |  +--rw port-sec-violation?         port-sec-violation /*alt-name:violation*/
   |  |  |  |  +--rw port-secutiry-mac-address [mac-address port-sec-vlan]
   |  |  |  |  |  +--rw mac-address      mac-address-type
   |  |  |  |  |  +--rw port-sec-vlan    vlan-type
   |  |  |  |  +--rw sticky
   |  |  |  |  |  +--rw sticky-flag?               empty /*drop-node-name*/
   |  |  |  |  |  +--rw port-secutiry-mac-address [mac-address port-sec-vlan]
   |  |  |  |  |     +--rw mac-address      mac-address-type
   |  |  |  |  |     +--rw port-sec-vlan    vlan-type
   |  |  |  |  +--rw allowed-ouis [oui]
   |  |  |  |  |  +--rw oui    oui-type
   |  |  |  |  +--rw shutdown-time?             uint32
   |  |  |  +--rw access
   |  |  |  |  +--rw accessvlan?     vlan-type
   |  |  |  |  +--rw rspan-access
   |  |  |  |     +--rw rspan-access-vlan?   vlan-type
   |  |  |  +--rw access-mac-group-vlan-classification /*drop-node-name*/
   |  |  |  |  +--rw access
   |  |  |  |     +--rw vlan [access-vlan-id access-mac-group]
   |  |  |  |        +--rw access-vlan-id      vlan-type
   |  |  |  |        +--rw access-mac-group    mac-group-id-type
   |  |  |  +--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
   |  |  |  +--rw trunk-private-vlan-classification
   |  |  |  |  +--rw private-vlan
   |  |  |  |     +--rw trunk
   |  |  |  |        +--rw allowed
   |  |  |  |           +--rw vlan
   |  |  |  |              +--rw add [trunk-vlan-id trunk-ctag-id]
   |  |  |  |              |  +--rw trunk-vlan-id    non-dot1q-vlan-type
   |  |  |  |              |  +--rw trunk-ctag-id    dot1q-vlan-type
   |  |  |  |              +--rw remove [trunk-vlan-id trunk-ctag-id]
   |  |  |  |                 +--rw trunk-vlan-id    non-dot1q-vlan-type
   |  |  |  |                 +--rw trunk-ctag-id    dot1q-vlan-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
| | | | | | +--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
| | | | +--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
| | | | +--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
| | | | | +--rw native-vlan-ctag-id?   dot1q-vlan-type
| | | | +--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
| | | | +--rw native-vlan-untagged-config
| | | |    +--rw native-vlan-id-untagged?   vlan-type
| | | +--rw private-vlan
| | | | +--rw trunk
| | | | | +--rw pvlan-tag
| | | | | | +--rw pvlan-tag-native-vlan?   empty
| | | | | +--rw native
| | | | | | +--rw pvlanNativevlan?             vlan-type
| | | | | | +--rw pvlan-native-vlan-ctag-id?   dot1q-vlan-type
| | | | | +--rw allowed
| | | | |    +--rw vlan
| | | | |       +--rw pvlan_all?      empty
| | | | |       +--rw pvlan_none?     empty
| | | | |       +--rw pvlan_add?      ui32-1k-vlan-range
| | | | |       +--rw pvlan_except?   ui32-1k-vlan-range
| | | | |       +--rw pvlan_remove?   ui32-1k-vlan-range
| | | | +--rw host-association
| | | | | +--rw host-pri-pvlan?   vlan-type
| | | | | +--rw host-sec-pvlan?   vlan-type
| | | | +--rw association
| | | | | +--rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
| | | | |    +--rw trunk-pri-pvlan    vlan-type
| | | | |    +--rw trunk-sec-pvlan    vlan-type
| | | | +--rw mapping [promis-pri-pvlan]
| | | |    +--rw promis-pri-pvlan          vlan-type
| | | |    +--rw oper?                     secVlan-opp-type
| | | |    +--rw promis-sec-pvlan-range?   ui32-range-8091
| | | +--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
| | | +--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 mac-learning
|   |   |   +--rw mac-learn-disable
|   |   |      +--rw vlan
|   |   |         +--rw mac-learning-vlan-add?      ui32-range-8091
|   |   |         +--rw mac-learning-vlan-remove?   ui32-range-8091
|   |   +--rw ip
|   |   +--rw vrf
|   |   |   +--rw forwarding?   common-def:vrf-name
|   |   +--rw ipv6
|   |   |   +--rw raguard?   empty
|   |   +--rw snmp
|   |   |   +--rw trap
|   |   |      +--rw link-snmp-trap-status?   empty
|   |   +--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
|   |   |   +--rw eldprio?   uint32
|   |   |   +--rw eldvlan?   ui32-eldvlan-range
|   |   +--rw tunable-optics
|   |      +--rw sfpp
|   |         +--rw channel?   tunable-optics-sfpp-channel-type
```

interface/hundredgigabitethernet:

```
module: extreme-interface
   +--rw interface
   |   |   +--rw hundredgigabitethernet [name] /*alt-name:HundredGigabitEthernet*/
   |   |   +--rw name                       interface-type
   |   |   +--rw cee?                        cee:cee-map-name-type
   |   |   +--rw fec
   |   |   |   +--rw fec-enable?   empty /*alt-name "enable"*/
   |   |   +--ro ifindex?                    uint64
   |   |   +--rw description?                string
   |   |   +--rw shutdown?                   empty
   |   |   +--rw channel-group
   |   |   |   +--rw port-int?    portchannel-type /*drop-node-name*/
   |   |   |   +--rw mode?        po-mode
   |   |   |   +--rw type?        po-type
   |   |   +--rw mtu?                        mtu-type
   |   |   +--rw switchport-basic /*drop-node-name*/
   |   |   |   +--rw basic?   empty
   |   |   +--rw switchport
   |   |   |   +--rw mode
   |   |   |   |   +--rw vlan-mode?       l2-mode-type /*drop-node-name*/
   |   |   |   |   +--rw private-vlan
   |   |   |   |      +--rw private-vlan-trunk /*alt-name:"trunk"*/
   |   |   |   |      |   +--rw trunk-basic?         empty *drop-node-name*/
   |   |   |   |      |   +--rw trunk-promiscuous?   empty /*alt-name:"promiscuous"*/
   |   |   |   |      |   +--rw trunk-host?          empty /*alt-name:"host"*/
   |   |   |   |      +--rw promiscuous?         empty
   |   |   |   |      +--rw host?                empty
   |   |   |   +--rw port-security?
   |   |   |   |   +--rw port-sec-max?                uint32 /*alt-name:max*/
   |   |   |   |   +--rw port-sec-violation?          port-sec-violation /*alt-name:violation*/
```

```
| | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan]
| | | | | +--rw mac-address      mac-address-type
| | | | | +--rw port-sec-vlan    vlan-type
| | | | +--rw sticky
| | | | | +--rw sticky-flag?                  empty /*drop-node-name*/
| | | | | +--rw port-secutiry-mac-address [mac-address port-sec-vlan]
| | | | |    +--rw mac-address      mac-address-type
| | | | |    +--rw port-sec-vlan    vlan-type
| | | | +--rw allowed-ouis [oui]
| | | | | +--rw oui    oui-type
| | | | +--rw shutdown-time?              uint32
| | | +--rw access
| | | | +--rw accessvlan?    vlan-type
| | | | +--rw rspan-access
| | | |    +--rw rspan-access-vlan?   vlan-type
| | | +--rw access-mac-group-vlan-classification /*drop-node-name*/
| | | | +--rw access
| | | |    +--rw vlan [access-vlan-id access-mac-group]
| | | |       +--rw access-vlan-id      vlan-type
| | | |       +--rw access-mac-group    mac-group-id-type
| | | +--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
| | | +--rw trunk-private-vlan-classification
| | | | +--rw private-vlan
| | | |    +--rw trunk
| | | |       +--rw allowed
| | | |          +--rw vlan
| | | |             +--rw add [trunk-vlan-id trunk-ctag-id]
| | | |             | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | |             | +--rw trunk-ctag-id    dot1q-vlan-type
| | | |             +--rw remove [trunk-vlan-id trunk-ctag-id]
| | | |                +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | |                +--rw trunk-ctag-id    dot1q-vlan-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
| | | | | +--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
| | | | +--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
| | | | +--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
|  |  |  |  |  +--rw native-vlan-ctag-id?    dot1q-vlan-type
|  |  |  |  +--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
|  |  |  |  +--rw native-vlan-untagged-config
|  |  |  |     +--rw native-vlan-id-untagged?   vlan-type
|  |  |  +--rw private-vlan
|  |  |  |  +--rw trunk
|  |  |  |  |  +--rw pvlan-tag
|  |  |  |  |  |  +--rw pvlan-tag-native-vlan?   empty
|  |  |  |  |  +--rw native
|  |  |  |  |  |  +--rw pvlanNativevlan?              vlan-type
|  |  |  |  |  |  +--rw pvlan-native-vlan-ctag-id?   dot1q-vlan-type
|  |  |  |  |  +--rw allowed
|  |  |  |  |     +--rw vlan
|  |  |  |  |        +--rw pvlan_all?       empty
|  |  |  |  |        +--rw pvlan_none?      empty
|  |  |  |  |        +--rw pvlan_add?       ui32-1k-vlan-range
|  |  |  |  |        +--rw pvlan_except?    ui32-1k-vlan-range
|  |  |  |  |        +--rw pvlan_remove?    ui32-1k-vlan-range
|  |  |  |  +--rw host-association
|  |  |  |  |  +--rw host-pri-pvlan?   vlan-type
|  |  |  |  |  +--rw host-sec-pvlan?   vlan-type
|  |  |  |  +--rw association
|  |  |  |  |  +--rw trunk [trunk-pri-pvlan trunk-sec-pvlan]
|  |  |  |  |     +--rw trunk-pri-pvlan    vlan-type
|  |  |  |  |     +--rw trunk-sec-pvlan    vlan-type
|  |  |  |  +--rw mapping [promis-pri-pvlan]
|  |  |  |     +--rw promis-pri-pvlan         vlan-type
|  |  |  |     +--rw oper?                    secVlan-opp-type
|  |  |  |     +--rw promis-sec-pvlan-range?   ui32-range-8091
|  |  |  +--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
|  |  |  +--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 mac-learning
|  |  |  +--rw mac-learn-disable
|  |  |     +--rw vlan
|  |  |        +--rw mac-learning-vlan-add?      ui32-range-8091
|  |  |        +--rw mac-learning-vlan-remove?   ui32-range-8091
|  |  +--rw ip
|  |  +--rw vrf
|  |  |  +--rw forwarding?   common-def:vrf-name
|  |  +--rw ipv6
|  |  |  +--rw raguard?   empty
|  |  +--rw snmp
|  |  |  +--rw trap
|  |  |     +--rw link-snmp-trap-status?   empty
|  |  +--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
```

```
| | | +--rw eldprio?   uint32
| | | +--rw eldvlan?   ui32-eldvlan-range
| | +--rw tunable-optics
| |    +--rw sfpp
| |       +--rw channel?   tunable-optics-sfpp-channel-type
```

interface-vlan:

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

protocol:

```
module: extreme-interface
   +--rw protocol
```

reserved-vlan:

```
module: extreme-interface
   | +--rw reserved-vlan-start?   uint32 /*drop-node-name*/
   | +--rw reserved-vlan-end?     uint32 /*drop-node-name*/
   +--rw global-mtu-conf /*drop-node-name*/
      +--rw global-l2-mtu?       mtu-type /*alt-name:mtu*/
```

External augmentations

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

Notifications

```
notifications:
   +---n interfaceLinkState
```

```
+--ro ifIndex    uint32
+--ro ifName?    string
+--ro ifState?   enumeration
```

History

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

6.0.1a	This YANG module was modified to include the following:
	• Leaf *link-snmp-trap-status* was added under container *trap* within container *snmp* in augment to the following:
	  – /interface/gigabitethernet.
	  – /interface/tengigabitethernet.
	  – /interface/fortygigabitethernet.
	  – /interface/hundredgigabitethernet.
	  – /rbridge:rbridge-id/interface/ve.

7.0.0	This YANG module was modified to include the following:
	• Container *tunable-optics* containing leaf *channel* within container *sfpp* was added in augment to the following:
	  – /interface/gigabitethernet.
	  – /interface/tengigabitethernet.
	  – /interface/fortygigabitethernet.
	  – /interface/hundredgigabitethernet.
	  – /rbridge:rbridge-id/interface/ve.
	• Container *fec* containing leaf *fec-enable* was added in augment to /interface/hundredgigabitethernet.
	• Container *vrf* containing leaf *forwarding* was added within list *port-channel*.

Release version	History
	• Leaf *link-snmp-trap-status* was added within *snmp* (container) -> *trap* (container) in augment to /interface/port-channel. • Added section NETCONF notifications.
7.0.1	This YANG module was modified to include the following: Container *global-mtu-conf* containing leaf *global-l2-mtu* was added. Leaves *global-ip-mtu* and *global-ipv6-mtu* were added.
7.1.0	This YANG module was modified to include the following: • Added container *bfd* under grouping *bfd-interface-params-config*. • Added leaf *bfd-shutdown* under container *bfd* • Added container *interval*, and leaves: *min-tx*, *min rx*, and leaf *multiplier* under it.

extreme-interface-ext

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

RPCs

```
module: extreme-interface-ext
rpcs:
  +---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 vlan-state?    enumeration
  |     |  +--ro interface* [interface-type interface-name]
  |     |     +--ro interface-type    enumeration
  |     |     +--ro interface-name    union
  |     |     +--ro tag?              enumeration
  |     |     +--ro classification* [classification-type classification-value]
  |     |        +--ro classification-type     enumeration
  |     |        +--ro classification-value    string
  |     +--ro last-vlan-id?               interface:vlan-type
  |     +--ro has-more?                   boolean
  +---x get-interface-switchport
  |  +--ro output
  |     +--ro switchport* [interface-type interface-name]
  |        +--ro interface-type          enumeration
  |        +--ro interface-name          union
  |        +--ro mode?                   interface:switchport-mode-type
  |        +--ro fcoe-port-enabled?      boolean
  |        +--ro ingress-filter-enabled?   boolean
  |        +--ro acceptable-frame-type?    enumeration
  |        +--ro default-vlan?             interface:vlan-type
  |        +--ro active-vlans
  |        | +--ro vlanid*   interface:vlan-type
  |        +--ro inactive-vlans
  |           +--ro vlanid*   interface:vlan-type
  +---x get-ip-interface
  |  +---w input
  |  |  +---w (request-type)?
  |  |     +--:(get-request)
  |  |        +---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?       interface:mtu-type
  |     |  +--ro if-state?               enumeration
  |     |  +--ro line-protocol-state?    enumeration
  |     |  +--ro proxy-arp?              string
```

```
|     |  +--ro vrf?                      string
|     +--ro has-more?    boolean
+---x get-interface-detail
|  +---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?                       interface:mtu-type
|     |  +--ro if-name?                      string
|     |  +--ro if-state?                     enumeration
|     |  +--ro line-protocol-state?          enumeration
|     |  +--ro line-protocol-state-info?     string
|     |  +--ro line-protocol-exception-info? string
|     |  +--ro hardware-type?                enumeration
|     |  +--ro logical-hardware-address?     yang:mac-address
|     |  +--ro current-hardware-address?     yang:mac-address
|     |  +--ro media-type?                   enumeration
|     |  +--ro wavelength?                   uint32
|     |  +--ro if-description?               string
|     |  +--ro actual-line-speed?            string
|     |  +--ro configured-line-speed?        line-speed
|     |  +--ro line-duplex-state?            enumeration
|     |  +--ro queuing-strategy?             enumeration
|     |  +--ro port-role?                    enumeration
|     |  +--ro port-mode?                    enumeration
|     |  +--ro ifHCInOctets?                 yang:counter64
|     |  +--ro ifHCInUcastPkts?              yang:counter64
|     |  +--ro ifHCInMulticastPkts?          yang:counter64
|     |  +--ro ifHCInBroadcastPkts?          yang:counter64
|     |  +--ro ifHCInErrors?                 yang:counter64
|     |  +--ro ifHCOutOctets?                yang:counter64
|     |  +--ro ifHCOutUcastPkts?             yang:counter64
|     |  +--ro ifHCOutMulticastPkts?         yang:counter64
|     |  +--ro ifHCOutBroadcastPkts?         yang:counter64
|     |  +--ro ifHCOutErrors?                yang:counter64
|     +--ro has-more?    boolean
+---x get-media-detail
   +---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
```

extreme-intf-loopback

Provides a data model for managing the interface loopback feature.

Top-level container

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

External augmentations

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

History

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

extreme-ip-access-list

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

Top-level container

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

extreme-ip-administration

Provides a data model for configuring the domain name server.

External augmentations

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

History

Release version	History
7.0.0	This YANG module was introduced.

extreme-ip-config

Provides a data model for managing Layer 3 interfaces.

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

External augmentations

```
module: extreme-interface
   +--rw interface
      +--rw gigabitethernet [name]
      |  |  +--rw ip
      |  |  |  +--rw ip-config:ip-config /*drop-node-name*/
      |  |  |  |  +--rw ip-config:mtu?                    uint32
      |  |  |  |  +--rw ip-config:directed-broadcast?    empty
      |  |  |  |  +--rw ip-config:proxy-arp?             empty
      |  |  |  |  +--rw ip-config:arp
      |  |  |  |  |  +--rw ip-config:learn-any?   empty
      |  |  |  |  +--rw ip-config:arp-aging-timeout?    uint32
      |  |  |  |  +--rw ip-config:address [address]
      |  |  |  |  |  +--rw ip-config:address          union
      |  |  |  |  |  +--rw ip-config:secondary?       empty
      |  |  |  |  |  +--rw ip-config:ospf-passive?    empty
      |  |  |  |  |  +--rw ip-config:ospf-ignore?     empty
      |  |  |  |  +--rw ip-config:unnumbered
      |  |  |  |     +--rw ip-config:ip-donor-interface-type?   ip-unnumbered-donor-interface-type_t  /
*drop-node-name*/
      |  |  |  |     +--rw ip-config:ip-donor-interface-name?   ip-unnumbered-donor-interface-name_t  /
*drop-node-name*/


module: extreme-interface
   +--rw interface
      +--rw tengigabitethernet [name]
      |  |  +--rw ip
      |  |  |  +--rw ip-config:ip-config  /*drop-node-name*/
      |  |  |  |  +--rw ip-config:mtu?                    uint32
      |  |  |  |  +--rw ip-config:directed-broadcast?    empty
      |  |  |  |  +--rw ip-config:proxy-arp?             empty
      |  |  |  |  +--rw ip-config:arp
      |  |  |  |  |  +--rw ip-config:learn-any?   empty
      |  |  |  |  +--rw ip-config:arp-aging-timeout?    uint32
      |  |  |  |  +--rw ip-config:address [address]
      |  |  |  |     +--rw ip-config:address          union
      |  |  |  |     +--rw ip-config:secondary?       empty
      |  |  |  |     +--rw ip-config:ospf-passive?    empty
      |  |  |  |     +--rw ip-config:ospf-ignore?     empty
      |  |  |  +--rw ip-config:unnumbered
      |  |  |  |     +--rw ip-config:ip-donor-interface-type?   ip-unnumbered-donor-interface-type_t  /
*drop-node-name*/
      |  |  |  |     +--rw ip-config:ip-donor-interface-name?   ip-unnumbered-donor-interface-name_t  /
*drop-node-name*/


module: extreme-interface
   +--rw interface
      +--rw fortygigabitethernet [name]
      |  |  +--rw ip
      |  |  |  +--rw ip-config:ip-config  /*drop-node-name*/
      |  |  |  |  +--rw ip-config:mtu?                    uint32
      |  |  |  |  +--rw ip-config:directed-broadcast?    empty
      |  |  |  |  +--rw ip-config:proxy-arp?             empty
      |  |  |  |  +--rw ip-config:arp
      |  |  |  |  |  +--rw ip-config:learn-any?   empty
      |  |  |  |  +--rw ip-config:arp-aging-timeout?    uint32
      |  |  |  |  +--rw ip-config:address [address]
      |  |  |  |     +--rw ip-config:address          union
```

```
      |  |  |  |      +--rw ip-config:secondary?      empty
      |  |  |  |      +--rw ip-config:ospf-passive?    empty
      |  |  |  |      +--rw ip-config:ospf-ignore?     empty
      |  |  |  |  +--rw ip-config:unnumbered
      |  |  |  |      +--rw ip-config:ip-donor-interface-type?   ip-unnumbered-donor-interface-type_t  /
*drop-node-name*/
      |  |  |  |      +--rw ip-config:ip-donor-interface-name?   ip-unnumbered-donor-interface-name_t  /
*drop-node-name*/


module: extreme-interface
   +--rw interface
      +--rw hundredgigabitethernet [name]
      |  |  +--rw ip
      |  |  |  +--rw ip-config:ip-config  /*drop-node-name*/
      |  |  |  |  +--rw ip-config:mtu?                    uint32
      |  |  |  |  +--rw ip-config:directed-broadcast?    empty
      |  |  |  |  +--rw ip-config:proxy-arp?             empty
      |  |  |  |  +--rw ip-config:arp
      |  |  |  |  |  +--rw ip-config:learn-any?   empty
      |  |  |  |  +--rw ip-config:arp-aging-timeout?    uint32
      |  |  |  |  +--rw ip-config:address [address]
      |  |  |  |      +--rw ip-config:address          union
      |  |  |  |      +--rw ip-config:secondary?       empty
      |  |  |  |      +--rw ip-config:ospf-passive?    empty
      |  |  |  |      +--rw ip-config:ospf-ignore?     empty
      |  |  |  |  +--rw ip-config:unnumbered
      |  |  |  |      +--rw ip-config:ip-donor-interface-type?   ip-unnumbered-donor-interface-type_t  /
*drop-node-name*/
      |  |  |  |      +--rw ip-config:ip-donor-interface-name?   ip-unnumbered-donor-interface-name_t  /
*drop-node-name*/


module: extreme-interface
   +--rw interface
   |  +--rw port-channel [name]
   |  |  +--rw ip
   |  |  |  +--rw ip-config:ip-config  /*drop-node-name*/
   |  |  |  |  +--rw ip-config:mtu?                    uint32
   |  |  |  |  +--rw ip-config:directed-broadcast?    empty
   |  |  |  |  +--rw ip-config:proxy-arp?             empty
   |  |  |  |  +--rw ip-config:arp
   |  |  |  |  |  +--rw ip-config:learn-any?   empty
   |  |  |  |  +--rw ip-config:arp-aging-timeout?    uint32
   |  |  |  |  +--rw ip-config:address [address]
   |  |  |  |  |  +--rw ip-config:address          union
   |  |  |  |  |  +--rw ip-config:secondary?       empty
   |  |  |  |  |  +--rw ip-config:ospf-passive?    empty
   |  |  |  |  |  +--rw ip-config:ospf-ignore?     empty
   |  |  |  |  +--rw ip-config:unnumbered
   |  |  |  |      +--rw ip-config:ip-donor-interface-type?   ip-unnumbered-donor-interface-type_t  /
*drop-node-name*/
   |  |  |  |      +--rw ip-config:ip-donor-interface-name?   ip-unnumbered-donor-interface-name_t  /
*drop-node-name*/


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


module: extreme-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw rbridge-id                            uint32
      +--ro extreme-interface:interface
      |  +--ro extreme-interface:ve [name]
      |  |  +--ro ip-config:vrf
```

```
        |  |  |  +--ro ip-config:forwarding?   common-def:vrf-name
        |  |  +--ro ip-config:ip
        |  |  |  +--ro ip-config:ip-config  /*drop-node-name*/
        |  |  |  |  +--ro ip-config:mtu?                 uint32
        |  |  |  |  +--ro ip-config:directed-broadcast?   empty
        |  |  |  |  +--ro ip-config:arp
        |  |  |  |  |  +--ro ip-config:learn-any?   empty
        |  |  |  |  +--ro ip-config:proxy-arp?            empty
        |  |  |  |  +--ro ip-config:arp-aging-timeout?    uint32
        |  |  |  |  +--ro ip-config:address [address]
        |  |  |  |     +--ro ip-config:address        union
        |  |  |  |     +--ro ip-config:secondary?     empty
        |  |  |  |     +--ro ip-config:ospf-passive?  empty
        |  |  |  |     +--ro ip-config:ospf-ignore?   empty


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


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

History

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

7.0.0	This YANG module was modified to include the following:
	• Container *arp* containing leaf *learn-any* was added under container *ip-config* in augment to the following:
	  – /interface:interface/interface:gigabitethernet/interface:ip.
	  – /interface:interface/interface:tengigabitethernet/interface:ip.
	  – /interface:interface/interface:fortygigabitethernet/interface:ip.
	  – /interface:interface/interface:hundredgigabitethernet/interface:ip.
	  – /interface:interface/interface:port-channel/interface:ip.
	  – /rbridge:rbridge-id/interface:interface/interface:ve.
	• Container *unnumbered* containing leaves *ip-donor-interface-type* and *ip-donor-interface-name* were added in augment to the following:
	  – /interface:interface/interface:gigabitethernet/interface:ip.
	  – /interface:interface/interface:tengigabitethernet/interface:ip.
	  – /interface:interface/interface:fortygigabitethernet/interface:ip.
	  – /interface:interface/interface:hundredgigabitethernet/interface:ip.
	  – /interface:interface/interface:port-channel/interface:ip.

extreme-ip-forward

This management module is an instrumentation for the management of CIDR multipath IP Routes. Multipath IP routes have the same network number but differing network masks.

External augmentations

```
No node found
```

extreme-ip-policy

Provides a data model for managing IP route policies.

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

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

Top-level container

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

extreme-ipv6-access-list

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

Top-level container

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

```
+--rw log?                    empty
+--rw mirror?                 empty
+--rw copy-sflow?             empty
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Container *access-group* containing leaves *ipv6-access-list* and *ipv6-direction* were added in augment to extreme-rbridge -> *receive* (container).
7.1.0	This YANG module was modified to include the following: • Added leaf *copy-sflow* under container *access-list*. • Added leaves: *dscp*, *drop-precedence-force* , *mirror* and *copy-sflow* under container *extended*.

extreme-ipv6-config

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

External augmentations

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


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


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


module: extreme-interface
  +--rw interface
```

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


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


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


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

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


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

History

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

extreme-ipv6-nd-ra

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

External augmentations

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


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

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


module: extreme-interface
   +--rw interface
   |  +--rw gigabitethernet [name]
   |  |  +--rw ipv6
   |  |  |  +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
   |  |  |  |  +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
   |  |  |  |     +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?   empty
   |  |  |  |     +--rw ipv6-nd-ra:nd
   |  |  |  |     |  +--rw ipv6-nd-ra:managed-config-flag?   empty
   |  |  |  |     |  +--rw ipv6-nd-ra:other-config-flag?     empty
   |  |  |  |     |  +--rw ipv6-nd-ra:broadcast-mac-trap?    empty
   |  |  |  |     |  +--rw ipv6-nd-ra:ra-lifetime?           common-def:time-interval-sec
   |  |  |  |     |  +--rw ipv6-nd-ra:reachable-time?        common-def:time-interval-msec
   |  |  |  |     |  +--rw ipv6-nd-ra:mtu?                   uint32
   |  |  |  |     |  +--rw ipv6-nd-ra:retrans-timer?         common-def:time-interval-msec
   |  |  |  |     |  +--rw ipv6-nd-ra:hoplimit?              uint32
   |  |  |  |     |  +--rw ipv6-nd-ra:ns-interval?           common-def:time-interval-sec
   |  |  |  |     |  +--rw ipv6-nd-ra:suppress-ra
   |  |  |  |     |  |  +--rw ipv6-nd-ra:suppress-ra-flag?   empty /*drop-node-name*/
   |  |  |  |     |  |  +--rw ipv6-nd-ra:suppress-ra-mtu?    empty /*alt-name:mtu*/
   |  |  |  |     |  |  +--rw ipv6-nd-ra:suppress-ra-all?    empty /*alt-name:all*/
   |  |  |  |     |  +--rw ipv6-nd-ra:ra-interval
   |  |  |  |     |  |  +--rw ipv6-nd-ra:max-interval?   common-def:time-interval-sec /*drop-node-name*/
   |  |  |  |     |  |  +--rw ipv6-nd-ra:min?            common-def:time-interval-sec
   |  |  |  |     |  +--rw ipv6-nd-ra:dad
   |  |  |  |     |  |  +--rw ipv6-nd-ra:attempts?   int32
   |  |  |  |     |  |  +--rw ipv6-nd-ra:time?       common-def:time-interval-sec
   |  |  |  |     |  +--rw ipv6-nd-ra:cache
   |  |  |  |     |  |  +--rw ipv6-nd-ra:expire?   common-def:time-interval-sec
   |  |  |  |     |  |  +--rw ipv6-nd-ra:refresh?   empty
   |  |  |  |     |  +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
   |  |  |  |     |     +--rw ipv6-nd-ra:prefix-ipv6-address    inet:ipv6-prefix
   |  |  |  |     +--rw ipv6-nd-ra:neighbor [ipv6-address]
   |  |  |  |        +--rw ipv6-nd-ra:ipv6-address        neighbor-ipv6-address /*drop-node-name*/
   |  |  |  |        +--rw ipv6-nd-ra:hardware-address?   macAddr /*drop-node-name*/


module: extreme-interface
   +--rw interface
   |  +--rw tengigabitethernet [name]
   |  |  +--rw ipv6
   |  |  |  +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
   |  |  |  |  +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
   |  |  |  |     +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?   empty
   |  |  |  |     +--rw ipv6-nd-ra:nd
   |  |  |  |     |  +--rw ipv6-nd-ra:managed-config-flag?   empty
   |  |  |  |     |  +--rw ipv6-nd-ra:other-config-flag?     empty
   |  |  |  |     |  +--rw ipv6-nd-ra:broadcast-mac-trap?    empty
   |  |  |  |     |  +--rw ipv6-nd-ra:ra-lifetime?           common-def:time-interval-sec
   |  |  |  |     |  +--rw ipv6-nd-ra:reachable-time?        common-def:time-interval-msec
   |  |  |  |     |  +--rw ipv6-nd-ra:mtu?                   uint32
   |  |  |  |     |  +--rw ipv6-nd-ra:retrans-timer?         common-def:time-interval-msec
   |  |  |  |     |  +--rw ipv6-nd-ra:hoplimit?              uint32
   |  |  |  |     |  +--rw ipv6-nd-ra:ns-interval?           common-def:time-interval-sec
   |  |  |  |     |  +--rw ipv6-nd-ra:suppress-ra
   |  |  |  |     |  |  +--rw ipv6-nd-ra:suppress-ra-flag?   empty /*drop-node-name*/
   |  |  |  |     |  |  +--rw ipv6-nd-ra:suppress-ra-mtu?    empty /*alt-name:mtu*/
   |  |  |  |     |  |  +--rw ipv6-nd-ra:suppress-ra-all?    empty /*alt-name:all*/
   |  |  |  |     |  +--rw ipv6-nd-ra:ra-interval
```

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


module: extreme-interface
   +--rw interface
   | +--rw fortygigabitethernet [name]
   | | +--rw ipv6
   | | | +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
   | | | | +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
   | | | |    +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?   empty
   | | | |    +--rw ipv6-nd-ra:nd
   | | | |    | +--rw ipv6-nd-ra:managed-config-flag?   empty
   | | | |    | +--rw ipv6-nd-ra:other-config-flag?     empty
   | | | |    | +--rw ipv6-nd-ra:broadcast-mac-trap?    empty
   | | | |    | +--rw ipv6-nd-ra:ra-lifetime?           common-def:time-interval-sec
   | | | |    | +--rw ipv6-nd-ra:reachable-time?        common-def:time-interval-msec
   | | | |    | +--rw ipv6-nd-ra:mtu?                   uint32
   | | | |    | +--rw ipv6-nd-ra:retrans-timer?         common-def:time-interval-msec
   | | | |    | +--rw ipv6-nd-ra:hoplimit?              uint32
   | | | |    | +--rw ipv6-nd-ra:ns-interval?           common-def:time-interval-sec
   | | | |    | +--rw ipv6-nd-ra:suppress-ra
   | | | |    | | +--rw ipv6-nd-ra:suppress-ra-flag?   empty /*drop-node-name*/
   | | | |    | | +--rw ipv6-nd-ra:suppress-ra-mtu?    empty /*alt-name:mtu*/
   | | | |    | | +--rw ipv6-nd-ra:suppress-ra-all?    empty /*alt-name:all*/
   | | | |    | +--rw ipv6-nd-ra:ra-interval
   | | | |    | | +--rw ipv6-nd-ra:max-interval?   common-def:time-interval-sec /*drop-node-name*/
   | | | |    | | +--rw ipv6-nd-ra:min?           common-def:time-interval-sec
   | | | |    | +--rw ipv6-nd-ra:dad
   | | | |    | | +--rw ipv6-nd-ra:attempts?   int32
   | | | |    | | +--rw ipv6-nd-ra:time?       common-def:time-interval-sec
   | | | |    | +--rw ipv6-nd-ra:cache
   | | | |    | | +--rw ipv6-nd-ra:expire?   common-def:time-interval-sec
   | | | |    | | +--rw ipv6-nd-ra:refresh?   empty
   | | | |    | +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
   | | | |    |   +--rw ipv6-nd-ra:prefix-ipv6-address    inet:ipv6-prefix
   | | | |    +--rw ipv6-nd-ra:neighbor [ipv6-address]
   | | | |        +--rw ipv6-nd-ra:ipv6-address        neighbor-ipv6-address /*drop-node-name*/
   | | | |        +--rw ipv6-nd-ra:hardware-address?   macAddr /*drop-node-name*/


module: extreme-interface
   +--rw interface
   | +--rw hundredgigabitethernet [name]
   | | +--rw ipv6
   | | | +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
   | | | | +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
   | | | |    +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?   empty
   | | | |    +--rw ipv6-nd-ra:nd
   | | | |    | +--rw ipv6-nd-ra:managed-config-flag?   empty
   | | | |    | +--rw ipv6-nd-ra:other-config-flag?     empty
   | | | |    | +--rw ipv6-nd-ra:broadcast-mac-trap?    empty
   | | | |    | +--rw ipv6-nd-ra:ra-lifetime?           common-def:time-interval-sec
   | | | |    | +--rw ipv6-nd-ra:reachable-time?        common-def:time-interval-msec
   | | | |    | +--rw ipv6-nd-ra:mtu?                   uint32
   | | | |    | +--rw ipv6-nd-ra:retrans-timer?         common-def:time-interval-msec
   | | | |    | +--rw ipv6-nd-ra:hoplimit?              uint32
   | | | |    | +--rw ipv6-nd-ra:ns-interval?           common-def:time-interval-sec
   | | | |    | +--rw ipv6-nd-ra:suppress-ra
   | | | |    | | +--rw ipv6-nd-ra:suppress-ra-flag?   empty /*drop-node-name*/
   | | | |    | | +--rw ipv6-nd-ra:suppress-ra-mtu?    empty /*alt-name:mtu*/
```

```
|  |  |  |           |  | +--rw ipv6-nd-ra:suppress-ra-all?    empty /*alt-name:all*/
|  |  |  |           +--rw ipv6-nd-ra:ra-interval
|  |  |  |           |  +--rw ipv6-nd-ra:max-interval?   common-def:time-interval-sec /*drop-node-name*/
|  |  |  |           |  +--rw ipv6-nd-ra:min?            common-def:time-interval-sec
|  |  |  |           +--rw ipv6-nd-ra:dad
|  |  |  |           |  +--rw ipv6-nd-ra:attempts?   uint32
|  |  |  |           |  +--rw ipv6-nd-ra:time?       common-def:time-interval-sec
|  |  |  |           +--rw ipv6-nd-ra:cache
|  |  |  |           |  +--rw ipv6-nd-ra:expire?   common-def:time-interval-sec
|  |  |  |           +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
|  |  |  |              +--rw ipv6-nd-ra:prefix-ipv6-address    inet:ipv6-prefix
|  |  |  |              +--rw ipv6-nd-ra:lifetime /*drop-node-name*/
|  |  |  |                 +--rw (ch-valid-type)?
|  |  |  |                 |  +--:(ca-no-advertise)
|  |  |  |                 |  |  +--rw ipv6-nd-ra:no-advertise?     empty
|  |  |  |                 |  +--:(ca-valid-lifetime)
|  |  |  |                 |  |  +--rw ipv6-nd-ra:valid-lifetime?   common-def:time-interval-sec /*drop-
node-name*/
|  |  |  |                 |  +--:(ca-valid-infinite)
|  |  |  |                 |     +--rw ipv6-nd-ra:valid-infinite?   empty /*alt-name:infinite*/
|  |  |  |              +--rw ipv6-nd-ra:preferred /*drop-node-name*/
|  |  |  |                 +--rw (ch-preferred-type)?
|  |  |  |                 |  +--:(ca-preferred-lifetime)
|  |  |  |                 |  |  +--rw ipv6-nd-ra:preferred-lifetime?   common-def:time-interval-
sec /*drop-node-name*/
|  |  |  |                 |  +--:(ca-preferred-infinite)
|  |  |  |                 |     +--rw ipv6-nd-ra:preferred-infinite?   empty
|  |  |  |              +--rw ipv6-nd-ra:prefix-flags /*drop-node-name*/
|  |  |  |                 +--rw ipv6-nd-ra:no-autoconfig?   empty
|  |  |  |                 +--rw ipv6-nd-ra:no-onlink?       empty
|  |  |  |                 +--rw ipv6-nd-ra:off-link?        empty
|  |  |  +--rw ipv6-nd-ra:neighbor [ipv6-address]
|  |  |     +--rw ipv6-nd-ra:ipv6-address         neighbor-ipv6-address /*drop-node-name*/
|  |  |     +--rw ipv6-nd-ra:hardware-address?    macAddr /*drop-node-name*/


module: extreme-interface
  +--rw interface
  |  +--rw port-channel [name]
  |  |  +--rw ipv6
  |  |  |  +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
  |  |  |  |  +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
  |  |  |  |     +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?    empty
  |  |  |  |     +--rw ipv6-nd-ra:nd
  |  |  |  |     |  +--rw ipv6-nd-ra:managed-config-flag?    empty
  |  |  |  |     |  +--rw ipv6-nd-ra:other-config-flag?      empty
  |  |  |  |     |  +--rw ipv6-nd-ra:broadcast-mac-trap?     empty
  |  |  |  |     |  +--rw ipv6-nd-ra:ra-lifetime?            common-def:time-interval-sec
  |  |  |  |     |  +--rw ipv6-nd-ra:reachable-time?         common-def:time-interval-msec
  |  |  |  |     |  +--rw ipv6-nd-ra:mtu?                    uint32
  |  |  |  |     |  +--rw ipv6-nd-ra:retrans-timer?          common-def:time-interval-msec
  |  |  |  |     |  +--rw ipv6-nd-ra:hoplimit?               uint32
  |  |  |  |     |  +--rw ipv6-nd-ra:ns-interval?            common-def:time-interval-sec
  |  |  |  |     |  +--rw ipv6-nd-ra:proxy?                  empty
  |  |  |  |     +--rw ipv6-nd-ra:suppress-ra
  |  |  |  |     |  +--rw ipv6-nd-ra:suppress-ra-flag?   empty /*drop-node-name*/
  |  |  |  |     |  +--rw ipv6-nd-ra:suppress-ra-mtu?    empty /*alt-name mtu*/
  |  |  |  |     |  +--rw ipv6-nd-ra:suppress-ra-all?    empty /*alt-name all*/
  |  |  |  |     +--rw ipv6-nd-ra:ra-interval
  |  |  |  |     |  +--rw ipv6-nd-ra:max-interval?   common-def:time-interval-sec /*drop-node-name*/
  |  |  |  |     |  +--rw ipv6-nd-ra:min?            common-def:time-interval-sec
  |  |  |  |     +--rw ipv6-nd-ra:dad
  |  |  |  |     |  +--rw ipv6-nd-ra:attempts?   uint32
  |  |  |  |     |  +--rw ipv6-nd-ra:time?       common-def:time-interval-sec
  |  |  |  |     +--rw ipv6-nd-ra:nud
  |  |  |  |     |  +--rw ipv6-nd-ra:retry
  |  |  |  |     |     +--rw ipv6-nd-ra:base?           int32 /*drop-node-name*/
  |  |  |  |     |     +--rw ipv6-nd-ra:interval?       common-def:time-interval-msec /*drop-node-
name*/
  |  |  |  |     |     +--rw ipv6-nd-ra:max-attempts?   int32 /*drop-node-name*/
  |  |  |  |     +--rw ipv6-nd-ra:cache
  |  |  |  |     |  +--rw ipv6-nd-ra:expire?   common-def:time-interval-sec
```

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


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


module: extreme-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw extreme-interface:interface
      | +--rw extreme-interface:ve [name]
      | | +--rw ipv6-config:ipv6
      | | | +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
      | | | | +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
      | | | |    +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?   empty
      | | | |    +--rw ipv6-nd-ra:nd
      | | | |    | +--rw ipv6-nd-ra:managed-config-flag?   empty
      | | | |    | +--rw ipv6-nd-ra:other-config-flag?     empty
      | | | |    | +--rw ipv6-nd-ra:ra-lifetime?           common-def:time-interval-sec
      | | | |    | +--rw ipv6-nd-ra:reachable-time?        common-def:time-interval-msec
      | | | |    | +--rw ipv6-nd-ra:mtu?                   uint32
      | | | |    | +--rw ipv6-nd-ra:retrans-timer?         common-def:time-interval-msec
      | | | |    | +--rw ipv6-nd-ra:hoplimit?              uint32
      | | | |    | +--rw ipv6-nd-ra:ns-interval?           common-def:time-interval-sec
      | | | |    | +--rw ipv6-nd-ra:suppress-ra
      | | | |    | | +--rw ipv6-nd-ra:suppress-ra-flag?   empty /*drop-node-name*/
      | | | |    | | +--rw ipv6-nd-ra:suppress-ra-mtu?    empty /*alt-name:mtu*/
      | | | |    | | +--rw ipv6-nd-ra:suppress-ra-all?    empty /*alt-name:all*/
      | | | |    | +--rw ipv6-nd-ra:ra-interval
      | | | |    | | +--rw ipv6-nd-ra:max-interval?   common-def:time-interval-sec /*drop-node-
name*/
      | | | |    | | +--rw ipv6-nd-ra:min?            common-def:time-interval-sec
      | | | |    | +--rw ipv6-nd-ra:dad
      | | | |    | | +--rw ipv6-nd-ra:attempts?   int32
      | | | |    | | +--rw ipv6-nd-ra:time?       common-def:time-interval-sec
      | | | |    | +--rw ipv6-nd-ra:cache
      | | | |    | | +--rw ipv6-nd-ra:expire?   common-def:time-interval-minute
      | | | |    | | +--rw ipv6-nd-ra:refresh?   empty
      | | | |    | +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
      | | | |    |   +--rw ipv6-nd-ra:prefix-ipv6-address    inet:ipv6-prefix
      | | | |   +--rw ipv6-nd-ra:neighbor [ipv6-address]
      | | | |      +--rw ipv6-nd-ra:ipv6-address        neighbor-ipv6-address /*drop-node-name*/
      | | | |      +--rw ipv6-nd-ra:hardware-address?   macAddr /*drop-node-name*/
```

```
module: extreme-rbridge
  +--rw rbridge-id [rbridge-id]
     +--rw extreme-interface:interface
     |  +--rw intf-loopback:loopback [id]
     |     +--rw ipv6-config:ipv6
     |        +--rw ipv6-nd-ra:ipv6-nd-ra /*drop-node-name*/
     |        |  +--rw ipv6-nd-ra:ipv6-intf-cmds /*drop-node-name*/
     |        |     +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?   empty
     |        |     +--rw ipv6-nd-ra:nd
     |        |     |  +--rw ipv6-nd-ra:managed-config-flag?   empty
     |        |     |  +--rw ipv6-nd-ra:other-config-flag?     empty
     |        |     |  +--rw ipv6-nd-ra:ra-lifetime?           common-def:time-interval-sec
     |        |     |  +--rw ipv6-nd-ra:reachable-time?        common-def:time-interval-msec
     |        |     |  +--rw ipv6-nd-ra:mtu?                   uint32
     |        |     |  +--rw ipv6-nd-ra:retrans-timer?         common-def:time-interval-msec
     |        |     |  +--rw ipv6-nd-ra:hoplimit?              uint32
     |        |     |  +--rw ipv6-nd-ra:ns-interval?           common-def:time-interval-sec
     |        |     |  +--rw ipv6-nd-ra:suppress-ra
     |        |     |  |  +--rw ipv6-nd-ra:suppress-ra-flag?   empty /*drop-node-name*/
     |        |     |  |  +--rw ipv6-nd-ra:suppress-ra-mtu?    empty /*alt-name:mtu*/
     |        |     |  |  +--rw ipv6-nd-ra:suppress-ra-all?    empty /*alt-name:all*/
     |        |     |  +--rw ipv6-nd-ra:ra-interval
     |        |     |  |  +--rw ipv6-nd-ra:max-interval?  common-def:time-interval-sec /*drop-node-
name*/
     |        |     |  |  +--rw ipv6-nd-ra:min?               common-def:time-interval-sec
     |        |     |  +--rw ipv6-nd-ra:dad
     |        |     |  |  +--rw ipv6-nd-ra:attempts?   int32
     |        |     |  |  +--rw ipv6-nd-ra:time?       common-def:time-interval-sec
     |        |     |  +--rw ipv6-nd-ra:cache
     |        |     |  |  +--rw ipv6-nd-ra:expire?    common-def:time-interval-minute
     |        |     |  |  +--rw ipv6-nd-ra:refresh?   empty
     |        |     |  +--rw ipv6-nd-ra:prefix [prefix-ipv6-address]
     |        |     |     +--rw ipv6-nd-ra:prefix-ipv6-address     inet:ipv6-prefix
     |        |     +--rw ipv6-nd-ra:neighbor [ipv6-address]
     |        |        +--rw ipv6-nd-ra:ipv6-address            neighbor-ipv6-address /*drop-node-name*/
     |        |        +--rw ipv6-nd-ra:hardware-address?   macAddr /*drop-node-name*/
```

History

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

extreme-ipv6-rtm

Provides a data model to manage IP routes.

External augmentations

```
module: extreme-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw ipv6
      |  +--rw ipv6-route:route
      |     +--rw ipv6-route:static-route-nh [static-route-dest static-route-next-hop] /*drop-node-
name*/
      |     |  +--rw ipv6-route:static-route-dest        inet:ipv6-prefix
      |     |  +--rw ipv6-route:static-route-next-hop    inet:ipv6-address /*drop-node-name*/
      |     |  +--rw ipv6-route:route-attributes /*drop-node-name*/
      |     |     +--rw ipv6-route:metric?     uint32 /*drop-node-name*/
      |     |     +--rw ipv6-route:distance?   uint32
      |     |     +--rw ipv6-route:tag?        uint32
      |     +--rw ipv6-route:static-route-oif [static-route-dest static-route-oif-type static-route-oif-
name] /*drop-node-name*/
      |     |  +--rw ipv6-route:static-route-dest        inet:ipv6-prefix
      |     |  +--rw ipv6-route:static-route-oif-type    enumeration
      |     |  +--rw ipv6-route:static-route-oif-name    string /*alt-name:InterfaceNumber*/
      |     |  +--rw ipv6-route:route-attributes /*drop-node-name*/
      |     |     +--rw ipv6-route:metric?     uint32 /*drop-node-name*/
      |     |     +--rw ipv6-route:distance?   uint32
      |     |     +--rw ipv6-route:tag?        uint32
      |     +--rw ipv6-route:link-local-static-route-nh [link-local-static-route-dest link-local-
nexthop link-local-route-oif-type link-local-route-oif-name] /*drop-node-name*/
      |  |  |  +--rw ipv6-route:link-local-static-route-dest    inet:ipv6-prefix
      |  |  |  +--rw ipv6-route:link-local-nexthop              inet:ipv6-address
      |  |  |  +--rw ipv6-route:link-local-route-oif-type       enumeration
      |  |  |  +--rw ipv6-route:link-local-route-oif-name       string /*alt-name:linklocalinterface*/
      |  |  |  +--rw ipv6-route:route-attributes /*drop-node-name*/
      |  |  |     +--rw ipv6-route:metric?     uint32 /*drop-node-name*/
      |  |  |     +--rw ipv6-route:distance?   uint32
      |  |  |     +--rw ipv6-route:tag?        uint32
      |  |  +--rw ipv6-route:static-route-nh-vrf [static-route-next-vrf-dest next-hop-vrf static-route-
next-hop] /*drop-node-name*/
      |  |  |  +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
      |  |  |  +--rw ipv6-route:next-hop-vrf                  string
      |  |  |  +--rw ipv6-route:static-route-next-hop         inet:ipv6-address /*drop-node-name*/
      |  |  +--rw ipv6-route:link-local-static-route-nh-vrf [static-route-next-vrf-dest next-hop-vrf
link-local-next-hop link-local-route-oif-type link-local-route-oif-name] /*drop-node-name*/
      |  |  |  +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
      |  |  |  +--rw ipv6-route:next-hop-vrf                  string
      |  |  |  +--rw ipv6-route:link-local-next-hop           inet:ipv6-address /*drop-node-name*/
      |  |  |  +--rw ipv6-route:link-local-route-oif-type     enumeration
      |  |  |  +--rw ipv6-route:link-local-route-oif-name     string /*alt-name:linklocalinterface*/
      |  |  +--rw ipv6-route:ipv6-static-route-oif-vrf [static-route-next-vrf-dest next-hop-vrf static-
route-oif-type static-route-oif-name] /*drop-node-name*/
      |  |  |  +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
      |  |  |  +--rw ipv6-route:next-hop-vrf                  string
      |  |  |  +--rw ipv6-route:static-route-oif-type         enumeration
      |  |  |  +--rw ipv6-route:static-route-oif-name         string /*alt-name:InterfaceNumber*/
      |  |  +--rw ipv6-route:static
      |  |     +--rw ipv6-route:bfd
      |  |        +--rw ipv6-route:bfd-ipv6-static-route [bfd-ipv6-static-route-dest bfd-ipv6-static-
route-src] /*drop-node-name*/
      |  |        |  +--rw ipv6-route:bfd-ipv6-static-route-dest        inet:ipv6-address
      |  |        |  +--rw ipv6-route:bfd-ipv6-static-route-src         inet:ipv6-address
      |  |        |  +--rw ipv6-route:bfd-ipv6-interval-attributes /*drop-node-name*/
      |  |        |     +--rw ipv6-route:interval?     uint16
      |  |        |     +--rw ipv6-route:min-rx?       uint16
      |  |        |     +--rw ipv6-route:multiplier?   uint8
      |  |        +--rw ipv6-route:bfd-ipv6-link-local-static-route [bfd-ipv6-link-local-dest bfd-ipv6-
link-local-src bfd-interface-type bfd-interface-name] /*drop-node-name*/
      |  |        |  +--rw ipv6-route:bfd-ipv6-link-local-dest          inet:ipv6-address
```

```
    |  |          |   +--rw ipv6-route:bfd-ipv6-link-local-src           inet:ipv6-address /*drop-node-
name*/
    |  |          |   +--rw ipv6-route:bfd-interface-type              enumeration
    |  |          |   +--rw ipv6-route:bfd-interface-name              string
    |  |          |   +--rw ipv6-route:bfd-ipv6-interval-attributes /*drop-node-name*/
    |  |          |      +--rw ipv6-route:interval?     uint16
    |  |          |      +--rw ipv6-route:min-rx?       uint16
    |  |          |      +--rw ipv6-route:multiplier?   uint8
    |  |          +--rw ipv6-route:ipv6-holdover-interval?              uint8 /*alt-name:holdover-
interval*/
    |  +--rw ipv6-route:import
    |  |  +--rw ipv6-route:routes [src-vrf route-map]
    |  |     +--rw ipv6-route:src-vrf    common-def:vrf-name
    |  |     +--rw ipv6-route:route-map       common-def:name-string63


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

```
  |  |              |  |  +--rw ipv6-route:static-route-oif-type       enumeration
  |  |              |  |  +--rw ipv6-route:static-route-oif-name       string /*alt-
name:InterfaceNumber*/
  |  |              |  +--rw ipv6-route:static
  |  |              |     +--rw ipv6-route:bfd
  |  |              |        +--rw ipv6-route:bfd-ipv6-static-route [bfd-ipv6-static-route-dest bfd-
ipv6-static-route-src] /*drop-node-name*/
  |  |              |           |  +--rw ipv6-route:bfd-ipv6-static-route-dest    inet:ipv6-address
  |  |              |           |  +--rw ipv6-route:bfd-ipv6-static-route-src     inet:ipv6-address
  |  |              |           |  +--rw ipv6-route:bfd-ipv6-interval-attributes /*drop-node-name*/
  |  |              |           |     +--rw ipv6-route:interval?    uint16
  |  |              |           |     +--rw ipv6-route:min-rx?      uint16
  |  |              |           |     +--rw ipv6-route:multiplier?  uint8
  |  |              |        +--rw ipv6-route:bfd-ipv6-link-local-static-route [bfd-ipv6-link-local-
dest bfd-ipv6-link-local-src bfd-interface-type bfd-interface-name] /*drop-node-name*/
  |  |              |           +--rw ipv6-route:bfd-ipv6-link-local-dest    inet:ipv6-address
  |  |              |           +--rw ipv6-route:bfd-ipv6-link-local-src     inet:ipv6-address /
*drop-node-name*/
  |  |              |           +--rw ipv6-route:bfd-interface-type       enumeration
  |  |              |           +--rw ipv6-route:bfd-interface-name       string
  |  |              |           +--rw ipv6-route:bfd-ipv6-interval-attributes /*drop-node-name*/
  |  |              |              +--rw ipv6-route:interval?    uint16
  |  |              |              +--rw ipv6-route:min-rx?      uint16
  |  |              |              +--rw ipv6-route:multiplier?  uint8
  |  |        +--rw ipv6-route:import
  |  |           +--rw ipv6-route:routes [src-vrf route-map]
  |  |              +--rw ipv6-route:src-vrf    common-def:vrf-name
  |  |              +--rw ipv6-route:route-map common-def:name-string63
```

History

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

extreme-lacp

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

Top-level container

```
module: extreme-lacp
    +--rw lacp
    |  +--rw system-priority?   uint32
    +--rw vlag-commit-mode
       +--rw disable?   empty
```

External augmentations

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

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

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

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

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Container *vlag-commit-mode* containing leaf *disable* was added with extreme-lacp module.

extreme-lag

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

Top-level container

```
module: extreme-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
```

extreme-license

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

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

Top-level container

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

External augmentations

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

Actions

Install license keys:

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

Uninstall license keys:

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

Display license ID information:

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

```
    |  |             +--ro extreme-license:licenseid-rbridge-id     common-def:rbridge-id-type
    |  |             +--ro extreme-license:license-id?              string
```

Display the license key information:

```
module: extreme-common-def
   +--rw show
   |  +--rw extreme-license:enh-show-license-keys /*drop-node-name*/
   |  |  +--ro extreme-license:license
   |  |  |  +--ro extreme-license:input
   |  |  |  |  +--ro (single-or-all)?
   |  |  |  |     +--:(rbridge-id)
   |  |  |  |     |  +--ro extreme-license:rbridge-id?   common-def:rbridge-id-all-type
   |  |  |  |     +--:(all)
   |  |  |  |        +--ro extreme-license:all?          empty
   |  |  |  +--ro extreme-license:output
   |  |  |     +--ro extreme-license:license-list [license-rbridge-id]
   |  |  |        +--ro extreme-license:license-rbridge-id    common-def:rbridge-id-type
   |  |  |        +--ro extreme-license:license-details
   |  |  |           +--ro extreme-license:license-data?          string
   |  |  |           +--ro extreme-license:license-expiry-date?   string
   |  |  |           +--ro extreme-license:license-feature-name?  string
   |  |  |           +--ro extreme-license:license-capacity?      string
   |  |  |           +--ro extreme-license:license-consumed?      string
   |  |  |           +--ro extreme-license:license-valid-state?   string
   |  |  |           +--ro extreme-license:license-vendor-info?   string
```

Display Dynamic Ports on Demand (POD) information:

```
module: extreme-common-def
   +--rw show
   |  +--rw extreme-license:enh-show-license-keys /*drop-node-name*/
   |  |  +--ro extreme-license:dpod
   |  |     +--ro extreme-license:input
   |  |     |  +--ro (single-or-all)?
   |  |     |     +--:(rbridge-id)
   |  |     |     |  +--ro extreme-license:rbridge-id?   common-def:rbridge-id-all-type
   |  |     |     +--:(all)
   |  |     |        +--ro extreme-license:all?          empty
   |  |     +--ro extreme-license:output
   |  |        +--ro extreme-license:showdpod-list [showdpod-rbridge-id]
   |  |           +--ro extreme-license:showdpod-rbridge-id    common-def:rbridge-id-type
   |  |           +--ro extreme-license:dpod-details
   |  |              +--ro extreme-license:dpod-ports?                  uint32
   |  |              +--ro extreme-license:dpod-licenses-installed?     uint32
   |  |              +--ro extreme-license:num-ports-provisioned?       uint32
   |  |              +--ro extreme-license:num-ports-reserved?          uint32
   |  |              +--ro extreme-license:num-ports-license-available? uint32
```

History

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

extreme-linecard-management

Provides a data model for managing line cards.

Top-level container

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

External augmentations

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

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

extreme-lldp

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

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

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

External augmentations

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

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

extreme-lldp-ext

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

RPCs

```
+---x get-lldp-neighbor-detail
   +--ro input
   |  +--ro (request-type)?
   |     +--:(get-request)
   |     |  +--ro interface-type?       enumeration
   |     |  +--ro interface-name?       union
   |     +--:(get-next-request)
   |     |  +--ro last-rcvd-ifindex?    uint32
   |     +--:(get-rbridge-specific)
   |        +--ro rbridge-id?           common-def:rbridge-id-type
   +--ro output
      +--ro lldp-neighbor-detail [local-interface-name remote-interface-name]
      |  +--ro local-interface-name       string
      |  +--ro local-interface-mac?       interface:mac-address-type
      |  +--ro local-interface-ifindex?   uint64
      |  +--ro remote-interface-name      string
      |  +--ro remote-interface-mac?      interface:mac-address-type
      |  +--ro remote-management-address?   inet:ip-address
      |  +--ro remote-unnum-interface-mac?  interface:mac-address-type
      |  +--ro remote-unnum-ip-address?   inet:ip-address
      |  +--ro remote-port-description?   string
      |  +--ro remote-chassis-id?         string
      |  +--ro remote-system-name?        string
      |  +--ro remote-system-description? string
      |  +--ro dead-interval?             uint64
      |  +--ro remaining-life?            uint64
      |  +--ro lldp-pdu-transmitted?      yang:counter64
      |  +--ro lldp-pdu-received?         yang:counter64
      +--ro has-more?                  boolean
```

History

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

extreme-mac-access-list

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

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

Top-level container

```
module: extreme-mac-access-list
   +--rw mac
      +--rw access-list
         +--rw standard [name]
         |  +--rw name                mac-acl-name
         |  +--rw hide-mac-acl-std /*drop-node-name*/
         |     +--rw seq [seq-id]
         |        +--rw seq-id              uint64
         |        +--rw action?             enumeration
         |        +--rw source              union /*drop-node-name*/
         |        +--rw srchost?            mac-address-type /*drop-node-name*/
         |        +--rw src-mac-addr-mask?  src-dst-mac-address-mask-type /*drop-node-name*/
         |        +--rw count?              empty
         |        +--rw log?                empty
         |        +--rw copy-sflow?         empty
         +--rw extended [name]
            +--rw name                mac-acl-name
            +--rw hide-mac-acl-ext /*drop-node-name*/
               +--rw seq [seq-id]
                  +--rw seq-id              uint64
                  +--rw action?             enumeration /*drop-node-name*/
                  +--rw source              union /*drop-node-name*/
                  +--rw srchost?            mac-address-type /*drop-node-name*/
                  +--rw src-mac-addr-mask?  src-dst-mac-address-mask-type /*drop-node-name*/
                  +--rw dst                 union /*drop-node-name*/
                  +--rw dsthost?            mac-address-type /*drop-node-name*/
                  +--rw dst-mac-addr-mask?  src-dst-mac-address-mask-type /*drop-node-name*/
                  +--rw ethertype?          union /*drop-node-name*/
                  +--rw vlan?               interface:vlan-type /*alt-name:vlan*/
                  +--rw count?              empty
                  +--rw log?                empty
```

External augmentations

```
module: extreme-interface
   +--rw interface
   |  +--rw gigabitethernet [name]
   |  |  +--rw mac-access-list:mac
   |  |  |  +--rw mac-access-list:access-group [mac-access-list mac-direction]
   |  |  |     +--rw mac-access-list:mac-access-list    mac-acl-name /*drop-node-name*/
   |  |  |     +--rw mac-access-list:mac-direction       enumeration /*drop-node-name*/
   |  |  |     +--rw mac-access-list:traffic-type?       enumeration
   |  +--rw tengigabitethernet [name]
   |  |  +--rw mac-access-list:mac
   |  |  |  +--rw mac-access-list:access-group [mac-access-list mac-direction]
   |  |  |     +--rw mac-access-list:mac-access-list    mac-acl-name /*drop-node-name*/
   |  |  |     +--rw mac-access-list:mac-direction       enumeration /*drop-node-name*/
   |  |  |     +--rw mac-access-list:traffic-type?       enumeration /*drop-node-name*/
   |  +--rw fortygigabitethernet [name]
   |  |  +--rw mac-access-list:mac
   |  |  |  +--rw mac-access-list:access-group [mac-access-list mac-direction]
   |  |  |     +--rw mac-access-list:mac-access-list    mac-acl-name /*drop-node-name*/
   |  |  |     +--rw mac-access-list:mac-direction       enumeration /*drop-node-name*/
   |  |  |     +--rw mac-access-list:traffic-type?       enumeration /*drop-node-name*/
   |  +--rw hundredgigabitethernet [name]
   |  |  |  +--rw mac-access-list:access-group [mac-access-list mac-direction]
   |  |  |     +--rw mac-access-list:mac-access-list    mac-acl-name /*drop-node-name*/
```

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

RPCs

Return the ingress and egress policies for an interface:

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

History

Release version	History
7.1.0	This YANG module was modified to include the following: • Added leaf *copy-sflow* under container *access-list*. • Added leaves: *dscp*, *drop-precedence-force*, *mirror*, *pcp*, *pcp-force*, and *copy-sflow* under container *extended*.

extreme-mac-address-table

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

Top-level container

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

RPCs

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

extreme-mc-hms-operational

Manages the multicast operational information.

Top-level container

```
module: extreme-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 lmqc?                   uint8
  |  |     +--ro sqi?                    uint16
  |  |     +--ro sqc?                    uint16
  |  |     +--ro rv?                     uint8
  |  |     +--ro rum?                    uint8
  |  |     +--ro num-of-mcast-grps?      uint32
  |  |     +--ro vlan-groups [grp-ip-addr]
```

```
|  |        +--ro grp-ip-addr      uint32
|  |        +--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]
|  |     +--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?               uint32
|  |     +--ro is-igmp-querier-local?      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        uint32
|  |     +--ro interface-name    string
|  |     +--ro uptime?           string
|  |     +--ro expiry-time?      string
|  |     +--ro last-reporter?    uint32
|  |     +--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    uint32
|  |        +--ro excl-src-ip [ipv4-addr]
|  |           +--ro ipv4-addr    uint32
|  +--ro pim-snp-groups [vlan-id]
|  |  +--ro vlan-id           uint32
|  |  +--ro pim-snp-groups [group-addr vlan-id]
|  |     +--ro group-addr            uint32
|  |     +--ro vlan-id               uint32
|  |     +--ro uptime?               string
|  |     +--ro expiry-time?          string
|  |     +--ro last-reporter?        uint32
|  |     +--ro pim-snp-sources [src-addr]
|  |     |  +--ro src-addr              uint32
|  |     |  +--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-static-groups-state [group-addr interface-name]
   +--ro group-addr          inet:ipv4-address
   +--ro interface-name      string
   +--ro igmp-static-groups [group-addr interface-name]
      +--ro group-addr       uint32
      +--ro interface-name   string
      +--ro uptime?          string
      +--ro expiry-time?     string
      +--ro last-reporter?   uint32
      +--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    uint32
         +--ro excl-src-ip [ipv4-addr]
            +--ro ipv4-addr    uint32
```

History

Release version	History
17s.1.00	This YANG module was introduced.

extreme-nameserver

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

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

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

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

External augmentations

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

RPCs

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

Actions

Display detailed name server information:

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

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

Display brief name server information:

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

Display nodes matching a specified WWN or PID:

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

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

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

History

extreme-netconf-ext

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

RPCs

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

History

extreme-ntp

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

Top-level container

```
module: extreme-ntp
  +--rw ntp
     +--rw server* [ip]
     |  +--rw ip          inet:ip-address
     |  +--rw use-vrf?    common-def:vrf-name
     |  +--rw key?        uint32
     |  +--rw version?    uint32
     |  +--rw minpoll?    uint32
     |  +--rw maxpoll?    uint32
     +--rw authentication-key* [keyid]
     |  +--rw keyid     uint32
     |  +--rw md5?      string
     +--rw peer* [peer-ip]
     |  +--rw peer-ip          inet:ip-address
     |  +--rw peer-use-vrf?    common-def:vrf-name
     |  +--rw peer-key?        uint32
     |  +--rw peer-version?    uint32
     |  +--rw peer-minpoll?    uint32
     |  +--rw peer-maxpoll?    uint32
     +--rw source-ip?          srcip_type
     +--rw disable
     |  +--rw all?      empty
     |  +--rw serve?    empty
     +--rw authenticate?       empty
     +--rw trusted-key*        trust-key
     +--rw master?             uint32
```

RPCs

Return address of the active NTP server:

```
rpcs:
  +---x show-ntp
     +--ro output
        +--ro node-active-server*
           +--ro (ip4-6-or-local)?
              +--:(ipv4-6)
              |  +--ro active-server?   inet:ip-address
              +--:(local)
                 +--ro LOCL?            boolean
```

extreme-openflow

Provides a data model for OpenFlow.

Top-level container

```
module: extreme-openflow
  +--rw openflow-global
    +--rw openflow
      +--rw enable
      |  +--rw ofVerType?   enumeration
      +--rw default-behavior
      |  +--rw send-to-controller?   empty
      +--rw mirror
      |  +--rw destination
      |     +--rw mirror-interface* [interface-type interface-value]
      |        +--rw interface-type     enumeration
      |        +--rw interface-value    interface-value-type
      +--rw controller* [controller-name]
      |  +--rw controller-name     openflow-controller-name-type
      |  +--rw passive
      |  |  +--rw passive-connection-method?    enumeration
      |  |  +--rw passive-controller-address?   inet:ip-address
      |  |  +--rw passive-connection-port?      uint32
      |  |  +--rw passive-controller-vrf?       common-def:vrf-name
      |  +--rw active-controller
      |     +--rw controller-address?      inet:ip-address
      |     +--rw connection-method?       enumeration
      |     +--rw connection-port?         uint32
      |     +--rw active-controller-vrf?   common-def:vrf-name
      +--rw ingress-replication
        +--rw group-id-range
          +--rw min-group-id?   min-group-id
          +--rw max-group-id?   max-group-id
```

External augmentations

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

History

Release version	History
16r.1.00	This Yang Module was introduced.

extreme-openflow-operational

Provides a data model for managing the OpenFlow operational information.

Top-level container

```
module: extreme-openflow-operational
  +--ro openflow-state
  |  +--ro detail
  |  |  +--ro admin-status?             boolean
  |  |  +--ro ssl-status?               boolean
  |  |  +--ro num-controllers?          uint32
  |  |  +--ro data-path?                string
  |  |  +--ro l2-match?                 string
  |  |  +--ro l3-match?                 string
  |  |  +--ro max-l2-flows?             uint32
  |  |  +--ro active-flows?             uint32
  |  |  +--ro enabled-ports?            string
  |  |  +--ro default-action?           default-packet-action
  |  |  +--ro controller-detail-list [controller-idx]
  |  |  |  +--ro controller-idx          uint32
  |  |  |  +--ro controller-async-list [async-type]
  |  |  |  |  +--ro async-type     async-type
  |  |  |  |  +--ro config-data?   string
  |  |  |  +--ro controller-info
  |  |  |     +--ro name?               string
  |  |  |     +--ro mode?               ctrlr-connection-mode
  |  |  |     +--ro type?               ctrlr-type
  |  |  |     +--ro connection-type?    ctrlr-connection-type
  |  |  |     +--ro ip-addr?            inet:ipv4-address
  |  |  |     +--ro port?               uint32
  |  |  |     +--ro vrf-name?           string
  |  |  |     +--ro status?             ctrlr-connection-status
  |  |  |     +--ro role?               ctrlr-role
  |  |  +--ro hybrid-interfaces [hybrid-interface]
  |  |     +--ro hybrid-interface    string
  |  |     +--ro protected-vlans?    string
  |  +--ro flow
  |  |  +--ro data-packets-sent?   uint32
  |  |  +--ro data-bytes-sent?     uint32
  |  |  +--ro port-based-flows?    uint32
  |  |  +--ro hw-generic-flows?    uint32
  |  |  +--ro l2-interfaces?       uint32
  |  |  +--ro l3-interfaces?       uint32
  |  |  +--ro l23-interfaces?      uint32
  |  |  +--ro flow-info-list [flow-id]
  |  |     +--ro flow-id                     uint32
  |  |     +--ro priority?                   uint32
  |  |     +--ro status?                     flow-status
  |  |     +--ro in-port?                    string
  |  |     +--ro in-vlan?                    string
  |  |     +--ro source-mac?                 string
  |  |     +--ro destination-mac?            string
  |  |     +--ro ether-type?                 string
  |  |     +--ro ip-protocol?                uint32
  |  |     +--ro ip-protocol-source-port?    uint32
  |  |     +--ro ip-protocol-destination-port?  uint32
  |  |     +--ro source-ip?                  string
  |  |     +--ro destination-ip?             string
  |  |     +--ro instructions?               string
  |  |     +--ro action-data?                string
  |  |     +--ro meter-id?                   uint32
  |  |     +--ro vlan-upbits?                uint32
  |  |     +--ro nw-tos?                     uint32
  |  |     +--ro source-ip-mask?             string
  |  |     +--ro destination-ip-mask?        string
  |  |     +--ro total-packets?              uint32
  |  |     +--ro total-bytes?                uint32
```

```
|  |       +--ro flow-action-list [action-idx]
|  |          +--ro action-idx           uint32
|  |          +--ro group-id?            uint32
|  |          +--ro queue-id?            uint32
|  |          +--ro out-ports?           string
|  |          +--ro vlan-id?             uint32
|  |          +--ro action-vlan-upbits?  uint32
|  |          +--ro out-vlan-tag?        vlan-action
|  |          +--ro out-vlan-etype?      string
|  +--ro group
|  |  +--ro max-groups?                  uint32
|  |  +--ro max-bkts-per-group?          uint32
|  |  +--ro max-actions-per-bucket?      uint32
|  |  +--ro total-groups-all?            uint32
|  |  +--ro total-groups-select?         uint32
|  |  +--ro total-groups-indirect?       uint32
|  |  +--ro total-groups-fast-failover?  uint32
|  |  +--ro group-info-list [group-id]
|  |     +--ro group-id            uint32
|  |     +--ro transaction-id?     string
|  |     +--ro group-type?         group-type
|  |     +--ro packet-count?       uint32
|  |     +--ro byte-count?         uint32
|  |     +--ro flow-count?         uint32
|  |     +--ro num-of-bkts?        uint32
|  |     +--ro group-bucket-list [bucket-id]
|  |        +--ro bucket-id           uint32
|  |        +--ro weight?             uint32
|  |        +--ro watch-port?         string
|  |        +--ro group-action-list [action-id]
|  |           +--ro action-id       uint32
|  |           +--ro out-port?       string
|  |           +--ro vlan-id?        uint32
|  |           +--ro out-vlan-tag?   vlan-action
|  |           +--ro out-vlan-etype? string
|  +--ro meter
|  |  +--ro num-of-meters?     uint32
|  |  +--ro meter-info-list [meter-id]
|  |     +--ro meter-id            uint32
|  |     +--ro transaction-id?     string
|  |     +--ro meterflags-type?    string
|  |     +--ro flow-count?         uint32
|  |     +--ro num-of-bands?       uint32
|  |     +--ro in-packet-count?    uint32
|  |     +--ro in-byte-count?      uint32
|  |     +--ro meterband-info-list [band-type]
|  |        +--ro band-type           uint32
|  |        +--ro rate?               uint32
|  |        +--ro burst-size?         uint32
|  |        +--ro in-packet-band-count?  uint32
|  |        +--ro in-byte-band-count?    uint32
|  +--ro resources
|  |  +--ro meter-max?          uint32
|  |  +--ro meter-used?         uint32
|  |  +--ro meter-free?         uint32
|  |  +--ro tcam-profile?       string
|  |  +--ro group-resouces-list [group-type]
|  |  |  +--ro max?          uint32
|  |  |  +--ro used?         uint32
|  |  |  +--ro free?         uint32
|  |  |  +--ro group-type    group-type
|  |  +--ro slot-resouces-list [slot-id]
|  |     +--ro slot-id                 uint32
|  |     +--ro module?                 string
|  |     +--ro slot-match-profile-list [slot-match-profile-idx]
|  |        +--ro slot-match-profile-idx     uint32
|  |        +--ro max-flows?                 uint32
|  |        +--ro used-flows?                uint32
|  |        +--ro free-flows?                uint32
|  |        +--ro slot-chip-resource-list [slot-chip-idx]
|  |           +--ro slot-chip-idx     uint32
|  |           +--ro max-flows?        uint32
```

```
|  |            +--ro used-flows?      uint32
|  |            +--ro free-flows?      uint32
|  +--ro interface [port]
|  |  +--ro port         string
|  |  +--ro link?        boolean
|  |  +--ro port-state?  port-state
|  |  +--ro speed?       port-speed
|  |  +--ro mac?         string
|  |  +--ro port-id?     uint32
|  |  +--ro mode?        port-mode
|  +--ro flow-interface [interface-type interface-value]
|  |  +--ro interface-type     uint32
|  |  +--ro interface-value    string
|  |  +--ro flow-info-list [flow-id]
|  |     +--ro flow-id                     uint32
|  |     +--ro priority?                   uint32
|  |     +--ro status?                     flow-status
|  |     +--ro in-port?                    string
|  |     +--ro in-vlan?                    string
|  |     +--ro source-mac?                 string
|  |     +--ro destination-mac?            string
|  |     +--ro ether-type?                 string
|  |     +--ro ip-protocol?                uint32
|  |     +--ro ip-protocol-source-port?    uint32
|  |     +--ro ip-protocol-destination-port?  uint32
|  |     +--ro source-ip?                  string
|  |     +--ro destination-ip?             string
|  |     +--ro instructions?               string
|  |     +--ro action-data?                string
|  |     +--ro meter-id?                   uint32
|  |     +--ro vlan-upbits?                uint32
|  |     +--ro nw-tos?                     uint32
|  |     +--ro source-ip-mask?             string
|  |     +--ro destination-ip-mask?        string
|  |     +--ro total-packets?              uint32
|  |     +--ro total-bytes?                uint32
|  |     +--ro flow-action-list [action-idx]
|  |        +--ro action-idx           uint32
|  |        +--ro group-id?            uint32
|  |        +--ro queue-id?            uint32
|  |        +--ro out-ports?           string
|  |        +--ro vlan-id?             uint32
|  |        +--ro action-vlan-upbits?  uint32
|  |        +--ro out-vlan-tag?        vlan-action
|  |        +--ro out-vlan-etype?      string
|  +--ro controller [name]
|  |  +--ro name               string
|  |  +--ro mode?              ctrlr-connection-mode
|  |  +--ro type?              ctrlr-type
|  |  +--ro connection-type?   ctrlr-connection-type
|  |  +--ro ip-addr?           inet:ipv4-address
|  |  +--ro port?              uint32
|  |  +--ro vrf-name?          string
|  |  +--ro status?            ctrlr-connection-status
|  |  +--ro role?              ctrlr-role
|  +--ro flow-id
|  |  +--ro flow-id?                    uint32
|  |  +--ro priority?                   uint32
|  |  +--ro status?                     flow-status
|  |  +--ro in-port?                    string
|  |  +--ro in-vlan?                    string
|  |  +--ro source-mac?                 string
|  |  +--ro destination-mac?            string
|  |  +--ro ether-type?                 string
|  |  +--ro ip-protocol?                uint32
|  |  +--ro ip-protocol-source-port?    uint32
|  |  +--ro ip-protocol-destination-port?  uint32
|  |  +--ro source-ip?                  string
|  |  +--ro destination-ip?             string
|  |  +--ro instructions?               string
|  |  +--ro action-data?                string
|  |  +--ro meter-id?                   uint32
```

```
|  |  +--ro vlan-upbits?                    uint32
|  |  +--ro nw-tos?                          uint32
|  |  +--ro source-ip-mask?                  string
|  |  +--ro destination-ip-mask?            string
|  |  +--ro total-packets?                  uint32
|  |  +--ro total-bytes?                    uint32
|  |  +--ro flow-action-list [action-idx]
|  |      +--ro action-idx          uint32
|  |      +--ro group-id?           uint32
|  |      +--ro queue-id?           uint32
|  |      +--ro out-ports?          string
|  |      +--ro vlan-id?            uint32
|  |      +--ro action-vlan-upbits? uint32
|  |      +--ro out-vlan-tag?       vlan-action
|  |      +--ro out-vlan-etype?     string
|  +--ro group-id
|  |  +--ro group-id?          uint32
|  |  +--ro transaction-id?    string
|  |  +--ro group-type?        group-type
|  |  +--ro packet-count?      uint32
|  |  +--ro byte-count?        uint32
|  |  +--ro flow-count?        uint32
|  |  +--ro num-of-bkts?       uint32
|  |  +--ro group-bucket-list [bucket-id]
|  |      +--ro bucket-id           uint32
|  |      +--ro weight?             uint32
|  |      +--ro watch-port?         string
|  |      +--ro group-action-list [action-id]
|  |          +--ro action-id       uint32
|  |          +--ro out-port?       string
|  |          +--ro vlan-id?        uint32
|  |          +--ro out-vlan-tag?   vlan-action
|  |          +--ro out-vlan-etype? string
|  +--ro meter-id
|  |  +--ro meter-id?          uint32
|  |  +--ro transaction-id?    string
|  |  +--ro meterflags-type?   string
|  |  +--ro flow-count?        uint32
|  |  +--ro num-of-bands?      uint32
|  |  +--ro in-packet-count?   uint32
|  |  +--ro in-byte-count?     uint32
|  |  +--ro meterband-info-list [band-type]
|  |      +--ro band-type           uint32
|  |      +--ro rate?               uint32
|  |      +--ro burst-size?         uint32
|  |      +--ro in-packet-band-count? uint32
|  |      +--ro in-byte-band-count?   uint32
|  +--ro queues-interface
|     +--ro interface-value?   string
|     +--ro queue-info-list [interface num]
|        +--ro interface    string
|        +--ro num          uint32
|        +--ro tx-packets?  uint64
|        +--ro tx-bytes?    uint64
+--ro queues-state
   +--ro queue-interface-list [interface-value]
      +--ro interface-value    string
      +--ro queue-info-list [interface num]
         +--ro interface    string
         +--ro num          uint32
         +--ro tx-packets?  uint64
         +--ro tx-bytes?    uint64
```

History

Release version	History
17s.1.00	This YANG module was introduced.

extreme-ospf

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

External augmentations

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

```
name*/; /*alt-name "prefix-list"*/
        |  |  |  |  |  +--rw ospf:prefix-list-direction-in?             empty /*alt-name "in"*/
        |  |  |  |  +--rw ospf:direction-out /*drop-node-name*/
        |  |  |  |          +--rw ospf:prefix-list-direction-out-prefix-name?   ipv4-prefix-name-t /*drop-node-
name*/; /*alt-name "prefix-list"*/
        |  |  |  |          +--rw ospf:prefix-list-direction-out?            empty /*alt-name "out"*/
        |  |  +--rw ospf:virtual-link [virt-link-neighbor]
        |  |  |    +--rw ospf:virt-link-neighbor    inet:ipv4-address
        |  |  |    +--rw ospf:authentication-key
        |  |  |    |  +--rw ospf:no-encrypt-auth-key-table /*drop-node-name*/
        |  |  |    |  |  +--rw ospf:no-encrypt-auth-key?  ospf-auth-psswd-string /*drop-node-name*/
        |  |  |    |  +--rw ospf:auth-key-table /*drop-node-name*/
        |  |  |    |     +--rw ospf:encrypttype?   key-type /*drop-node-name*/
        |  |  |    |     +--rw ospf:auth-key?       ospf-auth-psswd-string /*drop-node-name*/
        |  |  |    +--rw ospf:dead-interval?         common-def:time-interval-sec
        |  |  |    +--rw ospf:hello-interval?        common-def:time-interval-sec
        |  |  |    +--rw ospf:retransmit-interval?   common-def:time-interval-sec
        |  |  |    +--rw ospf:transmit-delay?        common-def:time-interval-sec
        |  |  |    +--rw ospf:md5-authentication
        |  |  |       +--rw ospf:key-activation-wait-time?  common-def:time-interval-sec
        |  |  |       +--rw ospf:no-encrypt-key-table /*drop-node-name*/
        |  |  |       |  +--rw ospf:no-encrypt-key-id?  uint32 /*alt-name "key-id"*/
        |  |  |       |  +--rw ospf:no-encrypt-key?     ospf-auth-psswd-string /*alt-name "key"*/
        |  |  |       +--rw ospf:key-table /*drop-node-name*/
        |  |  |          +--rw ospf:key-id?                uint32 /*drop-node-name*/
        |  |  |          +--rw ospf:key?                   key-type
        |  |  |          +--rw ospf:md5-authentication-key?  ospf-auth-psswd-string /*drop-node-name*/
        |  +--rw ospf:auto-cost
        |  |  +--rw ospf:reference-bandwidth
        |  |     +--rw ospf:ref-bandwidth?      band-width /*drop-node-name*/
        |  |     +--rw ospf:use-active-ports?  empty
        |  +--rw ospf:distance [route-type]
        |  |  +--rw ospf:route-type    route-type-enum /*drop-node-name*/
        |  |  +--rw ospf:dist-value    uint32 /*drop-node-name*/
        |  +--rw ospf:distribute-list
        |  |  +--rw ospf:route-map
        |  |     +--rw ospf:route-map?      common-def:name-string63 /*drop-node-name*/
        |  |     +--rw ospf:direction-in?   empty /*alt-name in*/
        |  +--rw ospf:max-metric
        |  |  +--rw ospf:router-lsa?
        |  |     +--rw ospf:all-vrfs?        empty
        |  |     +--rw ospf:all-lsas?        empty
        |  |     +--rw ospf:external-lsa?
        |  |     |  +--rw ospf:external-lsa-val?   uint32 /*drop-node-name*/
        |  |     +--rw ospf:summary-lsa?
        |  |     |  +--rw ospf:summary-lsa-val?    uint32 /*drop-node-name*/
        |  |     +--rw ospf:link
        |  |     |  +--rw ospf:all?       empty
        |  |     |  +--rw ospf:ptp?       empty
        |  |     |  +--rw ospf:stub?      empty
        |  |     |  +--rw ospf:transit?   empty
        |  |     +--rw ospf:on-startup
        |  |        +--rw ospf:time?                   uint32 /*drop-node-name*/
        |  |        +--rw ospf:wait-for-bgp?           empty
        |  |        +--rw ospf:all-lsas-onstartup?     empty /*alt-name:all-lsas*/
        |  |        +--rw ospf:external-lsa-onstartup? /*alt-name:external-lsa*/
        |  |        |  +--rw ospf:external-lsa-val-onstartup?   uint32 /*drop-node-name*/
        |  |        +--rw ospf:summary-lsa-onstartup? /*alt-name:"summary-lsa"*/
        |  |        |  +--rw ospf:summary-lsa-val-onstartup?   uint32 /*drop-node-name*/
        |  |        +--rw ospf:link-onstartup /*alt-name:"link"*/
        |  |           +--rw ospf:all-link-onstartup?       empty /*alt-name:"all"*/
        |  |           +--rw ospf:ptp-link-onstartup?       empty /*alt-name:"ptp"*/
        |  |           +--rw ospf:stub-link-onstartup?      empty /*alt-name:"stub"*/
        |  |           +--rw ospf:transit-link-onstartup?   empty /*alt-name:"transit"*/
        |  +--rw ospf:summary-address [sum-address sum-address-mask]
        |  |  +--rw ospf:sum-address        ospf-ipv4-address
        |  |  +--rw ospf:sum-address-mask   inet:ipv4-address
        |  +--rw ospf:timers
        |  |  +--rw ospf:lsa-group-pacing?   common-def:time-interval-sec
        |  |  +--rw ospf:throttle
        |  |     +--rw ospf:spf
        |  |        +--rw ospf:init-delay?      common-def:time-interval-msec /*drop-node-name*/
```

```
| | |          +--rw ospf:hold-time?       common-def:time-interval-msec /*drop-node-name*/
| | |          +--rw ospf:max-hold-time?   common-def:time-interval-msec /*drop-node-name*/
| | +--rw ospf:permit
| | | +--rw ospf:redistribute [redist-value route-option]
| | |    +--rw ospf:redist-value        uint32
| | |    +--rw ospf:route-option        route-option-type
| | |    +--rw ospf:address?            inet:ipv4-address
| | |    +--rw ospf:mask?               inet:ipv4-address /*drop-node-name*/
| | |    +--rw ospf:set-metric-val?     uint32 /*alt-name:"set-metric"*/
| | |    +--rw ospf:match-metric-val?   uint32 /*alt-name:"match-metric"*/
| | +--rw ospf:deny
| | | +--rw ospf:redistribute [redist-value route-option]
| | |    +--rw ospf:redist-value        uint32
| | |    +--rw ospf:route-option        route-option-type
| | |    +--rw ospf:address?            inet:ipv4-address
| | |    +--rw ospf:mask?               inet:ipv4-address
| | |    +--rw ospf:set-metric-val?     uint32 /*alt-name:"set-metric"*/
| | |    +--rw ospf:match-metric-val?   uint32 /*alt-name:"match-metric"*/
| | +--rw ospf:vrf-lite-capability?           empty
| | +--rw ospf:graceful-restart
| | | +--rw ospf:graceful-restart-enable?   empty /*drop-node-name*/
| | | +--rw ospf:helper-disable?            empty
| | | +--rw ospf:restart-time?              common-def:time-interval-sec
| | +--rw ospf:nonstop-routing?             empty
| | +--rw ospf:maximum-paths?               uint8
| | +--rw ospf:global-bfd /*alt-name:"bfd"*/
| |    +--rw ospf:bfd-enable?       empty /*drop-node-name*/
| |    +--rw ospf:holdover-interval?   uint8


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

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


module: extreme-interface
  +--rw interface
  | +--rw fortygigabitethernet [name]
  | | +--rw ip
  | | | +--rw ospf:interface-fo-ospf-conf /*drop-node-name*/
  | | | | +--rw ospf:ospf-interface-config /*alt-name:"ospf"*/
  | | | |   +--rw ospf:area?                      ospf-area-id
  | | | |   +--rw ospf:auth-change-wait-time?  common-def:time-interval-sec
  | | | |   +--rw ospf:authentication-key
  | | | |   | +--rw ospf:no-encrypt-auth-key-table /*drop-node-name*/
  | | | |   | | +--rw ospf:no-encrypt-auth-key?  ospf-auth-psswd-string /*drop-node-name*/
  | | | |   | +--rw ospf:auth-key-table /*drop-node-name*/
  | | | |   |   +--rw ospf:encrypttype?         key-type /*drop-node-name*/
  | | | |   |   +--rw ospf:auth-key?            ospf-auth-psswd-string /*drop-node-name*/
  | | | |   +--rw ospf:dead-interval?            common-def:time-interval-sec
  | | | |   +--rw ospf:hello-interval?           common-def:time-interval-sec
  | | | |   +--rw ospf:retransmit-interval?      common-def:time-interval-sec
  | | | |   +--rw ospf:transmit-delay?           common-def:time-interval-sec
  | | | |   +--rw ospf:md5-authentication
  | | | |   | +--rw ospf:key-activation-wait-time?  common-def:time-interval-sec
  | | | |   | +--rw ospf:no-encrypt-key-table /*drop-node-name*/
  | | | |   | | +--rw ospf:no-encrypt-key-id?   uint32 /*alt-name:"key-id"*/
  | | | |   | | +--rw ospf:no-encrypt-key?      ospf-auth-psswd-string /*alt-name:"key"*/
  | | | |   | +--rw ospf:key-table /*drop-node-name*/; /*alt-name:"key-id"*/
  | | | |   |   +--rw ospf:key-id?              uint32 /*drop-node-name*/
  | | | |   |   +--rw ospf:key?                 key-type
  | | | |   |   +--rw ospf:md5-authentication-key?  ospf-auth-psswd-string /*drop-node-name*/
```

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


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


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

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


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


module: extreme-interface
  +--rw interface
  |  +--rw port-channel [name]
  |  |  +--rw ip
  |  |  |  +--rw ospf:interface-PO-ospf-conf /*drop-node-name*/
  |  |  |  |  +--rw ospf:ospf-interface-config /*alt-name "ospf"*/
  |  |  |  |     +--rw ospf:area?                       ospf-area-id
```

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

History

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

6.0.1a	This YANG module was modified to include the following:
	• Container *ospf1* renamed to container *ospf-interface-config* in augment to the following:
	   – /interface:interface/interface:gigabitethernet/interface:ip
	   – /interface:interface/interface:tengigabitethernet/interface:ip
	   – /interface:interface/interface:fortygigabitethernet/interface:ip
	   – /interface:interface/interface:hundredgigabitethernet/interface:ip

Release version	History
	• Leaf *no-summary1?* under container *metric* within container *nssa* renamed to *nssa-no-summary*.
7.0.0	This YANG module was modified to include the following: • Support for interface port-channel
7.0.1	This YANG module was modified to include the following: • Container *default-information-metric* containing leaves *default-information-metric-values* and *default-information-metric-type* was added. • Leaves *no-redistribution*, *translator-always*, and *translator-interval* were added under container *nssa*.

extreme-ospfv3

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

External augmentations

```
module: extreme-rbridge
   +--rw rbridge-id [rbridge-id]
      +--rw ipv6
      | +--rw router
      | | +--rw ospfv3:ospf [vrf]
      | |    +--rw ospfv3:vrf                                 common-def:vrf-name
      | |    +--rw ospfv3:area [area-id] /*drop-node-name*/
      | |    | +--rw ospfv3:area-id          ospf:ospf-area-id
      | |    | +--rw ospfv3:nssa?
      | |    | | +--rw ospfv3:metric /*drop-node-name*/
      | |    | | | +--rw ospfv3:nssa-area-metric?   uint32 /*drop-node-name*/
      | |    | | +--rw ospfv3:area-default-information-originate? /*alt-name:"default-information-
originate"*/
      | |    | | | +--rw ospfv3:area-default-information-originate-metric?        uint32 /*alt-
name:"metric"*/
      | |    | | | +--rw ospfv3:area-default-information-originate-metric-type?  ospf:metric-
type /*alt-name:"metric-type"*/
      | |    | | +--rw ospfv3:no-redistribution?                  empty
      | |    | | +--rw ospfv3:nssa-area-no-summary?               empty /*alt-name:"no-summary"*/
      | |    | | +--rw ospfv3:translator-always?                  empty
      | |    | | +--rw ospfv3:translator-interval?                common-def:time-interval-sec
      | |    | +--rw ospfv3:stub
      | |    | | +--rw ospfv3:stub-area-no-summary?   empty /*alt-name:"no-summary"*/
      | |    | | +--rw ospfv3:stub-area-metric?       uint32 /*drop-node-name*/
      | |    | +--rw ospfv3:authentication
      | |    | | +--rw ospfv3:ipsec-auth-key-config /*drop-node-name*/
      | |    | |    +--rw ospfv3:spi?                spi-value-type
      | |    | |    +--rw (ch-algorithm)?
      | |    | |       +--:(ca-ah-algorithm)
      | |    | |       | +--rw ospfv3:ah?                  algorithm-type-ah
      | |    | |       | +--rw ospfv3:ah-no-encrypt?       empty /*alt-name:"no-encrypt"*/
      | |    | |       | +--rw ospfv3:ah-key?              ipsec-authentication-hexkey-string /
*alt-name:"key"*/
      | |    | |       +--:(ca-esp-algorithm)
      | |    | |          +--rw ospfv3:esp?                algorithm-type-esp
      | |    | |          +--rw ospfv3:esp-no-encrypt?     empty /*alt-name:"no-encrypt"*/
      | |    | |          +--rw ospfv3:esp-key?            ipsec-authentication-hexkey-string /
*alt-name:"key"*/
      | |    | |          +--rw ospfv3:esp-auth?           algorithm-type-ah /*drop-node-name*/
      | |    | |          +--rw ospfv3:esp-auth-no-encrypt?  empty /*alt-name:"no-encrypt"*/
      | |    | |          +--rw ospfv3:esp-auth-key?        ipsec-authentication-hexkey-string /
*alt-name:"key"*/
      | |    | +--rw ospfv3:virtual-link [virtual-link-neighbor]
      | |    | | +--rw ospfv3:virtual-link-neighbor    inet:ipv4-address
      | |    | | +--rw ospfv3:link-properties /*drop-node-name*/
      | |    | |    +--rw ospfv3:link-interval-properties /*drop-node-name*/
      | |    | |    | +--rw ospfv3:hello-interval?       common-def:time-interval-sec
      | |    | |    | +--rw ospfv3:dead-interval?        common-def:time-interval-sec
      | |    | |    | +--rw ospfv3:hello-jitter?         uint32
      | |    | |    | +--rw ospfv3:retransmit-interval?  common-def:time-interval-sec
      | |    | |    | +--rw ospfv3:transmit-delay?       common-def:time-interval-sec
      | |    | |    +--rw ospfv3:authentication
      | |    | |       +--rw ospfv3:ipsec-auth-key-config /*drop-node-name*/
      | |    | |          +--rw ospfv3:spi?                spi-value-type
      | |    | |          +--rw (ch-algorithm)?
      | |    | |             +--:(ca-ah-algorithm)
      | |    | |             | +--rw ospfv3:ah?                  algorithm-type-ah
      | |    | |             | +--rw ospfv3:ah-no-encrypt?       empty /*alt-name:"no-encrypt"*/
      | |    | |             | +--rw ospfv3:ah-key?              ipsec-authentication-hexkey-
string /*alt-name:"key"*/
      | |    | |             +--:(ca-esp-algorithm)
      | |    | |                +--rw ospfv3:esp?                algorithm-type-esp
```

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

```
    |  |        |          +--rw ospfv3:redistribute-bgp-metric-type?   ospf:metric-type /*alt-name:"metric-
type"*/
    |  |        +--rw ospfv3:summary-address [summary-address-value]
    |  |        |  +--rw ospfv3:summary-address-value    common-def:ipv6-address-prefix
    |  |        +--rw ospfv3:timers
    |  |        |  +--rw ospfv3:lsa-group-pacing?   common-def:time-interval-sec
    |  |        |  +--rw ospfv3:spf
    |  |        |     +--rw ospfv3:spf-delay?       common-def:time-interval-sec /*drop-node-name*/
    |  |        |     +--rw ospfv3:spf-hold-time?   common-def:time-interval-sec /*drop-node-name*/
    |  |        +--rw ospfv3:nonstop-routing?                        empty
    |  |        +--rw ospfv3:maximum-paths?                          uint32
    |  |        +--rw ospfv3:max-metric
    |  |        |  +--rw ospfv3:router-lsa?
    |  |        |     +--rw ospfv3:all-lsas?        empty
    |  |        |     +--rw ospfv3:external-lsa?
    |  |        |     |  +--rw ospfv3:external-lsa-value?   uint32 /*drop-node-name*/
    |  |        |     +--rw ospfv3:summary-lsa?
    |  |        |     |  +--rw ospfv3:summary-lsa-value?    uint32 /*drop-node-name*/
    |  |        |     +--rw ospfv3:include-stub?    empty
    |  |        |     +--rw ospfv3:on-startup
    |  |        |        +--rw ospfv3:on-startup-time?    uint32 /*drop-node-name*/
    |  |        |        +--rw ospfv3:wait-for-bgp?       empty
    |  |        +--rw ospfv3:bfd
    |  |           +--rw ospfv3:bfd-enable?                 empty /*drop-node-name*/
    |  |           +--rw ospfv3:bfd-holdover-interval?   common-def:time-interval-sec /*alt-
name:"holdover-interval"*/


module: extreme-interface
   +--rw interface
   |  +--rw gigabitethernet [name]
   |  |  +--rw ipv6
   |  |  |  +--rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
   |  |  |  |  +--rw ospfv3:interface-area?      ospf:ospf-area-id /*alt-name:"area"*/
   |  |  |  |  +--rw ospfv3:active?              empty
   |  |  |  |  +--rw ospfv3:passive?             empty
   |  |  |  |  +--rw ospfv3:bfd
   |  |  |  |  |  +--rw ospfv3:bfd-enable?   empty /*drop-node-name*/
   |  |  |  |  +--rw ospfv3:cost?                uint32
   |  |  |  |  +--rw ospfv3:instance?            uint32
   |  |  |  |  +--rw ospfv3:mtu-ignore?          empty
   |  |  |  |  +--rw ospfv3:network?             enumeration
   |  |  |  |  +--rw ospfv3:priority?            uint32
   |  |  |  |  +--rw ospfv3:suppress-linklsa?    empty
   |  |  |  |  +--rw ospfv3:authentication
   |  |  |  |  |  +--rw ospfv3:ipsec-auth-key-config /*drop-node-name*/
   |  |  |  |  |  |  +--rw ospfv3:spi?                    spi-value-type
   |  |  |  |  |  |  +--rw (ch-algorithm)?
   |  |  |  |  |  |     +--:(ca-ah-algorithm)
   |  |  |  |  |  |     |  +--rw ospfv3:ah?                     algorithm-type-ah
   |  |  |  |  |  |     |  +--rw ospfv3:ah-no-encrypt?          empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |  |     |  +--rw ospfv3:ah-key?                 ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |  |     +--:(ca-esp-algorithm)
   |  |  |  |  |  |        +--rw ospfv3:esp?                    algorithm-type-esp
   |  |  |  |  |  |        +--rw ospfv3:esp-no-encrypt?         empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |  |        +--rw ospfv3:esp-key?                ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |  |        +--rw ospfv3:esp-auth?               algorithm-type-ah /*drop-node-name*/
   |  |  |  |  |  |        +--rw ospfv3:esp-auth-no-encrypt?    empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |  |        +--rw ospfv3:esp-auth-key?           ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |  +--rw ospfv3:ipsec
   |  |  |  |  |     +--rw ospfv3:ipsec-authentication-disable?   empty /*alt-name:"disable"*/
   |  |  |  |  |     +--rw ospfv3:ifc-key-add-remove-interval?    common-def:time-interval-sec /*alt-
name:"key-add-remove-interval"*/
   |  |  |  |  +--rw ospfv3:link-properties /*drop-node-name*/
   |  |  |  |     +--rw ospfv3:link-interval-properties /*drop-node-name*/
   |  |  |  |     |  +--rw ospfv3:hello-interval?        common-def:time-interval-sec
   |  |  |  |     |  +--rw ospfv3:dead-interval?         common-def:time-interval-sec
   |  |  |  |     |  +--rw ospfv3:hello-jitter?          uint32
   |  |  |  |     |  +--rw ospfv3:retransmit-interval?   common-def:time-interval-sec
```

```
        |  |  |  |     |  +--rw ospfv3:transmit-delay?        common-def:time-interval-sec


module: extreme-interface
   +--rw interface
   |  +--rw tengigabitethernet [name]
   |  |  +--rw ipv6
   |  |  |  +--rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
   |  |  |  |  +--rw ospfv3:interface-area?     ospf:ospf-area-id /*alt-name:"area"*/
   |  |  |  |  +--rw ospfv3:active?            empty
   |  |  |  |  +--rw ospfv3:passive?           empty
   |  |  |  |  +--rw ospfv3:bfd
   |  |  |  |  |  +--rw ospfv3:bfd-enable?   empty /*drop-node-name*/
   |  |  |  |  +--rw ospfv3:cost?             uint32
   |  |  |  |  +--rw ospfv3:instance?         uint32
   |  |  |  |  +--rw ospfv3:mtu-ignore?       empty
   |  |  |  |  +--rw ospfv3:network?          enumeration
   |  |  |  |  +--rw ospfv3:priority?         uint32
   |  |  |  |  +--rw ospfv3:suppress-linklsa?  empty
   |  |  |  +--rw ospfv3:authentication
   |  |  |  |  +--rw ospfv3:ipsec-auth-key-config /*drop-node-name*/
   |  |  |  |  |  +--rw ospfv3:spi?                  spi-value-type
   |  |  |  |  |  +--rw (ch-algorithm)?
   |  |  |  |  |     +--:(ca-ah-algorithm)
   |  |  |  |  |     |  +--rw ospfv3:ah?                   algorithm-type-ah
   |  |  |  |  |     |  +--rw ospfv3:ah-no-encrypt?        empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |     |  +--rw ospfv3:ah-key?               ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |     +--:(ca-esp-algorithm)
   |  |  |  |  |        +--rw ospfv3:esp?                  algorithm-type-esp
   |  |  |  |  |        +--rw ospfv3:esp-no-encrypt?       empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |        +--rw ospfv3:esp-key?              ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |        +--rw ospfv3:esp-auth?             algorithm-type-ah /*drop-node-name*/
   |  |  |  |  |        +--rw ospfv3:esp-auth-no-encrypt?  empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |        +--rw ospfv3:esp-auth-key?         ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  +--rw ospfv3:ipsec
   |  |  |  |     +--rw ospfv3:ipsec-authentication-disable?   empty /*alt-name:"disable"*/
   |  |  |  |     +--rw ospfv3:ifc-key-add-remove-interval?    common-def:time-interval-sec /*alt-
name:"key-add-remove-interval"*/
   |  |  |  +--rw ospfv3:link-properties /*drop-node-name*/
   |  |  |     +--rw ospfv3:link-interval-properties
   |  |  |        +--rw ospfv3:hello-interval?       common-def:time-interval-sec
   |  |  |        +--rw ospfv3:dead-interval?        common-def:time-interval-sec
   |  |  |        +--rw ospfv3:hello-jitter?         uint32
   |  |  |        +--rw ospfv3:retransmit-interval?  common-def:time-interval-sec
   |  |  |        +--rw ospfv3:transmit-delay?       common-def:time-interval-sec


module: extreme-interface
   +--rw interface
   |  +--rw fortygigabitethernet [name]
   |  |  +--rw ipv6
   |  |  |  +--rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
   |  |  |  |  +--rw ospfv3:interface-area?     ospf:ospf-area-id /*alt-name:"area"*/
   |  |  |  |  +--rw ospfv3:active?            empty
   |  |  |  |  +--rw ospfv3:passive?           empty
   |  |  |  |  +--rw ospfv3:bfd
   |  |  |  |  |  +--rw ospfv3:bfd-enable?   empty /*drop-node-name*/
   |  |  |  |  +--rw ospfv3:cost?             uint32
   |  |  |  |  +--rw ospfv3:instance?         uint32
   |  |  |  |  +--rw ospfv3:mtu-ignore?       empty
   |  |  |  |  +--rw ospfv3:network?          enumeration
   |  |  |  |  +--rw ospfv3:priority?         uint32
   |  |  |  |  +--rw ospfv3:suppress-linklsa?  empty
   |  |  |  +--rw ospfv3:authentication
   |  |  |  |  +--rw ospfv3:ipsec-auth-key-config /*drop-node-name*/
   |  |  |  |  |  +--rw ospfv3:spi?                  spi-value-type
   |  |  |  |  |  +--rw (ch-algorithm)?
   |  |  |  |  |     +--:(ca-ah-algorithm)
   |  |  |  |  |     |  +--rw ospfv3:ah?                   algorithm-type-ah
```

```
    |  |  |       |  |      |  +--rw ospfv3:ah-no-encrypt?         empty /*alt-name:"no-encrypt"*/
    |  |  |       |  |      |  +--rw ospfv3:ah-key?                ipsec-authentication-hexkey-string /*alt-
name:"key"*/
    |  |  |       |  |   +--:(ca-esp-algorithm)
    |  |  |       |  |      +--rw ospfv3:esp?                   algorithm-type-esp
    |  |  |       |  |      +--rw ospfv3:esp-no-encrypt?        empty /*alt-name:"no-encrypt"*/
    |  |  |       |  |      +--rw ospfv3:esp-key?               ipsec-authentication-hexkey-string /*alt-
name:"key"*/
    |  |  |       |  |      +--rw ospfv3:esp-auth?              algorithm-type-ah /*drop-node-name*/
    |  |  |       |  |      +--rw ospfv3:esp-auth-no-encrypt?   empty /*alt-name:"no-encrypt"*/
    |  |  |       |  |      +--rw ospfv3:esp-auth-key?          ipsec-authentication-hexkey-string /*alt-
name:"key"*/
    |  |  |       | +--rw ospfv3:ipsec
    |  |  |       |    +--rw ospfv3:ipsec-authentication-disable?   empty /*alt-name:"disable"*/
    |  |  |       |    +--rw ospfv3:ifc-key-add-remove-interval?    common-def:time-interval-sec /*alt-
name:"key-add-remove-interval"*/
    |  |  |    +--rw ospfv3:link-properties /*drop-node-name*/
    |  |  |    |    +--rw ospfv3:link-interval-properties
    |  |  |    |       +--rw ospfv3:hello-interval?        common-def:time-interval-sec
    |  |  |    |       +--rw ospfv3:dead-interval?         common-def:time-interval-sec
    |  |  |    |       +--rw ospfv3:hello-jitter?          uint32
    |  |  |    |       +--rw ospfv3:retransmit-interval?   common-def:time-interval-sec
    |  |  |    |       +--rw ospfv3:transmit-delay?        common-def:time-interval-sec


module: extreme-interface
   +--rw interface
   |  +--rw hundredgigabitethernet [name]
   |  |  +--rw ipv6
   |  |  |  +--rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
   |  |  |     +--rw ospfv3:interface-area?     ospf:ospf-area-id /*alt-name:"area"*/
   |  |  |     +--rw ospfv3:active?             empty
   |  |  |     +--rw ospfv3:passive?            empty
   |  |  |     +--rw ospfv3:bfd
   |  |  |     |  +--rw ospfv3:bfd-enable?    empty /*drop-node-name*/
   |  |  |     +--rw ospfv3:cost?              uint32
   |  |  |     +--rw ospfv3:instance?          uint32
   |  |  |     +--rw ospfv3:mtu-ignore?        empty
   |  |  |     +--rw ospfv3:network?           enumeration
   |  |  |     +--rw ospfv3:priority?          uint32
   |  |  |     +--rw ospfv3:suppress-linklsa?  empty
   |  |  |     +--rw ospfv3:authentication
   |  |  |     |  +--rw ospfv3:ipsec-auth-key-config /*drop-node-name*/
   |  |  |     |  |  +--rw ospfv3:spi?                  spi-value-type
   |  |  |     |  |  +--rw (ch-algorithm)?
   |  |  |     |  |     +--:(ca-ah-algorithm)
   |  |  |     |  |     |  +--rw ospfv3:ah?                algorithm-type-ah
   |  |  |     |  |     |  +--rw ospfv3:ah-no-encrypt?     empty /*alt-name:"no-encrypt"*/
   |  |  |     |  |     |  +--rw ospfv3:ah-key?            ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |     |  |     +--:(ca-esp-algorithm)
   |  |  |     |  |        +--rw ospfv3:esp?               algorithm-type-esp
   |  |  |     |  |        +--rw ospfv3:esp-no-encrypt?    empty /*alt-name:"no-encrypt"*/
   |  |  |     |  |        +--rw ospfv3:esp-key?           ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |     |  |        +--rw ospfv3:esp-auth?          algorithm-type-ah /*drop-node-name*/
   |  |  |     |  |        +--rw ospfv3:esp-auth-no-encrypt?  empty /*alt-name:"no-encrypt"*/
   |  |  |     |  |        +--rw ospfv3:esp-auth-key?      ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |     |  +--rw ospfv3:ipsec
   |  |  |     |     +--rw ospfv3:ipsec-authentication-disable?   empty /*alt-name:"disable"*/
   |  |  |     |     +--rw ospfv3:ifc-key-add-remove-interval?    common-def:time-interval-sec /*alt-
name:"key-add-remove-interval"*/
   |  |  |     +--rw ospfv3:link-properties /*drop-node-name*/
   |  |  |        +--rw ospfv3:link-interval-properties
   |  |  |        |  +--rw ospfv3:hello-interval?        common-def:time-interval-sec
   |  |  |        |  +--rw ospfv3:dead-interval?         common-def:time-interval-sec
   |  |  |        |  +--rw ospfv3:hello-jitter?          uint32
   |  |  |        |  +--rw ospfv3:retransmit-interval?   common-def:time-interval-sec
   |  |  |        |  +--rw ospfv3:transmit-delay?        common-def:time-interval-sec
```

```
module: extreme-interface
   +--rw interface
   |  +--rw port-channel [name]
   |  |  +--rw ipv6
   |  |  |  +--rw ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
   |  |  |  |  +--rw ospfv3:interface-area?          ospf:ospf-area-id /*alt-name:"area"*/
   |  |  |  |  +--rw ospfv3:active?                  empty
   |  |  |  |  +--rw ospfv3:passive?                 empty
   |  |  |  |  +--rw ospfv3:bfd
   |  |  |  |  |  +--rw ospfv3:bfd-enable?   empty /*drop-node-name*/
   |  |  |  |  +--rw ospfv3:cost?                    uint32
   |  |  |  |  +--rw ospfv3:instance?                uint32
   |  |  |  |  +--rw ospfv3:mtu-ignore?              empty
   |  |  |  |  +--rw ospfv3:network?                 enumeration
   |  |  |  |  +--rw ospfv3:priority?                uint32
   |  |  |  |  +--rw ospfv3:suppress-linklsa?        empty
   |  |  |  |  +--rw ospfv3:authentication
   |  |  |  |  |  +--rw ospfv3:ipsec-auth-key-config /*drop-node-name*/
   |  |  |  |  |  |  +--rw ospfv3:spi?                     spi-value-type
   |  |  |  |  |  |  +--rw (ch-algorithm)?
   |  |  |  |  |  |     +--:(ca-ah-algorithm)
   |  |  |  |  |  |     |  +--rw ospfv3:ah?                   algorithm-type-ah
   |  |  |  |  |  |     |  +--rw ospfv3:ah-no-encrypt?        empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |  |     |  +--rw ospfv3:ah-key?               ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |  |     +--:(ca-esp-algorithm)
   |  |  |  |  |  |        +--rw ospfv3:esp?                  algorithm-type-esp
   |  |  |  |  |  |        +--rw ospfv3:esp-no-encrypt?       empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |  |        +--rw ospfv3:esp-key?              ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |  |        +--rw ospfv3:esp-auth?             algorithm-type-ah /*drop-node-name*/
   |  |  |  |  |  |        +--rw ospfv3:esp-auth-no-encrypt?  empty /*alt-name:"no-encrypt"*/
   |  |  |  |  |  |        +--rw ospfv3:esp-auth-key?         ipsec-authentication-hexkey-string /*alt-
name:"key"*/
   |  |  |  |  |  +--rw ospfv3:ipsec
   |  |  |  |  |     +--rw ospfv3:ipsec-authentication-disable?  empty /*alt-name:"disable"*/
   |  |  |  |  |     +--rw ospfv3:ifc-key-add-remove-interval?   common-def:time-interval-sec /*alt-
name:"key-add-remove-interval"*/
   |  |  |  |  +--rw ospfv3:link-interval-properties /*drop-node-name*/
   |  |  |  |     +--rw ospfv3:hello-interval?       common-def:time-interval-sec
   |  |  |  |     +--rw ospfv3:dead-interval?        common-def:time-interval-sec
   |  |  |  |     +--rw ospfv3:hello-jitter?         uint32
   |  |  |  |     +--rw ospfv3:retransmit-interval?  common-def:time-interval-sec
   |  |  |  |     +--rw ospfv3:transmit-delay?       common-def:time-interval-sec


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

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


 module: extreme-rbridge
    +--rw rbridge-id [rbridge-id]
       +--rw rbridge-id                              uint32
       +--ro extreme-interface:interface
       |  +--ro intf-loopback:loopback [id]
       |     +--ro ipv6-config:ipv6
       |        +--ro ospfv3:interface-ospfv3-conf /*alt-name:"ospf"*/
       |           +--ro ospfv3:interface-area?             ospf:ospf-area-id /*alt-name:"area"*/
       |           +--ro ospfv3:active?                     empty
       |           +--ro ospfv3:passive?                    empty
       |           +--ro ospfv3:bfd
       |           |  +--ro ospfv3:bfd-enable?   empty
       |           +--ro ospfv3:cost?                       uint32
       |           +--ro ospfv3:instance?                   uint32
       |           +--ro ospfv3:mtu-ignore?                 empty
       |           +--ro ospfv3:network?                    enumeration
       |           +--ro ospfv3:priority?                   uint32
       |           +--ro ospfv3:suppress-linklsa?           empty
       |           +--ro ospfv3:authentication
       |           |  +--ro ospfv3:ipsec-auth-key-config /*drop-node-name*/
       |           |  |  +--ro ospfv3:spi?              spi-value-type
       |           |  |  +--ro (ch-algorithm)?
       |           |  |     +--:(ca-ah-algorithm)
       |           |  |     |  +--ro ospfv3:ah?                     algorithm-type-ah
       |           |  |     |  +--ro ospfv3:ah-no-encrypt?          empty /*alt-name:"no-encrypt"*/
       |           |  |     |  +--ro ospfv3:ah-key?                 ipsec-authentication-hexkey-string /
*alt-name:"key"*/
       |           |  |     +--:(ca-esp-algorithm)
       |           |  |        +--ro ospfv3:esp?                    algorithm-type-esp
       |           |  |        +--ro ospfv3:esp-no-encrypt?         empty /*alt-name:"no-encrypt"*/
       |           |  |        +--ro ospfv3:esp-key?                ipsec-authentication-hexkey-string /
*alt-name:"key"*/
       |           |  |        +--ro ospfv3:esp-auth?               algorithm-type-ah /*drop-node-name*/
       |           |  |        +--ro ospfv3:esp-auth-no-encrypt?    empty /*alt-name:"no-encrypt"*/
       |           |  |        +--ro ospfv3:esp-auth-key?           ipsec-authentication-hexkey-string /
*alt-name:"key"*/
       |           |  +--ro ospfv3:ipsec
       |           |     +--ro ospfv3:ipsec-authentication-disable?   empty /*alt-name:"disable"*/
       |           |     +--ro ospfv3:ifc-key-add-remove-interval?    common-def:time-interval-sec /*alt-
name:"key-add-remove-interval"*/
       |           +--ro ospfv3:link-interval-properties /*drop-node-name*/
       |              +--ro ospfv3:hello-interval?       common-def:time-interval-sec
       |              +--ro ospfv3:dead-interval?        common-def:time-interval-sec
       |              +--ro ospfv3:hello-jitter?         uint32
       |              +--ro ospfv3:retransmit-interval?  common-def:time-interval-sec
       |              +--ro ospfv3:transmit-delay?       common-def:time-interval-sec
```

History

Release version	History

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

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

extreme-pim

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

External augmentations

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


module: extreme-interface
   +--rw interface
   |  +--rw gigabitethernet [name]
   |  |  +--rw ip
   |  |  |  +--rw pim:pim-intf-phy-cont /*drop-node-name*/
   |  |  |     +--rw pim:pim-int-cmd
   |  |  |        +--rw pim:pim-sparse?            empty
   |  |  |        +--rw pim:pim
   |  |  |        |  +--rw pim:neighbor-filter?   ip-prefix-name-t
   |  |  |        |  +--rw pim:dr-priority?       uint32
   |  |  |        +--rw pim:multicast-boundary?   empty


module: extreme-interface
   +--rw interface
   |  +--rw tengigabitethernet [name]
   |  |  +--rw ip
   |  |  |  +--rw pim:pim-intf-phy-cont /*drop-node-name*/
   |  |  |     +--rw pim:pim-int-cmd
   |  |  |        +--rw pim:pim-sparse?            empty
   |  |  |        +--rw pim:pim
   |  |  |        |  +--rw pim:neighbor-filter?   ip-prefix-name-t
   |  |  |        |  +--rw pim:dr-priority?       uint32
   |  |  |        +--rw pim:multicast-boundary?   empty


module: extreme-interface
   +--rw interface
   |  +--rw fortygigabitethernet [name]
   |  |  +--rw ip
   |  |  |  +--rw pim:pim-intf-phy-cont /*drop-node-name*/
   |  |  |     +--rw pim:pim-int-cmd
   |  |  |        +--rw pim:pim-sparse?            empty
   |  |  |        +--rw pim:pim
   |  |  |        |  +--rw pim:neighbor-filter?   ip-prefix-name-t
   |  |  |        |  +--rw pim:dr-priority?       uint32
   |  |  |        +--rw pim:multicast-boundary?   empty
```

```
module: extreme-interface
   +--rw interface
   |  +--rw hundredgigabitethernet [name]
   |  |  +--rw ip
   |  |  |  +--rw pim:pim-intf-phy-cont /*drop-node-name*/
   |  |  |     +--rw pim:pim-int-cmd
   |  |  |        +--rw pim:pim-sparse?               empty
   |  |  |        +--rw pim:pim
   |  |  |        |  +--rw pim:neighbor-filter?   ip-prefix-name-t
   |  |  |        |  +--rw pim:dr-priority?       uint32
   |  |  |        +--rw pim:multicast-boundary?   empty


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

module: extreme-interface
   +--rw interface
   |  +--rw port-channel [name]
   |  |  +--rw ip
   |  |  |  +--rw pim:pim-intf-po-cont
   |  |  |     +--rw pim:pim-int-cmd
   |  |  |        +--rw pim:pim-sparse?               empty
   |  |  |        +--rw pim:pim
   |  |  |        |  +--rw pim:neighbor-filter?   ip-prefix-name-t
   |  |  |        |  +--rw pim:dr-priority?       uint32
   |  |  |        +--rw pim:mcast-bdry-prefix-list?   ip-prefix-name-t
```

History

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

extreme-ras

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

Top-level container

```
module: extreme-ras
  +--rw copy
  |  +--rw support
  |  |  +--ro ftp
  |  |  |  +--ro input
  |  |  |  |  +--ro user         string
  |  |  |  |  +--ro host         string
  |  |  |  |  +--ro directory    directory-path
  |  |  |  |  +--ro password?    string
  |  |  |  |  +--ro rbridge-id?  rbridge-ids-all-type
  |  |  |  |  +--ro timeout?     timeout-value
  |  |  |  |  +--ro module?      string
  |  |  |  |  +--ro linecard?    string
  |  |  |  |  +--ro group?       group-type
  |  |  |  |  +--ro use-vrf?     common-def:vrf-name
  |  |  |  +--ro output
  |  |  |     +--ro supportSaveResult [rbridge-id]
  |  |  |        +--ro rbridge-id    switchidType
  |  |  |        +--ro status-code   copy-support-status
  |  |  |        +--ro status-str?   string
  |  |  +--ro scp
  |  |  |  +--ro input
  |  |  |  |  +--ro user         string
  |  |  |  |  +--ro host         string
  |  |  |  |  +--ro directory    directory-path
  |  |  |  |  +--ro password?    string
  |  |  |  |  +--ro rbridge-id?  rbridge-ids-all-type
  |  |  |  |  +--ro timeout?     timeout-value
  |  |  |  |  +--ro module?      string
  |  |  |  |  +--ro linecard?    string
  |  |  |  |  +--ro group?       group-type
  |  |  |  |  +--ro use-vrf?     common-def:vrf-name
  |  |  |  +--ro output
  |  |  |     +--ro supportSaveResult [rbridge-id]
  |  |  |        +--ro rbridge-id    switchidType
  |  |  |        +--ro status-code   copy-support-status
  |  |  |        +--ro status-str?   string
  |  |  +--ro usb
  |  |     +--ro input
  |  |     |  +--ro directory    string
  |  |     |  +--ro rbridge-id?  rbridge-ids-all-type
  |  |     |  +--ro timeout?     timeout-value
  |  |     |  +--ro module?      string
  |  |     +--ro output
  |  |        +--ro supportSaveResult [rbridge-id]
  |  |           +--ro rbridge-id    switchidType
  |  |           +--ro status-code   copy-support-status
  |  |           +--ro status-str?   string
  |  +--ro support-interactive
  |     +--ro input
  |     +--ro output
  |        +--ro result?   string
  +--rw logging
  |  +--rw raslog
  |  |  +--rw message
  |  |  |  +--rw msgId [msgId]
  |  |  |     +--rw msgId       string
  |  |  |     +--rw severity?   message-severity
  |  |  |     +--rw suppress?   empty
  |  |  |     +--rw syslog?     empty
```

```
|  |  +--rw module
|  |  |  +--rw modId [modId]
|  |  |     +--rw modId    string
|  |  +--rw console?   raslog-console
|  +--rw syslog-server [syslogip use-vrf]
|  |  +--rw syslogip   inet:ip-address
|  |  +--rw use-vrf    common-def:vrf-name
|  |  +--rw secure?    empty
|  |  +--rw port?      uint16
|  +--rw auditlog
|  |  +--rw class [class]
|  |     +--rw class    audit-class
|  +--rw syslog-facility
|  |  +--rw local?   facility-enum
|  +--rw syslog-client
|     +--rw localip    iptype-enum
+--rw destination_console
|  +--rw logging
|     +--rw raslog
|        +--ro console
|           +--ro input
|              +--ro (ras-con)?
|              |  +--:(stop)
|              |  |  +--ro stop          uint32
|              |  +--:(start)
|              |     +--ro start?        empty
|              +--ro rbridge-id?   switchidType
+--rw system
|  +--rw usb
|  |  +--ro on
|  |  |  +--ro input
|  |  |     +--ro rbridge-id?   switchidType
|  |  +--ro off
|  |  |  +--ro input
|  |  |     +--ro rbridge-id?   switchidType
|  |  +--ro dir
|  |  |  +--ro input
|  |  |     +--ro rbridge-id?   switchidType
|  |  +--ro remove
|  |     +--ro input
|  |        +--ro directory     string
|  |        +--ro file          string
|  |        +--ro rbridge-id?   switchidType
|  +--rw switch-attributes
|     +--rw rbridge-id [rbridge-id]
|        +--rw rbridge-id       switchidType-noall
|        +--rw chassis-name?    string
|        +--rw host-name?       string
+--rw support
|  +--rw autoupload-param
|  |  +--rw hostip       inet:ip-address
|  |  +--rw username     string
|  |  +--rw directory    string
|  |  +--rw protocol     string
|  |  +--rw password?    string
|  +--rw support-param
|  |  +--rw hostip       inet:ip-address
|  |  +--rw username     string
|  |  +--rw directory    string
|  |  +--rw protocol     string
|  |  +--rw password?    string
|  +--rw autoupload
|  |  +--rw enable?   empty
|  +--rw ffdc?                  empty
+--rw logtest
|  +--rw raslog
|     +--ro gmsg
|        +--ro input
|           +--ro messageID?    string
+--rw auditlog
|  +--ro gmsg
|     +--ro input
```

```
|           +--ro messageID?    string
+--rw al
   +--ro start
   |  +--ro input
   |  |  +--ro al_start_dummy
   |  |     +--ro app-name    string
   |  |     +--ro restart?    enumeration
   |  |     +--ro command     string
   |  +--ro output
   |     +--ro mesg?    string
   +--ro stop
      +--ro input
      |  +--ro app-name    string
      +--ro output
         +--ro mesg?    string
```

RPCs

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

extreme-ras-ext

Provides a data model for managing RASlog-related information.

Top-level container

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

External augmentations

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

RPCs

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

Actions

Show support information available for upload:

```
module: extreme-common-def
   +--rw show
   |  +--rw ras-extensions:support /*drop-node-name*/
   |  |  +--ro ras-extensions:support
```

```
| |       +--ro ras-extensions:input
| |       | +--ro ras-extensions:rbridge-id?   rbridge-ids-all-type
| |       +--ro ras-extensions:output
```

Copy support details:

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

Return inventory information:

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

Show chassis information:

```
module: extreme-common-def
   +--rw show
   | +--rw ras-extensions:infra /*drop-node-name*/
   | | +--ro ras-extensions:chassis
   | | | +--ro ras-extensions:input
   | | | | +--ro ras-extensions:rbridge-id?   switchid-type
   | | | +--ro ras-extensions:output
   | | |    +--ro ras-extensions:chassis-info [rbridge-id]
   | | |       +--ro ras-extensions:rbridge-id                switchid-type
   | | |       +--ro ras-extensions:switch-type               uint32
   | | |       +--ro ras-extensions:vendor                    string
   | | |       +--ro ras-extensions:vendor-version            string
   | | |       +--ro ras-extensions:supplier-serial-number?   string
   | | |       +--ro ras-extensions:chassis-service-tag?      string
   | | |       +--ro ras-extensions:bay-id?                   string
   | | |       +--ro ras-extensions:vendor-part-number?       string
   | | |       +--ro ras-extensions:extreme-part-number?      string
   | | |       +--ro ras-extensions:max-port?                 int32
   | | |       +--ro ras-extensions:is-ha-enabled?            boolean
   | | |       +--ro ras-extensions:is-ha-redundant?          boolean
   | | |       +--ro ras-extensions:is-ha-heartbeat-up?       boolean
   | | |       +--ro ras-extensions:is-ha-synchronized?       boolean
   | | |       +--ro ras-extensions:ha-recovery?              ha-recovery-type
   | | |       +--ro ras-extensions:fru
   | | |          +--ro ras-extensions:tag                    uint32
   | | |          +--ro ras-extensions:part-number            string
   | | |          +--ro ras-extensions:serial-number          string
   | | |          +--ro ras-extensions:field-replacable       boolean
   | | |          +--ro ras-extensions:slot-number            uint32
   | | |          +--ro ras-extensions:logical-slot-number?   uint32
   | | |          +--ro ras-extensions:blade-type-id?         uint32
   | | |          +--ro ras-extensions:slot-eth-port-cnt?     uint32
   | | |          +--ro ras-extensions:manufacturer-date      xs:date
   | | |          +--ro ras-extensions:update-date            xs:date
```

```
| | |                     +--ro ras-extensions:version                 string
| | |                     +--ro ras-extensions:vendor-equipment-type    fru-type
| | |                     +--ro ras-extensions:operational-status       fru-operational-status
| | |                     +--ro ras-extensions:manufacturer             string
| | |                     +--ro ras-extensions:vendor?                  string
| | |                     +--ro ras-extensions:vendor-part-number?      string
| | |                     +--ro ras-extensions:vendor-serial-number?    string
```

List process information:

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

List processes by memory usage:

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

List processes by CPU usage:

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

Show fan information:

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

Show power information:

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

Show temperature information:

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

Return sensor information:

```
module: extreme-common-def
   +--rw show
   |  +--rw ras-extensions:infra
   |  |  +--rw ras-extensions:environment
   |  |     +--ro ras-extensions:sensor
   |  |     |  +--ro ras-extensions:input
   |  |     |  |  +--ro ras-extensions:rbridge-id?   switchid-type
   |  |     |  +--ro ras-extensions:output
   |  |     |     +--ro ras-extensions:sensor-info [rbridge-id]
   |  |     |        +--ro ras-extensions:rbridge-id    switchid-type
   |  |     |        +--ro ras-extensions:sensor
   |  |     |           +--ro ras-extensions:id               uint32
   |  |     |           +--ro ras-extensions:type             sensor-type
   |  |     |           +--ro ras-extensions:sub-type         uint32
   |  |     |           +--ro ras-extensions:status           sensor-status
   |  |     |           +--ro ras-extensions:current-reading   int32
```

Show history information:

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

Show RASlog entries:

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

Show audit log entries:

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

Clear support information:

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

Clear RASlog:

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

Clear audit log:

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

extreme-rbridge

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

Top-level container

```
module: extreme-rbridge
  +--rw rbridge-id [rbridge-id]
     +--rw rbridge-id                                    uint32
     +--ro swbd-number?                                  int32
     +--rw interface-nodespecific
     |  +--rw ns-vlan?        int32
     |  +--rw ns-ethernet?    int32
     +--rw ip
     |  +--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 dhcp:dhcp
     |  |  +--rw dhcp:relay
     |  |     +--rw dhcp:information
     |  |        +--rw dhcp:option?   empty
     |  +--rw ip-access-list:receive
     |  |  +--rw ip-access-list:access-group
     |  |     +--rw ip-access-list:ip-access-list?   l3-acl-policy-name
     |  |     +--rw ip-access-list:ip-direction?     enumeration
     |  +--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: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: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: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:extcommunity-list [extcommunity-list-num]
     |  |  +--rw ip-policy:extcommunity-list-num    extcommunitylist-instance
     |  |  +--rw ip-policy:ext-community-action?    action-t
     |  |  +--rw ip-policy:ext-community-regex?     extcommunity-list-reg-expr-t
     |  |  +--rw ip-policy:ext-community-expr?      extcommunity-list-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: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                  string
      |  |       |  +--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                  string
      |  |       |  +--rw rtm:static-route-oif-type         enumeration
      |  |       |  +--rw rtm:static-route-oif-name         string
      |  |       +--rw rtm:static-route-oif [static-route-dest static-route-oif-type static-route-oif-
   name]
      |  |       |  +--rw rtm:static-route-dest      inet:ipv4-prefix
      |  |       |  +--rw rtm:static-route-oif-type  enumeration
      |  |       |  +--rw rtm:static-route-oif-name  string
      |  |       |  +--rw rtm:route-attributes
      |  |       |     +--rw rtm:metric?    uint32
      |  |       |     +--rw rtm:distance?  uint32
      |  |       |     +--rw rtm:tag?       uint32
      |  |       +--rw rtm:static
      |  |          +--rw rtm:bfd
      |  |             +--rw rtm:bfd-static-route [bfd-static-route-dest bfd-static-route-src]
      |  |             |  +--rw rtm:bfd-static-route-dest     inet:ipv4-address
      |  |             |  +--rw rtm:bfd-static-route-src      inet:ipv4-address
      |  |             |  +--rw rtm:bfd-interval-attributes
      |  |             |     +--rw rtm:interval?   uint16
      |  |             |     +--rw rtm:min-rx?     uint16
      |  |             |     +--rw rtm:multiplier? uint8
      |  |             +--rw rtm:holdover-interval?  uint8
      |  +--rw rtm: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 ospfv3:ospf [vrf]
      |  |     +--rw ospfv3:vrf                              common-def:vrf-name
      |  |     +--rw ospfv3:area [area-id]
      |  |     |  +--rw ospfv3:area-id          ospf:ospf-area-id
      |  |     |  +--rw ospfv3:normal?          empty
      |  |     |  +--rw ospfv3:nssa?
      |  |     |  |  +--rw ospfv3:metric
      |  |     |  |  |  +--rw ospfv3:nssa-area-metric?   uint32
      |  |     |  |  +--rw ospfv3:area-default-information-originate?
      |  |     |  |  |  +--rw ospfv3:area-default-information-originate-metric?       uint32
      |  |     |  |  |  +--rw ospfv3:area-default-information-originate-metric-type?  ospf:metric-type
      |  |     |  |  +--rw ospfv3:no-redistribution?                   empty
      |  |     |  |  +--rw ospfv3:nssa-area-no-summary?                empty
      |  |     |  |  +--rw ospfv3:translator-always?                   empty
      |  |     |  |  +--rw ospfv3:translator-interval?                 common-def:time-interval-sec
      |  |     |  +--rw ospfv3:stub
      |  |     |  |  +--rw ospfv3:stub-area-no-summary?  empty
      |  |     |  |  +--rw ospfv3:stub-area-metric?      uint32
      |  |     |  +--rw ospfv3:authentication
      |  |     |  |  +--rw ospfv3:ipsec-auth-key-config
      |  |     |  |     +--rw ospfv3:spi?                 spi-value-type
      |  |     |  |     +--rw (ch-algorithm)?
      |  |     |  |        +--:(ca-ah-algorithm)
      |  |     |  |        |  +--rw ospfv3:ah?                 algorithm-type-ah
      |  |     |  |        |  +--rw ospfv3:ah-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: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: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: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:key-add-remove-interval?                    common-def:time-interval-sec
| |     +--rw ospfv3:key-rollover-interval?                      common-def:time-interval-sec
| |     +--rw ospfv3:log-status-change?                          empty
| |     +--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-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 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 ip-forward:ipv6route
| | +--rw ip-forward:route [dest]
| |    +--rw ip-forward:dest       inet:ipv6-prefix
| |    +--rw (next)
| |       +--:(ipv6-hop)
| |          +--rw ip-forward:next-hop?   inet:ipv6-address
| +--rw ipv6-access-list:receive
| | +--rw ipv6-access-list:access-group
| |    +--rw ipv6-access-list:ipv6-access-list?   ipv6-l3-acl-policy-name
| |    +--rw ipv6-access-list:ip-direction?       enumeration
| +--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: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 ipv6-nd-ra:ipv6-global-cmds
| | +--rw ipv6-nd-ra:nd-global
| |    +--rw ipv6-nd-ra:dad
| |       +--rw ipv6-nd-ra:global-dad-time?   common-def:time-interval-sec
| +--rw ipv6-route:route
| | +--rw ipv6-route:static-route-nh [static-route-dest static-route-next-hop]
| | | +--rw ipv6-route:static-route-dest       inet:ipv6-prefix
| | | +--rw ipv6-route:static-route-next-hop   inet:ipv6-address
| | | +--rw ipv6-route:route-attributes
| | |    +--rw ipv6-route:metric?     uint32
| | |    +--rw ipv6-route:distance?   uint32
| | |    +--rw ipv6-route:tag?        uint32
| | +--rw ipv6-route:static-route-oif [static-route-dest static-route-oif-type static-route-oif-
    name]
| | | +--rw ipv6-route:static-route-dest       inet:ipv6-prefix
| | | +--rw ipv6-route:static-route-oif-type     enumeration
```

```
        |  |  |     +--rw ipv6-route:static-route-oif-name    string
        |  |  |  +--rw ipv6-route:route-attributes
        |  |  |     +--rw ipv6-route:metric?     uint32
        |  |  |     +--rw ipv6-route:distance?   uint32
        |  |  |     +--rw ipv6-route:tag?        uint32
        |  |  +--rw ipv6-route:link-local-static-route-nh [link-local-static-route-dest link-local-
    nexthop link-local-route-oif-type link-local-route-oif-name]
        |  |  |  +--rw ipv6-route:link-local-static-route-dest    inet:ipv6-prefix
        |  |  |  +--rw ipv6-route:link-local-nexthop              inet:ipv6-address
        |  |  |  +--rw ipv6-route:link-local-route-oif-type       enumeration
        |  |  |  +--rw ipv6-route:link-local-route-oif-name       string
        |  |  |  +--rw ipv6-route:route-attributes
        |  |  |     +--rw ipv6-route:metric?     uint32
        |  |  |     +--rw ipv6-route:distance?   uint32
        |  |  |     +--rw ipv6-route:tag?        uint32
        |  |  +--rw ipv6-route:static-route-nh-vrf [static-route-next-vrf-dest next-hop-vrf static-route-
    next-hop]
        |  |  |  +--rw ipv6-route:static-route-next-vrf-dest    inet:ipv6-prefix
        |  |  |  +--rw ipv6-route:next-hop-vrf                  string
        |  |  |  +--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                  string
        |  |  |  +--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                  string
        |  |  |  +--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: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 vrrpv3:proto-vrrpv3
        |     +--rw vrrpv3:vrrp?            empty
        |     +--rw vrrpv3:vrrp-extended?   empty
        +--rw router
        |  +--rw bgp:router-bgp?
        |  |  +--rw bgp:router-bgp-attributes
        |  |  |  +--rw bgp:local-as?                     local-as-type
        |  |  |  +--rw bgp:always-compare-med?           empty
        |  |  |  +--rw bgp:compare-med-empty-aspath?     empty
        |  |  |  +--rw bgp:med-missing-as-worst?         empty
        |  |  |  +--rw bgp:as-path-ignore?               empty
        |  |  |  +--rw bgp:compare-routerid?             empty
        |  |  |  +--rw bgp:install-igp-cost?             empty
        |  |  |  +--rw bgp:cluster-id
```

```
| | | | +--rw (ch-cluster-id)?
| | | | +--:(ca-cluster-id)
| | | | | +--rw bgp:cluster-id-value?          decimal-number
| | | | +--:(ca-cluster-id-ipv4-address)
| | | | +--rw bgp:cluster-id-ipv4-address?  inet:ipv4-address
| | | +--rw bgp:default-local-preference?      local-preference-number
| | | +--rw bgp:distance
| | | | +--rw bgp:ext-route-distance?   ext-route-distance
| | | | +--rw bgp:int-route-distance?   int-route-distance
| | | | +--rw bgp:lcl-route-distance?   lcl-route-distance
| | | +--rw bgp:capability
| | | | +--rw bgp:as4-enable?   empty
| | | +--rw bgp: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:log-dampening-debug?           empty
| | | +--rw bgp:confederation
| | | | +--rw bgp:identifier?   cidentifier
| | | | +--rw bgp:peers*        cidentifier
| | | +--rw bgp:bfd
| | | | +--rw bgp:holdover-interval?   bfd:bfd-holdover-interval
| | | | +--rw bgp:interval
| | | |    +--rw bgp:min-tx?       bfd-tx-interval-type
| | | |    +--rw bgp:min-rx?       bfd-rx-interval-type
| | | |    +--rw bgp:multiplier?   bfd-multiplier-type
| | | +--rw bgp:auto-shutdown-new-neighbors?   empty
| | | +--rw bgp:listen-limit?                  listen-limit-type
| | | +--rw bgp:neighbor
| | | | +--rw bgp:peer-grps
| | | | | +--rw bgp:neighbor-peer-grp [router-bgp-neighbor-peer-grp]
| | | | |    +--rw bgp:router-bgp-neighbor-peer-grp   bgp-peergroup
| | | | |    +--rw bgp:peer-group-name?               empty
| | | | |    +--rw bgp:remote-as?                     bgp-remote-as
| | | | |    +--rw bgp:alternate-as
| | | | |    | +--rw bgp:add?       bgp-alternate-as
| | | | |    | +--rw bgp:remove?    bgp-alternate-as
| | | | |    +--rw bgp:update-source
| | | | |    | +--rw (ch-update-source)?
| | | | |    |    +--:(ca-ipv4)
| | | | |    |    | +--rw bgp:sip-ipv4-address?    sip-ipv4-address
| | | | |    |    +--:(ca-ipv6)
| | | | |    |    | +--rw bgp:sip-ipv6-address?    sip-ipv6-address
| | | | |    |    +--:(ca-eth)
| | | | |    |    | +--rw bgp:ethernet-interface
| | | | |    |    |    +--rw bgp:interface-type?   enumeration
| | | | |    |    |    +--rw bgp:ethernet?         interface:interface-type
| | | | |    |    +--:(ca-port-channel)
| | | | |    |    | +--rw bgp:port-channel?         interface:portchannel-type
| | | | |    |    +--:(ca-loopback)
| | | | |    |    | +--rw bgp:loopback?             loopback-interface
| | | | |    |    +--:(ca-ve)
| | | | |    |       +--rw bgp:ve-interface?         interface:ve-type
| | | | |    +--rw bgp:accept-lldp-neighbors?   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 (ch-next-hop-self-type)?
| | | | |    |    +--:(ca-next-hop-self-always)
| | | | |    |    | +--rw bgp:next-hop-self-always?   empty
| | | | |    |    +--:(ca-next-hop-self-status)
| | | | |    |       +--rw bgp:next-hop-self-status?   empty
| | | | |    +--rw bgp:advertisement-interval
| | | | |    | +--rw bgp:value?   adv-value
| | | | |    +--rw bgp:ebgp-btsh?                      empty
| | | | |    +--rw bgp:ebgp-multihop
```

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

```
| | | | |      |      |      +--:(ca-next-hop-self-always)
| | | | |      |      |      | +--rw bgp:next-hop-self-always?   empty
| | | | |      |      |      +--:(ca-next-hop-self-status)
| | | | |      |      |         +--rw bgp:next-hop-self-status?   empty
| | | | |      +--rw bgp:advertisement-interval
| | | | |      | +--rw bgp:value?   adv-value
| | | | |      +--rw bgp:ebgp-btsh?                              empty
| | | | |      +--rw bgp:ebgp-multihop
| | | | |      | +--rw (ch-ebgp-multihop-type)?
| | | | |      |    +--:(ca-ebgp-multihop-flag)
| | | | |      |    | +--rw bgp:ebgp-multihop-flag?   empty
| | | | |      |    +--:(ca-ebgp-multihop-count)
| | | | |      |       +--rw bgp:ebgp-multihop-count?   uint32
| | | | |      +--rw bgp:password?                               bgp-password
| | | | |      +--rw bgp:enforce-first-as
| | | | |      | +--rw bgp:nei-enforce-first-as?           empty
| | | | |      | +--rw bgp:nei-enforce-first-as-disable?   empty
| | | | |      +--rw bgp:timers
| | | | |      | +--rw bgp:nei-keep-alive?   nei-keep-alive
| | | | |      | +--rw bgp:nei-hold-time?    nei-hold-time
| | | | |      +--rw bgp: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:maxas-limit
| | | | |      | +--rw bgp:in
| | | | |      |    +--rw (ch-maxas-limit)?
| | | | |      |       +--:(ca-maxas-limit-enable)
| | | | |      |       | +--rw bgp:num-as-in-as-path?    num-as-in-as-path
| | | | |      |       +--:(ca-maxas-limit-disable)
| | | | |      |          +--rw bgp:maxas-limit-disable?   empty
| | | | |      +--rw bgp:graceful-shutdown
| | | | |      | +--rw bgp:gshut-timer-value?        bgp-gshut-timer
| | | | |      | +--rw (ch-gshut-options)?
| | | | |      |    +--:(ca-gshut-timer-route-map)
| | | | |      |    | +--rw bgp:gshut-route-map?          rmap-type
| | | | |      |    +--:(ca-gshut-timer-attributes)
| | | | |      |       +--rw bgp:gshut-timer-attributes
| | | | |      |          +--rw bgp:gshut-local-pref?   bgp-gshut-local-pref
| | | | |      |          +--rw bgp:gshut-community?    bgp-gshut-community
| | | | |      +--rw bgp:af-neighbor-capability
| | | | |      | +--rw bgp:as4
| | | | |      |    +--rw bgp:neighbor-as4-enable?    empty
| | | | |      |    +--rw bgp:neighbor-as4-disable?   empty
| | | | |      +--rw bgp:shutdown
| | | | |         +--rw bgp:shutdown-status?    empty
| | | | |         +--rw bgp:generate-rib-out?   empty
| | | | +--rw bgp:neighbor-ips
| | | |    +--rw bgp:neighbor-addr [router-bgp-neighbor-address]
| | | |       +--rw bgp:router-bgp-neighbor-address    inet:ipv4-address
| | | |       +--rw bgp:remote-as?                     bgp-remote-as
| | | |       +--rw bgp:associate-peer-group?          bgp-peergroup
| | | |       +--rw bgp:update-source
| | | |       | +--rw (ch-update-source)?
| | | |       |    +--:(ca-ipv4)
| | | |       |    | +--rw bgp:sip-ipv4-address?     sip-ipv4-address
| | | |       |    +--:(ca-eth)
| | | |       |    | +--rw bgp:ethernet-interface
| | | |       |    |    +--rw bgp:interface-type?   enumeration
| | | |       |    |    +--rw bgp:ethernet?         interface:interface-type
| | | |       |    +--:(ca-port-channel)
| | | |       |    | +--rw bgp:port-channel?         interface:portchannel-type
| | | |       |    +--:(ca-loopback)
| | | |       |    | +--rw bgp:loopback?             loopback-interface
```

```
|  |  |  |  |             |     +--:(ca-ve)
|  |  |  |  |             |        +--rw bgp:ve-interface?         interface:ve-type
|  |  |  |  |         +--rw bgp:description?                  neighbor-description
|  |  |  |  |         +--rw bgp:local-as
|  |  |  |  |         |  +--rw bgp:local-as-value?   local-as-num
|  |  |  |  |         |  +--rw bgp:no-prepend?       empty
|  |  |  |  |         +--rw bgp:next-hop-self
|  |  |  |  |         |  +--rw (ch-next-hop-self-type)?
|  |  |  |  |         |     +--:(ca-next-hop-self-always)
|  |  |  |  |         |     |  +--rw bgp:next-hop-self-always?   empty
|  |  |  |  |         |     +--:(ca-next-hop-self-status)
|  |  |  |  |         |        +--rw bgp:next-hop-self-status?   empty
|  |  |  |  |         +--rw bgp:advertisement-interval
|  |  |  |  |         |  +--rw bgp:value?   adv-value
|  |  |  |  |         +--rw bgp:ebgp-btsh?                    empty
|  |  |  |  |         +--rw bgp:ebgp-multihop
|  |  |  |  |         |  +--rw (ch-ebgp-multihop-type)?
|  |  |  |  |         |     +--:(ca-ebgp-multihop-flag)
|  |  |  |  |         |     |  +--rw bgp:ebgp-multihop-flag?    empty
|  |  |  |  |         |     +--:(ca-ebgp-multihop-count)
|  |  |  |  |         |        +--rw bgp:ebgp-multihop-count?   uint32
|  |  |  |  |         +--rw bgp:password?                     bgp-password
|  |  |  |  |         +--rw bgp:enforce-first-as
|  |  |  |  |         |  +--rw bgp:nei-enforce-first-as?         empty
|  |  |  |  |         |  +--rw bgp:nei-enforce-first-as-disable?  empty
|  |  |  |  |         +--rw bgp:timers
|  |  |  |  |         |  +--rw bgp:nei-keep-alive?   nei-keep-alive
|  |  |  |  |         |  +--rw bgp:nei-hold-time?    nei-hold-time
|  |  |  |  |         +--rw bgp: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:maxas-limit
|  |  |  |  |         |  +--rw bgp:in
|  |  |  |  |         |     +--rw (ch-maxas-limit)?
|  |  |  |  |         |        +--:(ca-maxas-limit-enable)
|  |  |  |  |         |        |  +--rw bgp:num-as-in-as-path?     num-as-in-as-path
|  |  |  |  |         |        +--:(ca-maxas-limit-disable)
|  |  |  |  |         |           +--rw bgp:maxas-limit-disable?   empty
|  |  |  |  |         +--rw bgp:graceful-shutdown
|  |  |  |  |         |  +--rw bgp:gshut-timer-value?          bgp-gshut-timer
|  |  |  |  |         |  +--rw (ch-gshut-options)?
|  |  |  |  |         |     +--:(ca-gshut-timer-route-map)
|  |  |  |  |         |     |  +--rw bgp:gshut-route-map?          rmap-type
|  |  |  |  |         |     +--:(ca-gshut-timer-attributes)
|  |  |  |  |         |        +--rw bgp:gshut-timer-attributes
|  |  |  |  |         |           +--rw bgp:gshut-local-pref?  bgp-gshut-local-pref
|  |  |  |  |         |           +--rw bgp:gshut-community?   bgp-gshut-community
|  |  |  |  |         +--rw bgp:af-neighbor-capability
|  |  |  |  |         |  +--rw bgp:as4
|  |  |  |  |         |     +--rw bgp:neighbor-as4-enable?   empty
|  |  |  |  |         |     +--rw bgp:neighbor-as4-disable?  empty
|  |  |  |  |         +--rw bgp:shutdown
|  |  |  |  |            +--rw bgp:shutdown-status?    empty
|  |  |  |  |            +--rw bgp:generate-rib-out?   empty
|  |  |  +--rw bgp: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:graceful-shutdown
|  |  |     +--rw bgp:gshut-timer-value?         bgp-gshut-timer
|  |  |     +--rw (ch-gshut-options)?
|  |  |        +--:(ca-gshut-timer-route-map)
|  |  |        |  +--rw bgp:gshut-route-map?          rmap-type
```

```
|  |  |          +--:(ca-gshut-timer-attributes)
|  |  |             +--rw bgp:gshut-timer-attributes
|  |  |                +--rw bgp:gshut-local-pref?   bgp-gshut-local-pref
|  |  |                +--rw bgp:gshut-community?    bgp-gshut-community
|  +--rw bgp: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:static
|  |     |     |  |        +--rw bgp:redistribute-static?     empty
|  |     |     |  |        +--rw bgp:unicast-static-metric?   conn-metric
|  |     |     |  |        +--rw bgp:static-route-map?         rmap-type
|  |     |     |  +--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:both?                    empty
|  |     |     |  |  |     |  +--rw bgp:extended?                empty
|  |     |     |  |  |     |  +--rw bgp:standard?                empty
|  |     |     |  |  |     +--rw bgp:af-neighbor-capability
|  |     |     |  |  |     |  +--rw bgp:orf
|  |     |     |  |  |     |  |  +--rw bgp:prefixlist
|  |     |     |  |  |     |  |     +--rw bgp:prefixlist-status?    empty
|  |     |     |  |  |     |  |     +--rw bgp:prefixlist-send?      empty
|  |     |     |  |  |     |  |     +--rw bgp:prefixlist-receive?   empty
|  |     |     |  |  |     |  +--rw bgp:additional-paths
|  |     |     |  |  |     |     +--rw bgp:add-path-both?   empty
|  |     |     |  |  |     |     +--rw bgp:send?            empty
|  |     |     |  |  |     |     +--rw bgp:receive?         empty
|  |     |     |  |  |     +--rw bgp:additional-paths
|  |     |     |  |  |     |  +--rw bgp:advertise
|  |     |     |  |  |     |     +--rw (ch-additional-paths)?
|  |     |     |  |  |     |        +--:(ca-best)
|  |     |     |  |  |     |        |  +--rw bgp:best?   additional-paths-best
|  |     |     |  |  |     |        +--:(ca-all)
```

```
| |      |      | | |      |               +--rw bgp:all?    empty
| |      |      | | |      +--rw bgp:activate?                         empty
| |      |      | | |      +--rw bgp:allowas-in?                       uint32
| |      |      | | |      +--rw bgp:enable-peer-as-check?             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: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: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: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:both?                    empty
| |      |      | |       |  +--rw bgp:extended?                empty
| |      |      | |       |  +--rw bgp:standard?                empty
| |      |      | |       +--rw bgp:af-neighbor-capability
| |      |      | |       |  +--rw bgp:orf
| |      |      | |       |  |  +--rw bgp:prefixlist
| |      |      | |       |  |     +--rw bgp:prefixlist-status?    empty
| |      |      | |       |  |     +--rw bgp:prefixlist-send?      empty
| |      |      | |       |  |     +--rw bgp:prefixlist-receive?   empty
| |      |      | |       |  +--rw bgp:additional-paths
| |      |      | |       |     +--rw bgp:add-path-both?   empty
| |      |      | |       |     +--rw bgp:send?            empty
| |      |      | |       |     +--rw bgp:receive?         empty
| |      |      | |       +--rw bgp:additional-paths
| |      |      | |       |  +--rw bgp:advertise
| |      |      | |       |     +--rw (ch-additional-paths)?
| |      |      | |       |        +--:(ca-best)
| |      |      | |       |        |  +--rw bgp:best?   additional-paths-best
| |      |      | |       |        +--:(ca-all)
| |      |      | |       |           +--rw bgp:all?    empty
| |      |      | |       +--rw bgp:activate?                         empty
| |      |      | |       +--rw bgp:allowas-in?                       uint32
| |      |      | |       +--rw bgp:enable-peer-as-check?             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: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: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:af-common-cmds-holder
|  |     |     |  |  +--rw bgp:maximum-paths
|  |     |     |  |  |  +--rw bgp:load-sharing-value?   uint32
|  |     |     |  |  |  +--rw bgp:ebgp?                 ebgp-paths
|  |     |     |  |  |  +--rw bgp:ibgp?                 ibgp-paths
|  |     |     |  |  |  +--rw bgp:use-load-sharing?     empty
|  |     |     |  |  +--rw bgp:multipath
|  |     |     |  |  |  +--rw bgp:multipath_ebgp?   empty
|  |     |     |  |  |  +--rw bgp:multipath_ibgp?   empty
|  |     |     |  |  |  +--rw bgp:multi-as?         empty
|  |     |     |  |  +--rw bgp:always-propagate?              empty
|  |     |     |  |  +--rw bgp:default-information-originate?  empty
|  |     |     |  |  +--rw bgp:rib-route-limit?               rib-route-number
|  |     |     |  |  +--rw bgp:client-to-client-reflection?   empty
|  |     |     |  |  +--rw bgp:dampening
|  |     |     |  |  |  +--rw (ch-dampening-source)?
|  |     |     |  |  |     +--:(ca-dampening-flag)
|  |     |     |  |  |     |  +--rw bgp:dampening-flag?        empty
|  |     |     |  |  |     +--:(ca-dampening-specify-values)
|  |     |     |  |  |     |  +--rw bgp:values
|  |     |     |  |  |     |     +--rw bgp:half-time?            htime
|  |     |     |  |  |     |     +--rw bgp:reuse-value?          damp-reuse-value
|  |     |     |  |  |     |     +--rw bgp:start-suppress-time?  damp-start-suppress-value
|  |     |     |  |  |     |     +--rw bgp:max-suppress-time?    damp-max-suppress-value
|  |     |     |  |  |     +--:(ca-dampening-route-map)
|  |     |     |  |  |        +--rw bgp:dampening-route-map?   rmap-type
|  |     |     |  |  +--rw bgp:default-metric?                default-metric-number
|  |     |     |  |  +--rw bgp:next-hop-enable-default?       empty
|  |     |     |  |  +--rw bgp:table-map
|  |     |     |  |  |  +--rw bgp:table-map-route-map?   rmap-type
|  |     |     |  |  +--rw bgp:update-time?                   update-time-type
|  |     |     |  |  +--rw bgp:graceful-restart
|  |     |     |  |     +--rw bgp:graceful-restart-status?  empty
|  |     |     |  |     +--rw bgp:restart-time?             rtime-type
|  |     |     |  |     +--rw bgp:purge-time?               ptime-type
|  |     |     |  |     +--rw bgp:stale-routes-time?        st-time-type
|  |     |     |  +--rw bgp:next-hop-recursion?                 empty
|  |     |     +--rw bgp:af-vrf [af-vrf-name]
|  |     |        +--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: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:static
|  |    |        |        +--rw bgp:redistribute-static?     empty
|  |    |        |        +--rw bgp:unicast-static-metric?   conn-metric
|  |    |        |        +--rw bgp:static-route-map?        rmap-type
|  |    |        +--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:activate?                   empty
|  |    |        |        +--rw bgp:allowas-in?                 uint32
|  |    |        |        +--rw bgp:enable-peer-as-check?       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: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: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: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:additional-paths
   |   |        |        |                      |     +--rw bgp:add-path-both?   empty
   |   |        |        |                      |     +--rw bgp:send?            empty
   |   |        |        |                      |     +--rw bgp:receive?         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 (ch-next-hop-self-type)?
   |   |        |        |                      |     +--:(ca-next-hop-self-always)
   |   |        |        |                      |     |  +--rw bgp:next-hop-self-always?   empty
   |   |        |        |                      |     +--:(ca-next-hop-self-status)
   |   |        |        |                      |        +--rw bgp:next-hop-self-status?   empty
   |   |        |        |                      +--rw bgp:advertisement-interval
   |   |        |        |                      |  +--rw bgp:value?   adv-value
   |   |        |        |                      +--rw bgp:ebgp-btsh?                  empty
   |   |        |        |                      +--rw bgp:ebgp-multihop
   |   |        |        |                      |  +--rw (ch-ebgp-multihop-type)?
   |   |        |        |                      |     +--:(ca-ebgp-multihop-flag)
   |   |        |        |                      |     |  +--rw bgp:ebgp-multihop-flag?    empty
   |   |        |        |                      |     +--:(ca-ebgp-multihop-count)
   |   |        |        |                      |        +--rw bgp:ebgp-multihop-count?   uint32
   |   |        |        |                      +--rw bgp:password?                   bgp-password
   |   |        |        |                      +--rw bgp:enforce-first-as
   |   |        |        |                      |  +--rw bgp:nei-enforce-first-as?          empty
   |   |        |        |                      |  +--rw bgp:nei-enforce-first-as-disable?   empty
   |   |        |        |                      +--rw bgp:timers
   |   |        |        |                      |  +--rw bgp:nei-keep-alive?   nei-keep-alive
   |   |        |        |                      |  +--rw bgp:nei-hold-time?    nei-hold-time
   |   |        |        |                      +--rw bgp: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:maxas-limit
```

```
| |     |        |        |          | +--rw bgp:in
| |     |        |        |          |    +--rw (ch-maxas-limit)?
| |     |        |        |          |       +--:(ca-maxas-limit-enable)
| |     |        |        |          |       | +--rw bgp:num-as-in-as-path?     num-as-in-as-path
| |     |        |        |          |       +--:(ca-maxas-limit-disable)
| |     |        |        |          |          +--rw bgp:maxas-limit-disable?   empty
| |     |        |        +--rw bgp:update-source
| |     |        |        | +--rw (ch-update-source)?
| |     |        |        |    +--:(ca-ipv4)
| |     |        |        |    | +--rw bgp:sip-ipv4-address?     sip-ipv4-address
| |     |        |        |    +--:(ca-eth)
| |     |        |        |    | +--rw bgp:ethernet-interface
| |     |        |        |    |    +--rw bgp:interface-type?   enumeration
| |     |        |        |    |    +--rw bgp:ethernet?         interface:interface-type
| |     |        |        |    +--:(ca-port-channel)
| |     |        |        |    | +--rw bgp:port-channel?         interface:portchannel-type
| |     |        |        |    +--:(ca-loopback)
| |     |        |        |    | +--rw bgp:loopback?             loopback-interface
| |     |        |        |    +--:(ca-ve)
| |     |        |        |       +--rw bgp:ve-interface?         interface:ve-type
| |     |        |        +--rw bgp:additional-paths
| |     |        |        | +--rw bgp:advertise
| |     |        |        |    +--rw (ch-additional-paths)?
| |     |        |        |       +--:(ca-best)
| |     |        |        |       | +--rw bgp:best?   additional-paths-best
| |     |        |        |       +--:(ca-all)
| |     |        |        |          +--rw bgp:all?     empty
| |     |        |        +--rw bgp:send-community
| |     |        |           +--rw bgp:send-community-status?   empty
| |     |        |           +--rw bgp:both?                   empty
| |     |        |           +--rw bgp:extended?               empty
| |     |        |           +--rw bgp:standard?               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 (ch-dampening-source)?
| |     |        |    +--:(ca-dampening-flag)
| |     |        |    | +--rw bgp:dampening-flag?         empty
| |     |        |    +--:(ca-dampening-specify-values)
| |     |        |    | +--rw bgp:values
| |     |        |    |    +--rw bgp:half-time?           htime
| |     |        |    |    +--rw bgp:reuse-value?          damp-reuse-value
| |     |        |    |    +--rw bgp:start-suppress-time?  damp-start-suppress-value
| |     |        |    |    +--rw bgp:max-suppress-time?    damp-max-suppress-value
| |     |        |    +--:(ca-dampening-route-map)
| |     |        |       +--rw bgp:dampening-route-map?   rmap-type
| |     |        +--rw bgp:default-metric?                       default-metric-number
| |     |        +--rw bgp:next-hop-enable-default?               empty
| |     |        +--rw bgp:table-map
| |     |        | +--rw bgp:table-map-route-map?   rmap-type
| |     |        +--rw bgp:update-time?                           update-time-type
| | +--rw bgp: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:static
| |    |      | |      +--rw bgp:redistribute-static?     empty
| |    |      | |      +--rw bgp:unicast-static-metric?   conn-metric
| |    |      | |      +--rw bgp:static-route-map?        rmap-type
| |    |      | +--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:both?                    empty
| |    |      | | |   | +--rw bgp:extended?                empty
| |    |      | | |   | +--rw bgp:standard?                empty
| |    |      | | |   +--rw bgp:af-neighbor-capability
| |    |      | | |   | +--rw bgp:orf
| |    |      | | |   | | +--rw bgp:prefixlist
| |    |      | | |   | |   +--rw bgp:prefixlist-status?    empty
| |    |      | | |   | |   +--rw bgp:prefixlist-send?      empty
| |    |      | | |   | |   +--rw bgp:prefixlist-receive?   empty
| |    |      | | |   | +--rw bgp:additional-paths
| |    |      | | |   |   +--rw bgp:add-path-both?   empty
| |    |      | | |   |   +--rw bgp:send?            empty
| |    |      | | |   |   +--rw bgp:receive?         empty
| |    |      | | |   +--rw bgp:additional-paths
| |    |      | | |   | +--rw bgp:advertise
| |    |      | | |   |   +--rw (ch-additional-paths)?
| |    |      | | |   |     +--:(ca-best)
| |    |      | | |   |     | +--rw bgp:best?   additional-paths-best
| |    |      | | |   |     +--:(ca-all)
| |    |      | | |   |       +--rw bgp:all?    empty
| |    |      | | |   +--rw bgp:activate?                         empty
| |    |      | | |   +--rw bgp:allowas-in?                       uint32
| |    |      | | |   +--rw bgp:enable-peer-as-check?             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: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: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: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:both?                    empty
| | |       | |      | +--rw bgp:extended?                empty
| | |       | |      | +--rw bgp:standard?                empty
| | |       | |      +--rw bgp:af-neighbor-capability
| | |       | |      | +--rw bgp:orf
| | |       | |      | | +--rw bgp:prefixlist
| | |       | |      | |    +--rw bgp:prefixlist-status?    empty
| | |       | |      | |    +--rw bgp:prefixlist-send?      empty
| | |       | |      | |    +--rw bgp:prefixlist-receive?   empty
| | |       | |      | +--rw bgp:additional-paths
| | |       | |      |    +--rw bgp:add-path-both?   empty
| | |       | |      |    +--rw bgp:send?            empty
| | |       | |      |    +--rw bgp:receive?         empty
| | |       | |      +--rw bgp:additional-paths
| | |       | |      | +--rw bgp:advertise
| | |       | |      |    +--rw (ch-additional-paths)?
| | |       | |      |       +--:(ca-best)
| | |       | |      |       | +--rw bgp:best?   additional-paths-best
| | |       | |      |       +--:(ca-all)
| | |       | |      |          +--rw bgp:all?    empty
| | |       | |      +--rw bgp:activate?                empty
| | |       | |      +--rw bgp:allowas-in?              uint32
| | |       | |      +--rw bgp:enable-peer-as-check?    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: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: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:af-common-cmds-holder
| |      |      |   +--rw bgp:maximum-paths
| |      |      |   | +--rw bgp:load-sharing-value?   uint32
| |      |      |   | +--rw bgp:ebgp?                 ebgp-paths
| |      |      |   | +--rw bgp:ibgp?                 ibgp-paths
| |      |      |   | +--rw bgp:use-load-sharing?     empty
| |      |      |   +--rw bgp:multipath
| |      |      |   | +--rw bgp:multipath_ebgp?   empty
| |      |      |   | +--rw bgp:multipath_ibgp?   empty
| |      |      |   | +--rw bgp:multi-as?         empty
| |      |      |   +--rw bgp:always-propagate?                 empty
| |      |      |   +--rw bgp:default-information-originate?   empty
| |      |      |   +--rw bgp:rib-route-limit?                  rib-route-number
| |      |      |   +--rw bgp:client-to-client-reflection?     empty
| |      |      |   +--rw bgp:dampening
| |      |      |   | +--rw (ch-dampening-source)?
| |      |      |   |    +--:(ca-dampening-flag)
| |      |      |   |    | +--rw bgp:dampening-flag?        empty
| |      |      |   |    +--:(ca-dampening-specify-values)
| |      |      |   |    | +--rw bgp:values
| |      |      |   |    |    +--rw bgp:half-time?              htime
| |      |      |   |    |    +--rw bgp:reuse-value?            damp-reuse-value
| |      |      |   |    |    +--rw bgp:start-suppress-time?    damp-start-suppress-value
| |      |      |   |    |    +--rw bgp:max-suppress-time?      damp-max-suppress-value
| |      |      |   |    +--:(ca-dampening-route-map)
| |      |      |   |       +--rw bgp:dampening-route-map?   rmap-type
| |      |      |   +--rw bgp:default-metric?                   default-metric-number
| |      |      |   +--rw bgp:next-hop-enable-default?          empty
| |      |      |   +--rw bgp:table-map
| |      |      |   | +--rw bgp:table-map-route-map?   rmap-type
| |      |      |   +--rw bgp:update-time?                      update-time-type
| |      |      |   +--rw bgp:graceful-restart
| |      |      |      +--rw bgp:graceful-restart-status?   empty
| |      |      |      +--rw bgp:restart-time?              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:af-ipv6-vrf [af-ipv6-vrf-name]
| |      |         +--rw bgp:af-ipv6-vrf-name                              string
| |      |         +--rw bgp:next-hop-recursion?                           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:static
|  |     |          |           +--rw bgp:redistribute-static?     empty
|  |     |          |           +--rw bgp:unicast-static-metric?    conn-metric
|  |     |          |           +--rw bgp:static-route-map?         rmap-type
|  |     |          +--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-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:activate?                    empty
|  |     |          |        +--rw bgp:allowas-in?                  uint32
|  |     |          |        +--rw bgp:enable-peer-as-check?        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: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: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: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:additional-paths
|   |   |   |   |               |      +--rw bgp:add-path-both?   empty
|   |   |   |   |               |      +--rw bgp:send?            empty
|   |   |   |   |               |      +--rw bgp:receive?         empty
|   |   |   |   |               +--rw bgp:maxas-limit
|   |   |   |   |               |  +--rw bgp:in
|   |   |   |   |               |     +--rw (ch-maxas-limit)?
|   |   |   |   |               |        +--:(ca-maxas-limit-enable)
|   |   |   |   |               |        |  +--rw bgp:num-as-in-as-path?     num-as-in-as-path
|   |   |   |   |               |        +--:(ca-maxas-limit-disable)
|   |   |   |   |               |           +--rw bgp:maxas-limit-disable?   empty
|   |   |   |   |               +--rw bgp:additional-paths
|   |   |   |   |               |  +--rw bgp:advertise
|   |   |   |   |               |     +--rw (ch-additional-paths)?
|   |   |   |   |               |        +--:(ca-best)
|   |   |   |   |               |        |  +--rw bgp:best?   additional-paths-best
|   |   |   |   |               |        +--:(ca-all)
|   |   |   |   |               |           +--rw bgp:all?    empty
|   |   |   |   |               +--rw bgp:description?                     neighbor-description
|   |   |   |   |               +--rw bgp:local-as
|   |   |   |   |               |  +--rw bgp:local-as-value?   local-as-num
|   |   |   |   |               |  +--rw bgp:no-prepend?       empty
|   |   |   |   |               +--rw bgp:next-hop-self
|   |   |   |   |               |  +--rw (ch-next-hop-self-type)?
|   |   |   |   |               |     +--:(ca-next-hop-self-always)
|   |   |   |   |               |     |  +--rw bgp:next-hop-self-always?   empty
|   |   |   |   |               |     +--:(ca-next-hop-self-status)
|   |   |   |   |               |        +--rw bgp:next-hop-self-status?   empty
|   |   |   |   |               +--rw bgp:advertisement-interval
|   |   |   |   |               |  +--rw bgp:value?   adv-value
|   |   |   |   |               +--rw bgp:ebgp-btsh?                       empty
|   |   |   |   |               +--rw bgp:ebgp-multihop
|   |   |   |   |               |  +--rw (ch-ebgp-multihop-type)?
|   |   |   |   |               |     +--:(ca-ebgp-multihop-flag)
|   |   |   |   |               |     |  +--rw bgp:ebgp-multihop-flag?    empty
|   |   |   |   |               |     +--:(ca-ebgp-multihop-count)
|   |   |   |   |               |        +--rw bgp:ebgp-multihop-count?   uint32
|   |   |   |   |               +--rw bgp:password?                       bgp-password
|   |   |   |   |               +--rw bgp:enforce-first-as
|   |   |   |   |               |  +--rw bgp:nei-enforce-first-as?          empty
|   |   |   |   |               |  +--rw bgp:nei-enforce-first-as-disable?  empty
|   |   |   |   |               +--rw bgp:timers
|   |   |   |   |               |  +--rw bgp:nei-keep-alive?   nei-keep-alive
|   |   |   |   |               |  +--rw bgp:nei-hold-time?    nei-hold-time
|   |   |   |   |               +--rw bgp: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:update-source
|   |   |   |   |               |  +--rw (ch-update-source)?
|   |   |   |   |               |     +--:(ca-ipv6)
|   |   |   |   |               |     |  +--rw bgp:sip-ipv6-address?   sip-ipv6-address
|   |   |   |   |               |     +--:(ca-eth)
|   |   |   |   |               |     |  +--rw bgp:ethernet-interface
|   |   |   |   |               |     |     +--rw bgp:interface-type?   enumeration
|   |   |   |   |               |     |     +--rw bgp:ethernet?         interface:interface-type
|   |   |   |   |               |     +--:(ca-port-channel)
|   |   |   |   |               |     |  +--rw bgp:port-channel?        interface:portchannel-type
|   |   |   |   |               |     +--:(ca-loopback)
|   |   |   |   |               |     |  +--rw bgp:loopback?            loopback-interface
|   |   |   |   |               |     +--:(ca-ve)
|   |   |   |   |               |        +--rw bgp:ve-interface?        interface:ve-type
|   |   |   |   |               +--rw bgp:send-community
|   |   |   |   |                  +--rw bgp:send-community-status?   empty
```

```
|  |     |        |               +--rw bgp:both?                        empty
|  |     |        |               +--rw bgp:extended?                    empty
|  |     |        |               +--rw bgp:standard?                    empty
|  |     |        +--rw bgp:maximum-paths
|  |     |        |  +--rw bgp:load-sharing-value?   uint32
|  |     |        |  +--rw bgp:ebgp?                 ebgp-paths
|  |     |        |  +--rw bgp:ibgp?                 ibgp-paths
|  |     |        |  +--rw bgp:use-load-sharing?     empty
|  |     |        +--rw bgp:multipath
|  |     |        |  +--rw bgp:multipath_ebgp?   empty
|  |     |        |  +--rw bgp:multipath_ibgp?   empty
|  |     |        |  +--rw bgp:multi-as?         empty
|  |     |        +--rw bgp:always-propagate?                         empty
|  |     |        +--rw bgp:default-information-originate?            empty
|  |     |        +--rw bgp:rib-route-limit?                          rib-route-number
|  |     |        +--rw bgp:client-to-client-reflection?             empty
|  |     |        +--rw bgp:dampening
|  |     |        |  +--rw (ch-dampening-source)?
|  |     |        |     +--:(ca-dampening-flag)
|  |     |        |     |  +--rw bgp:dampening-flag?        empty
|  |     |        |     +--:(ca-dampening-specify-values)
|  |     |        |     |  +--rw bgp:values
|  |     |        |     |     +--rw bgp:half-time?             htime
|  |     |        |     |     +--rw bgp:reuse-value?           damp-reuse-value
|  |     |        |     |     +--rw bgp:start-suppress-time?   damp-start-suppress-value
|  |     |        |     |     +--rw bgp:max-suppress-time?     damp-max-suppress-value
|  |     |        |     +--:(ca-dampening-route-map)
|  |     |        |        +--rw bgp:dampening-route-map?   rmap-type
|  |     |        +--rw bgp:default-metric?                           default-metric-number
|  |     |        +--rw bgp:next-hop-enable-default?                  empty
|  |     |        +--rw bgp:table-map
|  |     |        |  +--rw bgp:table-map-route-map?   rmap-type
|  |     |        +--rw bgp:update-time?                              update-time-type
|  |     +--rw bgp:l2vpn
|  |        +--rw bgp:evpn?
|  |           +--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:neighbor
|  |              +--rw bgp:evpn-peer-group [evpn-neighbor-peergroup-name]
|  |              |  +--rw bgp:evpn-neighbor-peergroup-name    bgp-peergroup
|  |              |  +--rw bgp:activate?                       empty
|  |              |  +--rw bgp:maximum-prefix?                 max-prefix-limit
|  |              |  +--rw bgp:route-reflector-client?         empty
|  |              |  +--rw bgp:allowas-in?                     uint32
|  |              |  +--rw bgp:next-hop-unchanged?             empty
|  |              |  +--rw bgp: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: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:activate?                     empty
|  |                 +--rw bgp:maximum-prefix?               max-prefix-limit
|  |                 +--rw bgp:route-reflector-client?       empty
|  |                 +--rw bgp:allowas-in?                   uint32
|  |                 +--rw bgp:next-hop-unchanged?           empty
|  |                 +--rw bgp: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: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:activate?                     empty
|  |                 +--rw bgp:maximum-prefix?               max-prefix-limit
|  |                 +--rw bgp:route-reflector-client?       empty
|  |                 +--rw bgp:allowas-in?                   uint32
|  |                 +--rw bgp:next-hop-unchanged?           empty
|  |                 +--rw bgp: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:send-community
|  |                    +--rw bgp:send-community-status?   empty
|  |                    +--rw bgp:both?                    empty
|  |                    +--rw bgp:extended?                empty
|  |                    +--rw bgp:standard?                empty
|  +--rw ospf:ospf [vrf]
|  |  +--rw ospf:vrf                             string
|  |  +--rw ospf:database-overflow-interval?     common-def:time-interval-sec
|  |  +--rw ospf:default-information-originate?
|  |  |  +--rw ospf:always?                empty
|  |  |  +--rw ospf:def-orig-metric?       uint32
|  |  |  +--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: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: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:nssa-no-summary?    empty
|  |  |  |  +--rw ospf:default-information-metric
|  |  |  |  |  +--rw ospf:default-information-metric-value?   uint32
|  |  |  |  |  +--rw ospf:default-information-metric-type?    ospf:metric-type
|  |  |  |  +--rw ospf:default-information-originate?   empty
```

```
|  |  |  |  |  +--rw ospf:no-redistribution?                 empty
|  |  |  |  |  +--rw ospf:translator-always?                 empty
|  |  |  |  |  +--rw ospf:translator-interval?               common-def:time-interval-sec
|  |  |  |  +--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:stub
|  |  |  |  |  +--rw ospf:metric
|  |  |  |  |     +--rw ospf:stub-value?   big-metric
|  |  |  |  |     +--rw ospf:no-summary?   empty
|  |  |  |  +--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:dead-interval?        common-def:time-interval-sec
|  |  |  |     +--rw ospf:hello-interval?       common-def:time-interval-sec
|  |  |  |     +--rw ospf:retransmit-interval?  common-def:time-interval-sec
|  |  |  |     +--rw ospf:transmit-delay?       common-def:time-interval-sec
|  |  |  |     +--rw ospf:md5-authentication
|  |  |  |        +--rw ospf:key-activation-wait-time?   common-def:time-interval-sec
|  |  |  |        +--rw ospf:no-encrypt-key-table
|  |  |  |        |  +--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:direction-in?    empty
|  |  +--rw ospf:max-metric
|  |  |  +--rw ospf:router-lsa?
|  |  |     +--rw ospf:all-vrfs?        empty
|  |  |     +--rw ospf:all-lsas?        empty
|  |  |     +--rw ospf:external-lsa?
|  |  |     |  +--rw ospf:external-lsa-val?   uint32
|  |  |     +--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:helper-strict-lsa-checking?  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 pim:hide-pim-holder
|    +--rw pim:pim?
|       +--rw pim:reset-tracking-bit?   empty
|       +--rw pim:max-mcache?           uint32
|       +--rw pim:hello-interval?       int16
|       +--rw pim:nbr-timeout?          int16
|       +--rw pim:inactivity-timer?     int16
|       +--rw pim:message-interval?     uint32
|       +--rw pim:bsr-msg-interval?     uint32
|       +--rw pim:rp-adv-interval?      uint32
|       +--rw pim:spt-threshold?        spt-thr-type
|       +--rw pim:bsr-candidate
|       | +--rw pim:bsr-cand-interface [bsr-cand-intf-type bsr-cand-intf-id]
|       |    +--rw pim:bsr-cand-intf-type    pim-intf-types
|       |    +--rw pim:bsr-cand-intf-id      string
|       |    +--rw pim:hash-mask-length?     uint16
|       |    +--rw pim:bsr-cand-priority?    uint32
|       +--rw pim:rp-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      string
|       | | +--rw pim:rp-cand-priority?    uint32
|       | +--rw pim:rp-cand-grp-prefix [rp-cand-grp-prefix-ip rp-cand-grp-prefix-length]
|       |    +--rw pim:rp-cand-grp-prefix-ip       pim-grp-prefix-addr
|       |    +--rw pim:rp-cand-grp-prefix-length   uint16
|       +--rw pim:rp-address [rp-ip-addr]
|          +--rw pim:rp-ip-addr     inet:ipv4-address
|          +--rw pim:prefix-list?   ip-prefix-name-t
+--rw switch-attributes
|  +--rw chassis-name?   string
```

```
    |  +--rw host-name?       string
+--rw system-mode
|  +--rw maintenance?   empty
+--ro extreme-interface:interface
|  +--ro extreme-interface:ve [name]
|  |  +--ro extreme-interface:name              ve-type
|  |  +--ro extreme-interface:bfd
|  |  |  +--ro extreme-interface:interval
|  |  |  |  +--ro extreme-interface:min-tx?       bfd-tx-interval-type
|  |  |  |  +--ro extreme-interface:min-rx?       bfd-rx-interval-type
|  |  |  |  +--ro extreme-interface:multiplier?  bfd-multiplier-type
|  |  |  +--ro extreme-interface:bfd-shutdown?    empty
|  |  +--rw extreme-interface:snmp
|  |  |  +--rw extreme-interface:trap
|  |  |     +--rw extreme-interface:link-snmp-trap-status?    empty
|  |  +--ro ip-config:vrf
|  |  |  +--ro ip-config:forwarding?    common-def:vrf-name
|  |  +--ro ip-config:ip
|  |  |  +--ro ip-config:ip-config
|  |  |  |  +--ro ip-config:mtu?                       uint32
|  |  |  |  +--ro ip-config:directed-broadcast?    empty
|  |  |  |  +--ro ip-config:arp
|  |  |  |  |  +--ro ip-config:learn-any?    empty
|  |  |  |  +--ro ip-config:proxy-arp?              empty
|  |  |  |  +--ro ip-config:arp-aging-timeout?     uint32
|  |  |  |  +--ro ip-config:address [address]
|  |  |  |     +--ro ip-config:address          union
|  |  |  |     +--ro ip-config:secondary?       empty
|  |  |  |     +--ro ip-config:ospf-passive?    empty
|  |  |  |     +--ro ip-config:ospf-ignore?     empty
|  |  |  +--ro vrrp:ip-anycast-address [ip-address]
|  |  |  |  +--ro vrrp:ip-address     union
|  |  |  +--ro anycast-gateway:ip-local-anycast-gateway [local-ip-gw-id]
|  |  |  |  +--ro anycast-gateway:local-ip-gw-id     uint32
|  |  |  |  +--ro anycast-gateway:enable_local?      empty
|  |  |  |  +--ro anycast-gateway:disable_local?     empty
|  |  |  |  +--ro anycast-gateway:load-balancing
|  |  |  |  |  +--ro anycast-gateway:basic?                 empty
|  |  |  |  |  +--ro anycast-gateway:threshold-priority?   uint32
|  |  |  |  +--ro anycast-gateway:track
|  |  |  |     +--ro anycast-gateway:interface [interface-type interface-name]
|  |  |  |     |  +--ro anycast-gateway:interface-type        vrrp:track-iftype
|  |  |  |     |  +--ro anycast-gateway:interface-name        vrrp:track-ifname
|  |  |  |     |  +--ro anycast-gateway:interface-priority    uint32
|  |  |  |     +--ro anycast-gateway:network [network-address]
|  |  |  |     |  +--ro anycast-gateway:network-address      comn:ipv4-prefix-mask
|  |  |  |     |  +--ro anycast-gateway:network-priority     uint32
|  |  |  |     +--ro anycast-gateway:next-hop [next-hop-address]
|  |  |  |        +--ro anycast-gateway:next-hop-address     inet:ip-address
|  |  |  |        +--ro anycast-gateway:next-hop-priority    uint32
|  |  |  +--ro dhcp:interface-ve-dhcp-conf
|  |  |  |  +--ro dhcp:dhcp
|  |  |  |     +--ro dhcp:relay
|  |  |  |        +--ro dhcp:servers [relay-ip-addr server-vrf-name]
|  |  |  |        |  +--ro dhcp:relay-ip-addr       dhcp-ipv4-address
|  |  |  |        |  +--ro dhcp:server-vrf-name     common-def:vrf-name
|  |  |  |        +--ro dhcp:gateway?   dhcp-ipv4-address
|  |  |  +--ro icmp:icmp
|  |  |  |  +--ro icmp:echo-reply?      empty
|  |  |  |  +--ro icmp:rate-limiting?   uint32
|  |  |  |  +--ro icmp:unreachable?     empty
|  |  |  |  +--ro icmp:redirect?        empty
|  |  |  |  +--ro icmp:address-mask?    empty
|  |  |  +--ro igmp:igmp
|  |  |  |  +--ro igmp:last-member-query-interval?   igmp-snooping:lmqt-type
|  |  |  |  +--ro igmp:query-interval?               igmp-snooping:qi-type
|  |  |  |  +--ro igmp:query-max-response-time?       igmp-snooping:qmrt-type
|  |  |  |  +--ro igmp:immediate-leave?              empty
|  |  |  |  +--ro igmp:static-group [sg-addr]
|  |  |  |     +--ro igmp:sg-addr     inet:ipv4-address
|  |  |  +--ro ospf:interface-vlan-ospf-conf
|  |  |  |  +--ro ospf:ospf-interface-config
```

```
|  |  |  |        +--ro ospf:area?                      ospf-area-id
|  |  |  |        +--ro ospf:auth-change-wait-time?   common-def:time-interval-sec
|  |  |  |        +--ro ospf:authentication-key
|  |  |  |        |  +--ro ospf:no-encrypt-auth-key-table
|  |  |  |        |  |  +--ro ospf:no-encrypt-auth-key?   ospf-auth-psswd-string
|  |  |  |        |  +--ro ospf:auth-key-table
|  |  |  |        |     +--ro ospf:encrypttype?   key-type
|  |  |  |        |     +--ro ospf:auth-key?      ospf-auth-psswd-string
|  |  |  |        +--ro ospf:dead-interval?              common-def:time-interval-sec
|  |  |  |        +--ro ospf:hello-interval?             common-def:time-interval-sec
|  |  |  |        +--ro ospf:retransmit-interval?        common-def:time-interval-sec
|  |  |  |        +--ro ospf:transmit-delay?             common-def:time-interval-sec
|  |  |  |        +--ro ospf:md5-authentication
|  |  |  |        |  +--ro ospf:key-activation-wait-time?   common-def:time-interval-sec
|  |  |  |        |  +--ro ospf:no-encrypt-key-table
|  |  |  |        |  |  +--ro ospf:no-encrypt-key-id?   uint32
|  |  |  |        |  |  +--ro ospf:no-encrypt-key?      ospf-auth-psswd-string
|  |  |  |        |  +--ro ospf:key-table
|  |  |  |        |     +--ro ospf:key-id?                 uint32
|  |  |  |        |     +--ro ospf:key?                    key-type
|  |  |  |        |     +--ro ospf:md5-authentication-key?   ospf-auth-psswd-string
|  |  |  |        +--ro ospf:cost?                uint32
|  |  |  |        +--ro ospf:database-filter
|  |  |  |        |  +--ro ospf:all-out?                empty
|  |  |  |        |  +--ro ospf:all-external?           database-filter-options
|  |  |  |        |  +--ro ospf:all-summary-external?   database-filter-options
|  |  |  |        +--ro ospf:mtu-ignore?          empty
|  |  |  |        +--ro ospf:network?             enumeration
|  |  |  |        +--ro ospf:active?              empty
|  |  |  |        +--ro ospf:passive?             empty
|  |  |  |        +--ro ospf:priority?            uint32
|  |  |  |        +--ro ospf:bfd
|  |  |  |           +--ro ospf:intf-bfd-enable?   empty
|  |  |  +--ro pim:pim-intf-vlan-cont
|  |  |     +--ro pim:pim-int-cmd
|  |  |        +--ro pim:pim-sparse?             empty
|  |  |        +--ro pim:pim
|  |  |        |  +--ro pim:neighbor-filter?   ip-prefix-name-t
|  |  |        |  +--ro pim:dr-priority?       uint32
|  |  |        |  +--ro pim:multinet
|  |  |        |     +--ro pim:multinet_enable?   empty
|  |  |        +--ro pim:mcast-bdry-prefix-list?   ip-prefix-name-t
|  |  +--ro ip-config:shutdown?           empty
|  |  +--ro ipv6-config:ipv6
|  |  |  +--ro ipv6-config:ipv6-config
|  |  |  |  +--ro ipv6-config:address
|  |  |  |  |  +--ro ipv6-config:use-link-local-only?   empty
|  |  |  |  |  +--ro ipv6-config:link-local-config
|  |  |  |  |  |  +--ro ipv6-config:link-local-address?   inet:ipv6-address
|  |  |  |  |  |  +--ro ipv6-config:link-local?           empty
|  |  |  |  |  +--ro ipv6-config:ipv6-address [address]
|  |  |  |  |     +--ro ipv6-config:address        union
|  |  |  |  |     +--ro ipv6-config:secondary?     empty
|  |  |  |  |     +--ro ipv6-config:eui-config
|  |  |  |  |     |  +--ro ipv6-config:eui64?            empty
|  |  |  |  |     |  +--ro ipv6-config:eui-secondary?   empty
|  |  |  |  |     +--ro ipv6-config:anycast?       empty
|  |  |  |  +--ro ipv6-config:mtu?        uint32
|  |  |  +--ro vrrp:ipv6-anycast-address [ipv6-address]
|  |  |  |  +--ro vrrp:ipv6-address    union
|  |  |  +--ro anycast-gateway:ipv6-local-anycast-gateway [local-ipv6-gw-id]
|  |  |  |  +--ro anycast-gateway:local-ipv6-gw-id    uint32
|  |  |  |  +--ro anycast-gateway:enable_local?       empty
|  |  |  |  +--ro anycast-gateway:disable_local?      empty
|  |  |  |  +--ro anycast-gateway:load-balancing
|  |  |  |  |  +--ro anycast-gateway:basic?                empty
|  |  |  |  |  +--ro anycast-gateway:threshold-priority?   uint32
|  |  |  |  +--ro anycast-gateway:ipv6-track
|  |  |  |     +--ro anycast-gateway:ipv6-interface [ipv6-interface-type ipv6-interface-name]
|  |  |  |        +--ro anycast-gateway:ipv6-interface-type       vrrp:track-iftype
|  |  |  |        +--ro anycast-gateway:ipv6-interface-name       vrrp:track-ifname
|  |  |  |        +--ro anycast-gateway:ipv6-interface-priority   uint32
```

```
| | | |          +--ro anycast-gateway:ipv6-network [ipv6-network-address]
| | | |          |  +--ro anycast-gateway:ipv6-network-address     comn:ipv6-address-prefix
| | | |          |  +--ro anycast-gateway:ipv6-network-priority    uint32
| | | |          +--ro anycast-gateway:ipv6-next-hop [ipv6-next-hop-address]
| | | |             +--ro anycast-gateway:ipv6-next-hop-address    inet:ipv6-address
| | | |             +--ro anycast-gateway:ipv6-next-hop-priority   uint32
| | | +--ro dhcpv6:interface-ve-dhcp-conf
| | | |  +--ro dhcpv6:dhcp
| | | |     +--ro dhcpv6:relay
| | | |        +--ro dhcpv6:servers [relay-ip-addr]
| | | |           +--ro dhcpv6:relay-ip-addr       dhcp-ipv6-address
| | | |           +--ro dhcpv6:server-vrf-name?    common-def:vrf-name
| | | |           +--ro dhcpv6:interface
| | | |              +--ro dhcpv6:interface-type?   dhcpv6-iftype
| | | |              +--ro dhcpv6:interface-name?   dhcpv6-ifname
| | | +--ro icmp:icmpv6
| | | |  +--ro icmp:echo-reply?      empty
| | | |  +--ro icmp:rate-limiting?   uint32
| | | |  +--ro icmp:unreachable?     empty
| | | |  +--ro icmp:redirect?        empty
| | | +--ro ipv6-access-list:access-group [ipv6-access-list ip-direction]
| | | |  +--ro ipv6-access-list:ipv6-access-list    ipv6-l3-acl-policy-name
| | | |  +--ro ipv6-access-list:ip-direction        enumeration
| | | |  +--ro ipv6-access-list:traffic-type?       enumeration
| | | +--ro ip-policy:policy
| | | |  +--ro ip-policy:route-map
| | | |     +--ro ip-policy:ipv6-route-map-name?   common-def:name-string63
| | | +--ro ipv6-nd-ra:ipv6-nd-ra
| | | |  +--ro ipv6-nd-ra:ipv6-intf-cmds
| | | |     +--ro ipv6-nd-ra:vrrp-suppress-interface-ra?   empty
| | | |     +--ro ipv6-nd-ra:nd
| | | |     |  +--ro ipv6-nd-ra:managed-config-flag?    empty
| | | |     |  +--ro ipv6-nd-ra:other-config-flag?      empty
| | | |     |  +--ro ipv6-nd-ra:broadcast-mac-trap?     empty
| | | |     |  +--ro ipv6-nd-ra:ra-lifetime?            common-def:time-interval-sec
| | | |     |  +--ro ipv6-nd-ra:reachable-time?         common-def:time-interval-msec
| | | |     |  +--ro ipv6-nd-ra:mtu?                    uint32
| | | |     |  +--ro ipv6-nd-ra:retrans-timer?          common-def:time-interval-msec
| | | |     |  +--ro ipv6-nd-ra:hoplimit?               uint32
| | | |     |  +--ro ipv6-nd-ra:set-hoplimit?           uint32
| | | |     |  +--ro ipv6-nd-ra:set-cache-expire-time?  common-def:time-interval-sec
| | | |     |  +--ro ipv6-nd-ra:ns-interval?            common-def:time-interval-sec
| | | |     |  +--ro ipv6-nd-ra:proxy?                  empty
| | | |     |  +--ro ipv6-nd-ra:suppress-ra
| | | |     |  |  +--ro ipv6-nd-ra:suppress-ra-flag?   empty
| | | |     |  |  +--ro ipv6-nd-ra:suppress-ra-mtu?    empty
| | | |     |  |  +--ro ipv6-nd-ra:suppress-ra-all?    empty
| | | |     |  +--ro ipv6-nd-ra:ra-interval
| | | |     |  |  +--ro ipv6-nd-ra:max-interval?   common-def:time-interval-sec
| | | |     |  |  +--ro ipv6-nd-ra:min?            common-def:time-interval-sec
| | | |     |  +--ro ipv6-nd-ra:dad
| | | |     |  |  +--ro ipv6-nd-ra:attempts?   uint32
| | | |     |  |  +--ro ipv6-nd-ra:time?       common-def:time-interval-sec
| | | |     |  +--ro ipv6-nd-ra:nud
| | | |     |  |  +--ro ipv6-nd-ra:retry
| | | |     |  |     +--ro ipv6-nd-ra:base?          int32
| | | |     |  |     +--ro ipv6-nd-ra:interval?      common-def:time-interval-msec
| | | |     |  |     +--ro ipv6-nd-ra:max-attempts?  int32
| | | |     |  +--ro ipv6-nd-ra:cache
| | | |     |  |  +--ro ipv6-nd-ra:expire?   common-def:time-interval-sec
| | | |     |  +--ro ipv6-nd-ra:prefix [prefix-ipv6-address]
| | | |     |     +--ro ipv6-nd-ra:prefix-ipv6-address    inet:ipv6-prefix
| | | |     |     +--ro ipv6-nd-ra:lifetime
| | | |     |        +--ro (ch-valid-type)?
| | | |     |        |  +--:(ca-no-advertise)
| | | |     |        |  |  +--ro ipv6-nd-ra:no-advertise?      empty
| | | |     |        |  +--:(ca-valid-lifetime)
| | | |     |        |  |  +--ro ipv6-nd-ra:valid-lifetime?   common-def:time-interval-sec
| | | |     |        |  +--:(ca-valid-infinite)
| | | |     |        |     +--ro ipv6-nd-ra:valid-infinite?   empty
| | | |     |        +--ro ipv6-nd-ra:preferred
| | | |     |           +--ro (ch-preferred-type)?
```

extreme-rbridge

```
| | | |    |         | +--:(ca-preferred-lifetime)
| | | |    |         | | +--ro ipv6-nd-ra:preferred-lifetime?   common-def:time-interval-
    sec
| | | |    |         | +--:(ca-preferred-infinite)
| | | |    |         |    +--ro ipv6-nd-ra:preferred-infinite?   empty
| | | |    |         +--ro ipv6-nd-ra:prefix-flags
| | | |    |            +--ro ipv6-nd-ra:no-autoconfig?   empty
| | | |    |            +--ro ipv6-nd-ra:no-onlink?       empty
| | | |    |            +--ro ipv6-nd-ra:off-link?        empty
| | | | +--ro ipv6-nd-ra:neighbor [ipv6-address]
| | | |    +--ro ipv6-nd-ra:ipv6-address       neighbor-ipv6-address
| | | |    +--ro ipv6-nd-ra:hardware-address?   macAddr
| | | +--ro mld-snooping:ipv6-ve-intf-cmds
| | | | +--ro mld-snooping:hop-by-hop-trap?   empty
| | | +--ro ospfv3:interface-ospfv3-conf
| | | | +--ro ospfv3:interface-area?           ospf:ospf-area-id
| | | | +--ro ospfv3:active?                    empty
| | | | +--ro ospfv3:passive?                   empty
| | | | +--ro ospfv3:bfd
| | | | | +--ro ospfv3:bfd-enable?    empty
| | | | +--ro ospfv3:cost?                      uint32
| | | | +--ro ospfv3:instance?                  uint32
| | | | +--ro ospfv3:mtu-ignore?                empty
| | | | +--ro ospfv3:network?                   enumeration
| | | | +--ro ospfv3:priority?                  uint32
| | | | +--ro ospfv3:suppress-linklsa?          empty
| | | | +--ro ospfv3:authentication
| | | | | +--ro ospfv3:ipsec-auth-key-config
| | | | | | +--ro ospfv3:spi?                  spi-value-type
| | | | | | +--ro (ch-algorithm)?
| | | | | |    +--:(ca-ah-algorithm)
| | | | | |    | +--ro ospfv3:ah?                       algorithm-type-ah
| | | | | |    | +--ro ospfv3:ah-no-encrypt?            empty
| | | | | |    | +--ro ospfv3:ah-key?                   ipsec-authentication-hexkey-string
| | | | | |    +--:(ca-esp-algorithm)
| | | | | |       +--ro ospfv3:esp?                     algorithm-type-esp
| | | | | |       +--ro ospfv3:esp-no-encrypt?          empty
| | | | | |       +--ro ospfv3:esp-key?                 ipsec-authentication-hexkey-string
| | | | | |       +--ro ospfv3:esp-auth?                algorithm-type-ah
| | | | | |       +--ro ospfv3:esp-auth-no-encrypt?     empty
| | | | | |       +--ro ospfv3:esp-auth-key?            ipsec-authentication-hexkey-string
| | | | | +--ro ospfv3:ipsec
| | | | |    +--ro ospfv3:ipsec-authentication-disable?   empty
| | | | |    +--ro ospfv3:ifc-key-add-remove-interval?    common-def:time-interval-sec
| | | | +--ro ospfv3:link-interval-properties
| | | |    +--ro ospfv3:hello-interval?        common-def:time-interval-sec
| | | |    +--ro ospfv3:dead-interval?         common-def:time-interval-sec
| | | |    +--ro ospfv3:hello-jitter?          uint32
| | | |    +--ro ospfv3:retransmit-interval?   common-def:time-interval-sec
| | | |    +--ro ospfv3:transmit-delay?        common-def:time-interval-sec
| | | +--ro vrrpv3:vrrpv3 [vrid]
| | | | +--ro vrrpv3:vrid                      vrid-type
| | | | +--ro vrrpv3:use-v2-checksum?          empty
| | | | +--ro vrrpv3:virtual-ip [virtual-ipaddr]
| | | | | +--ro vrrpv3:virtual-ipaddr    inet:ipv6-address
| | | | +--ro vrrpv3:track
| | | | | +--ro vrrpv3:interface [interface-type interface-name]
| | | | |    +--ro vrrpv3:interface-type    track-iftype
| | | | |    +--ro vrrpv3:interface-name    union
| | | | |    +--ro vrrpv3:track-priority?   uint8
| | | | +--ro vrrpv3:advertisement-interval?   uint32
| | | | +--ro vrrpv3:enable?                   empty
| | | | +--ro vrrpv3:hold-time?                uint32
| | | | +--ro vrrpv3:preempt-mode?             empty
| | | | +--ro vrrpv3:priority?                 uint8
| | | | +--ro vrrpv3:description?              string
| | | +--ro vrrpv3:vrrpv3e [vrid]
| | |    +--ro vrrpv3:vrid                       vrid-type
| | |    +--ro vrrpv3:virtual-mac
| | |    | +--ro vrrpv3:vmac?   empty
| | |    +--ro vrrpv3:virtual-ip [virtual-ipaddr]
| | |    | +--ro vrrpv3:virtual-ipaddr    inet:ipv6-address
```

```
|  |  |       +--ro vrrpv3:track
|  |  |       |  +--ro vrrpv3:network [network-address]
|  |  |       |  |  +--ro vrrpv3:network-address    common-def:ipv6-address-prefix
|  |  |       |  |  +--ro vrrpv3:network-priority?   uint8
|  |  |       |  +--ro vrrpv3:interface [interface-type interface-name]
|  |  |       |     +--ro vrrpv3:interface-type    track-iftype
|  |  |       |     +--ro vrrpv3:interface-name    union
|  |  |       |     +--ro vrrpv3:track-priority?   uint8
|  |  |       +--ro vrrpv3:enable?                          empty
|  |  |       +--ro vrrpv3:hold-time?                       uint32
|  |  |       +--ro vrrpv3:preempt-mode?                    empty
|  |  |       +--ro vrrpv3:priority?                        uint8
|  |  |       +--ro vrrpv3:description?                     string
|  |  |       +--ro vrrpv3:advertise-backup?               empty
|  |  |       +--ro vrrpv3:nd-advertisement-timer?         uint32
|  |  |       +--ro vrrpv3:advertisement-interval-scale?   uint32
|  |  |       +--ro vrrpv3:backup-advertisement-interval?  uint32
|  |  |       +--ro vrrpv3:vrrpe-advertisement-interval?   uint32
|  |  |       +--ro vrrpv3:short-path-forwarding
|  |  |          +--ro vrrpv3:basic?            empty
|  |  |          +--ro vrrpv3:revert-priority?  uint8
|  |  +--ro vrrp:vrrp [vrid version]
|  |  |  +--ro vrrp:vrid                  vrid-type
|  |  |  +--ro vrrp:version               uint8
|  |  |  +--ro vrrp:use-v2-checksum?      empty
|  |  |  +--ro vrrp:virtual-ip [virtual-ipaddr]
|  |  |  |  +--ro vrrp:virtual-ipaddr    inet:ipv4-address
|  |  |  +--ro vrrp:track
|  |  |  |  +--ro vrrp:interface [interface-type interface-name]
|  |  |  |     +--ro vrrp:interface-type    track-iftype
|  |  |  |     +--ro vrrp:interface-name    track-ifname
|  |  |  |     +--ro vrrp:track-priority?   uint8
|  |  |  +--ro vrrp:advertisement-interval?  uint32
|  |  |  +--ro vrrp:enable?                  empty
|  |  |  +--ro vrrp:hold-time?               uint32
|  |  |  +--ro vrrp:preempt-mode?            empty
|  |  |  +--ro vrrp:arp
|  |  |  |  +--ro vrrp:unicast-request
|  |  |  |     +--ro vrrp:receive?   empty
|  |  |  +--ro vrrp:priority?               uint8
|  |  |  +--ro vrrp:description?             string
|  |  +--ro vrrp:vrrpe [vrid]
|  |  |  +--ro vrrp:vrid                           vrid-type
|  |  |  +--ro vrrp:virtual-mac?                   enumeration
|  |  |  +--ro vrrp:virtual-ip [virtual-ipaddr]
|  |  |  |  +--ro vrrp:virtual-ipaddr    inet:ipv4-address
|  |  |  +--ro vrrp:track
|  |  |  |  +--ro vrrp:network [network-address]
|  |  |  |  |  +--ro vrrp:network-address     union
|  |  |  |  |  +--ro vrrp:network-priority?   uint8
|  |  |  |  +--ro vrrp:interface [interface-type interface-name]
|  |  |  |     +--ro vrrp:interface-type    track-iftype
|  |  |  |     +--ro vrrp:interface-name    track-ifname
|  |  |  |     +--ro vrrp:track-priority?   uint8
|  |  |  +--ro vrrp:advertisement-interval?        uint32
|  |  |  +--ro vrrp:enable?                        empty
|  |  |  +--ro vrrp:hold-time?                     uint32
|  |  |  +--ro vrrp:preempt-mode?                  empty
|  |  |  +--ro vrrp:arp
|  |  |  |  +--ro vrrp:unicast-request
|  |  |  |     +--ro vrrp:receive?   empty
|  |  |  +--ro vrrp:priority?                      uint8
|  |  |  +--ro vrrp:description?                   string
|  |  |  +--ro vrrp:advertise-backup?             empty
|  |  |  +--ro vrrp:vrrpe-garp-timer?              uint32
|  |  |  +--ro vrrp:backup-advertisement-interval?  uint32
|  |  |  +--ro vrrp:short-path-forwarding
|  |  |  |  +--ro vrrp:basic?            empty
|  |  |  |  +--ro vrrp:revert-priority?  uint8
|  |  |  +--ro vrrp:advertisement-interval-scale?   uint32
|  |  +--ro ip-access-list:ip-acl-interface
|  |  |  +--ro ip-access-list:ip
```

```
|  |  |        +--ro ip-access-list:access-group [ip-access-list ip-direction]
|  |  |           +--ro ip-access-list:ip-access-list    l3-acl-policy-name
|  |  |           +--ro ip-access-list:ip-direction       enumeration
|  |  |           +--ro ip-access-list:traffic-type?      enumeration
|  |  +--ro ip-policy:ip-pbr-interface
|  |  |  +--ro ip-policy:ip
|  |  |     +--ro ip-policy:policy
|  |  |        +--ro ip-policy:route-map
|  |  |           +--ro ip-policy:route-map-name?   common-def:name-string63
|  +--ro rpf:rpf
|  |     +--ro rpf:log?     empty
|  |     +--ro rpf:mode?    enumeration
+--ro intf-loopback:loopback [id]
   +--ro intf-loopback:id                intf-loopback-port-type
   +--ro intf-loopback:vrf
   |  +--ro intf-loopback:forwarding?    common-def:vrf-name
   +--ro intf-loopback:snmp
   |  +--ro intf-loopback:trap
   |     +--ro intf-loopback:link-snmp-trap-status?    empty
   +--ro intf-loopback:intf-loopback
   |  +--ro intf-loopback:shutdown?    empty
   +--ro ip-config:ip
   |  +--ro ip-config:ip-config
   |  |  +--ro ip-config:address [address]
   |  |     +--ro ip-config:address     union
   |  +--ro ospf:interface-loopback-ospf-conf
   |  |  +--ro ospf:ospf-interface-config
   |  |     +--ro ospf:area?                      ospf-area-id
   |  |     +--ro ospf:auth-change-wait-time?     common-def:time-interval-sec
   |  |     +--ro ospf:authentication-key
   |  |     |  +--ro ospf:no-encrypt-auth-key-table
   |  |     |  |  +--ro ospf:no-encrypt-auth-key?   ospf-auth-psswd-string
   |  |     |  +--ro ospf:auth-key-table
   |  |     |     +--ro ospf:encrypttype?   key-type
   |  |     |     +--ro ospf:auth-key?      ospf-auth-psswd-string
   |  |     +--ro ospf:dead-interval?             common-def:time-interval-sec
   |  |     +--ro ospf:hello-interval?            common-def:time-interval-sec
   |  |     +--ro ospf:retransmit-interval?       common-def:time-interval-sec
   |  |     +--ro ospf:transmit-delay?            common-def:time-interval-sec
   |  |     +--ro ospf:md5-authentication
   |  |     |  +--ro ospf:key-activation-wait-time?   common-def:time-interval-sec
   |  |     |  +--ro ospf:no-encrypt-key-table
   |  |     |  |  +--ro ospf:no-encrypt-key-id?   uint32
   |  |     |  |  +--ro ospf:no-encrypt-key?      ospf-auth-psswd-string
   |  |     |  +--ro ospf:key-table
   |  |     |     +--ro ospf:key-id?                 uint32
   |  |     |     +--ro ospf:key?                    key-type
   |  |     |     +--ro ospf:md5-authentication-key?  ospf-auth-psswd-string
   |  |     +--ro ospf:cost?                      uint32
   |  |     +--ro ospf:database-filter
   |  |     |  +--ro ospf:all-out?                empty
   |  |     |  +--ro ospf:all-external?           database-filter-options
   |  |     |  +--ro ospf:all-summary-external?   database-filter-options
   |  |     +--ro ospf:mtu-ignore?                empty
   |  |     +--ro ospf:network?                   enumeration
   |  |     +--ro ospf:active?                    empty
   |  |     +--ro ospf:passive?                   empty
   |  |     +--ro ospf:priority?                  uint32
   |  |     +--ro ospf:bfd
   |  |        +--ro ospf:intf-bfd-enable?    empty
   |  +--ro pim:pim-intf-lo-cont
   |     +--ro pim:pim-int-cmd
   |        +--ro pim:pim-sparse?              empty
   |        +--ro pim:pim
   |        |  +--ro pim:neighbor-filter?    ip-prefix-name-t
   |        |  +--ro pim:dr-priority?        uint32
   |        |  +--ro pim:multinet
   |        |     +--ro pim:multinet_enable?    empty
   |        +--ro pim:mcast-bdry-prefix-list?    ip-prefix-name-t
   +--ro ipv6-config:ipv6
      +--ro ipv6-config:ipv6-config
      |  +--ro ipv6-config:address
```

```
|       |       +--ro ipv6-config:use-link-local-only?   empty
|       |       +--ro ipv6-config:link-local-config
|       |       | +--ro ipv6-config:link-local-address?   inet:ipv6-address
|       |       | +--ro ipv6-config:link-local?       empty
|       |       +--ro ipv6-config:ipv6-address [address]
|       |          +--ro ipv6-config:address    union
|       |          +--ro ipv6-config:eui64?      empty
|       |          +--ro ipv6-config:anycast?   empty
|       +--ro ospfv3:interface-ospfv3-conf
|          +--ro ospfv3:interface-area?             ospf:ospf-area-id
|          +--ro ospfv3:active?                     empty
|          +--ro ospfv3:passive?                    empty
|          +--ro ospfv3:bfd
|          | +--ro ospfv3:bfd-enable?   empty
|          +--ro ospfv3:cost?                       uint32
|          +--ro ospfv3:instance?                   uint32
|          +--ro ospfv3:mtu-ignore?                 empty
|          +--ro ospfv3:network?                    enumeration
|          +--ro ospfv3:priority?                   uint32
|          +--ro ospfv3:suppress-linklsa?           empty
|          +--ro ospfv3:authentication
|          | +--ro ospfv3:ipsec-auth-key-config
|          | | | +--ro ospfv3:spi?                  spi-value-type
|          | | | +--ro (ch-algorithm)?
|          | | |    +--:(ca-ah-algorithm)
|          | | |    | +--ro ospfv3:ah?                   algorithm-type-ah
|          | | |    | +--ro ospfv3:ah-no-encrypt?        empty
|          | | |    | +--ro ospfv3:ah-key?               ipsec-authentication-hexkey-string
|          | | |    +--:(ca-esp-algorithm)
|          | | |       +--ro ospfv3:esp?               algorithm-type-esp
|          | | |       +--ro ospfv3:esp-no-encrypt?    empty
|          | | |       +--ro ospfv3:esp-key?           ipsec-authentication-hexkey-string
|          | | |       +--ro ospfv3:esp-auth?          algorithm-type-ah
|          | | |       +--ro ospfv3:esp-auth-no-encrypt?   empty
|          | | |       +--ro ospfv3:esp-auth-key?          ipsec-authentication-hexkey-string
|          | +--ro ospfv3:ipsec
|          |    +--ro ospfv3:ipsec-authentication-disable?   empty
|          |    +--ro ospfv3:ifc-key-add-remove-interval?    common-def:time-interval-sec
|          +--ro ospfv3:link-interval-properties
|             +--ro ospfv3:hello-interval?       common-def:time-interval-sec
|             +--ro ospfv3:dead-interval?        common-def:time-interval-sec
|             +--ro ospfv3:hello-jitter?         uint32
|             +--ro ospfv3:retransmit-interval?  common-def:time-interval-sec
|             +--ro ospfv3:transmit-delay?       common-def:time-interval-sec
+--rw extreme-interface:protocol
| +--rw vrrp:hide-vrrp-holder
|    +--rw vrrp:vrrp?         empty
|    +--rw vrrp:vrrp-extended?   empty
+--rw fcoe:fcoe-config
| +--rw fcoe:fcoe-enode-fabric-map [fcoe-enode-fabric-map-name]
| | +--rw fcoe:fcoe-enode-fabric-map-name    fcoe-enode-fabric-map-name-type
| +--rw fcoe:fcoe-max-enode?          fcoe-max-enodes-per-rbridge-type
+--rw brcd-aaa:root
| +--rw brcd-aaa:enable?   empty
| +--rw brcd-aaa:access?   root_access_type
+--rw ag:ag
| +--rw ag:enable?        empty
| +--rw ag:counter
| | +--rw ag:reliabilitycountervalue?   uint32
| +--rw ag:timeout
| | +--rw ag:fnmtovalue?   uint32
| +--rw ag:nport-menu
| | +--rw ag:nport-interface
| |    +--rw ag:nport [agNPortNb]
| |       +--rw ag:agNPortNb    nport-interfaces-type
| |       +--rw ag:map
| |          +--rw ag:map-fport
| |             +--rw ag:map-fport-interface
| |                +--rw ag:map-fcoe*   fport-interfaces-type
| +--rw ag:pg [pgid]
|    +--rw ag:pgid       pgid-type
|    +--rw ag:nport
```

```
|     |   +--rw ag:pg-nport-interface
|     |     +--rw ag:nports*   nport-interfaces-type
|     +--rw ag:modes*   pg-policy-types
|     +--rw ag:rename?   string
+--rw vrrp:vrrp
|  +--rw vrrp:early-startup?   empty
+--rw vrf:vrf [vrf-name]
|  +--rw vrf:vrf-name                 common-def:vrf-name
|  +--rw vrf:route-distiniguisher?    rd-type
|  +--rw vrf:vni?                     vni-type
|  +--rw vrf:route-target [action target-community]
|  |  +--rw vrf:action            enumeration
|  |  +--rw vrf:target-community   rt-type
|  +--rw vrf:address-family
|  |  +--rw vrf:ip
|  |  |  +--rw vrf:unicast?
|  |  |     +--rw vrf:max-route?      uint32
|  |  |     +--rw vrf:route-target [action target-community]
|  |  |     |  +--rw vrf:action            enumeration
|  |  |     |  +--rw vrf:target-community   rt-type
|  |  |     |  +--rw vrf:evpn?             empty
|  |  |     +--rw vrf:import
|  |  |     |  +--rw vrf:map-import?    route-map-type
|  |  |     |  +--rw vrf:evpn-import?   empty
|  |  |     +--rw vrf:export
|  |  |     |  +--rw vrf:map-export?    route-map-type
|  |  |     |  +--rw vrf:evpn-export?   empty
|  |  |     +--rw arp:arp-entry [arp-ip-address]
|  |  |     |  +--rw arp:arp-ip-address           arp-ip
|  |  |     |  +--rw arp:mac-address-value?       mac-access-list:mac-address-type
|  |  |     |  +--rw arp:interfacename?           enumeration
|  |  |     |  +--rw (interfacetype)?
|  |  |     |     +--:(Port-channel)
|  |  |     |     |  +--rw arp:Port-channel?             interface:portchannel-type
|  |  |     |     +--:(GigabitEthernet)
|  |  |     |     |  +--rw arp:GigabitEthernet?          interface:interface-type
|  |  |     |     +--:(TenGigabitEthernet)
|  |  |     |     |  +--rw arp:TenGigabitEthernet?       interface:interface-type
|  |  |     |     +--:(FortyGigabitEthernet)
|  |  |     |     |  +--rw arp:FortyGigabitEthernet?     interface:interface-type
|  |  |     |     +--:(HundredGigabitEthernet)
|  |  |     |     |  +--rw arp:HundredGigabitEthernet?   interface:interface-type
|  |  |     |     +--:(Ve)
|  |  |     |        +--rw arp:Ve?                       interface:vlan-type
|  |  |     +--rw rtm:ip
|  |  |        +--rw rtm:route
|  |  |           +--rw rtm:static-route-nh [static-route-dest static-route-next-hop]
|  |  |           |  +--rw rtm:static-route-dest       inet:ipv4-prefix
|  |  |           |  +--rw rtm:static-route-next-hop    inet:ipv4-address
|  |  |           |  +--rw rtm:route-attributes
|  |  |           |     +--rw rtm:metric?     uint32
|  |  |           |     +--rw rtm:distance?   uint32
|  |  |           |     +--rw rtm:tag?        uint32
|  |  |           +--rw rtm:static-route-nh-vrf [static-route-next-vrf-dest next-hop-vrf static-
route-next-hop]
|  |  |           |  +--rw rtm:static-route-next-vrf-dest   inet:ipv4-prefix
|  |  |           |  +--rw rtm:next-hop-vrf                 string
|  |  |           |  +--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                 string
|  |  |           |  +--rw rtm:static-route-oif-type        enumeration
|  |  |           |  +--rw rtm:static-route-oif-name        string
|  |  |           +--rw rtm:static-route-oif [static-route-dest static-route-oif-type static-
route-oif-name]
|  |  |           |  +--rw rtm:static-route-dest       inet:ipv4-prefix
|  |  |           |  +--rw rtm:static-route-oif-type   enumeration
|  |  |           |  +--rw rtm:static-route-oif-name   string
|  |  |           |  +--rw rtm:route-attributes
|  |  |           |     +--rw rtm:metric?     uint32
|  |  |           |     +--rw rtm:distance?   uint32
```

```
| | |         | |       +--rw rtm:tag?         uint32
| | |         | +--rw rtm:static
| | |         |    +--rw rtm:bfd
| | |         |       +--rw rtm:bfd-static-route [bfd-static-route-dest bfd-static-route-src]
| | |         |          +--rw rtm:bfd-static-route-dest     inet:ipv4-address
| | |         |          +--rw rtm:bfd-static-route-src      inet:ipv4-address
| | |         |          +--rw rtm:bfd-interval-attributes
| | |         |             +--rw rtm:interval?     uint16
| | |         |             +--rw rtm:min-rx?       uint16
| | |         |             +--rw rtm:multiplier?   uint8
| | |    +--rw rtm: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 vrf:ipv6
| |    +--rw vrf:unicast?
| |       +--rw vrf:max-route?       uint32
| |       +--rw vrf:route-target [action target-community]
| |       |  +--rw vrf:action              enumeration
| |       |  +--rw vrf:target-community    rt-type
| |       |  +--rw vrf:evpn?               empty
| |       +--rw vrf:import
| |       |  +--rw vrf:map-import?    route-map-type
| |       |  +--rw vrf:evpn-import?   empty
| |       +--rw vrf:export
| |       |  +--rw vrf:map-export?    route-map-type
| |       |  +--rw vrf:evpn-export?   empty
| |       +--rw ipv6-route:ipv6
| |          +--rw ipv6-route:route
| |             +--rw ipv6-route:static-route-nh [static-route-dest static-route-next-hop]
| |             |  +--rw ipv6-route:static-route-dest        inet:ipv6-prefix
| |             |  +--rw ipv6-route:static-route-next-hop    inet:ipv6-address
| |             |  +--rw ipv6-route:route-attributes
| |             |     +--rw ipv6-route:metric?     uint32
| |             |     +--rw ipv6-route:distance?   uint32
| |             |     +--rw ipv6-route:tag?        uint32
| |             +--rw ipv6-route:static-route-oif [static-route-dest static-route-oif-type
static-route-oif-name]
| |             |  +--rw ipv6-route:static-route-dest        inet:ipv6-prefix
| |             |  +--rw ipv6-route:static-route-oif-type    enumeration
| |             |  +--rw ipv6-route:static-route-oif-name    string
| |             |  +--rw ipv6-route:route-attributes
| |             |     +--rw ipv6-route:metric?     uint32
| |             |     +--rw ipv6-route:distance?   uint32
| |             |     +--rw ipv6-route:tag?        uint32
| |             +--rw ipv6-route:link-local-static-route-nh [link-local-static-route-dest link-
local-nexthop link-local-route-oif-type link-local-route-oif-name]
| |             |  +--rw ipv6-route:link-local-static-route-dest    inet:ipv6-prefix
| |             |  +--rw ipv6-route:link-local-nexthop              inet:ipv6-address
| |             |  +--rw ipv6-route:link-local-route-oif-type       enumeration
| |             |  +--rw ipv6-route:link-local-route-oif-name       string
| |             |  +--rw ipv6-route:route-attributes
| |             |     +--rw ipv6-route:metric?     uint32
| |             |     +--rw ipv6-route:distance?   uint32
| |             |     +--rw ipv6-route:tag?        uint32
| |             +--rw ipv6-route:static-route-nh-vrf [static-route-next-vrf-dest next-hop-vrf
static-route-next-hop]
| |             |  +--rw ipv6-route:static-route-next-vrf-dest   inet:ipv6-prefix
| |             |  +--rw ipv6-route:next-hop-vrf                 string
| |             |  +--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                 string
| |             |  +--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                 string
| |             |  +--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: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 vrf:ip
|    +--rw vrf:vrf-router-id?   inet:ipv4-address
o--rw arp:system-max
| +--rw arp:arp?   uint32
+--rw arp:arp-entry [arp-ip-address]
| +--rw arp:arp-ip-address         arp-ip
| +--rw arp:mac-address-value?     mac-access-list:mac-address-type
| +--rw arp:interfacename?         enumeration
| +--rw (interfacetype)?
|    +--:(Port-channel)
|    | +--rw arp:Port-channel?          interface:portchannel-type
|    +--:(GigabitEthernet)
|    | +--rw arp:GigabitEthernet?       interface:interface-type
|    +--:(TenGigabitEthernet)
|    | +--rw arp:TenGigabitEthernet?    interface:interface-type
|    +--:(FortyGigabitEthernet)
|    | +--rw arp:FortyGigabitEthernet?  interface:interface-type
|    +--:(HundredGigabitEthernet)
|    | +--rw arp:HundredGigabitEthernet? interface:interface-type
|    +--:(Ve)
|       +--rw arp:Ve?                   interface:vlan-type
+--rw arp:host-table
| +--rw arp:aging-mode
| | +--rw arp:conversational?   empty
| +--rw arp:aging-time
|    +--rw arp:conversational-timeout?   uint32
+--rw extreme-auto-shut-edge-port:vcs
| +--rw extreme-auto-shut-edge-port:auto-shut
|    +--rw extreme-auto-shut-edge-port:lag?   empty
+--rw bfd:bfd-session-setup-delay
| +--rw bfd:delay?   bfd-session-setup-delay
+--rw bgp:evpn-instance [instance-name]
| +--rw bgp:instance-name         evpn-type
| +--rw bgp:route-target
| | +--rw bgp:import [target-community]
| | | +--rw bgp:target-community    rt-type
| | | +--rw bgp:ignore-as?          empty
| | +--rw bgp:export [target-community]
| | | +--rw bgp:target-community    rt-type
| | +--rw bgp:both [target-community]
| |    +--rw bgp:target-community    rt-type
| |    +--rw bgp:ignore-as?          empty
| +--rw bgp:route-distinguisher
| | +--rw (ch-rd-type)?
| |    +--:(ca-rd-auto)
| |       +--rw bgp:auto?   empty
| +--rw bgp:df-delay-timer?        delay-timer
```

```
   |   +--rw bgp:duplicate-mac-timer
   |   |  +--rw bgp:duplicate-mac-timer-value?   dup-mac-timer
   |   |  +--rw bgp:max-count?                   max-count
   |   +--rw bgp:vni
   |      +--rw bgp:vni-add
   |      |  +--rw bgp:add?      evpn-vni-range
   |      |  +--rw bgp:remove?   evpn-vni-range
   |      +--rw bgp:evpn-vni [vni-number]
   |         +--rw bgp:vni-number      vni-type
   |         +--rw bgp:rd?             rd-type
   |         +--rw bgp:route-target
   |            +--rw bgp:import [target-community]
   |            |  +--rw bgp:target-community   rd-rt-type
   |            +--rw bgp:export [target-community]
   |            |  +--rw bgp:target-community   rd-rt-type
   |            +--rw bgp:both [target-community]
   |               +--rw bgp:target-community   rd-rt-type
+--rw bprate-limit:bp-rate-limit
   |   +--rw bprate-limit:heavy
   |   |  +--rw bprate-limit:module
   |   |     +--rw bprate-limit:add?      ui32-slot-range
   |   |     +--rw bprate-limit:remove?   ui32-slot-range
   |   +--rw bprate-limit:queue [queue-id]
   |      +--rw bprate-limit:queue-id         queue-id-type
   |      +--rw bprate-limit:limit-percent?   queue-limit-percentage-type
+--rw chassis:chassis
   |   +--rw chassis:virtual-ip?     common-def:ipv4-prefix-mask
   |   +--rw chassis:virtual-ipv6?   common-def:ipv6-address-prefix
   |   +--rw chassis:oper-address
   |      +--ro chassis:virtual-oper-Vip-address?     common-def:ipv4-address-prefix-type
   |      +--ro chassis:virtual-oper-VipV6-address*   string
+--rw clock-server:clock
   |   +--rw clock-server:timezone?   common-def:timezone
+--rw brcd-crypto:crypto
   |   +--rw brcd-crypto:key [label]
   |   |  +--rw brcd-crypto:label     string
   |   |  +--rw brcd-crypto:type?     key-type
   |   |  +--rw brcd-crypto:modulus?  uint32
   |   +--rw brcd-crypto:ca [trustpoint]
   |      +--rw brcd-crypto:trustpoint   string
   |      +--rw brcd-crypto:keypair?     string
+--rw extreme-default-config:default-config
   |   +--rw extreme-default-config:enable?   empty
+--rw event-handler:event-handler
   |   +--rw event-handler:activate
   |      +--rw event-handler:name [name]
   |         +--rw event-handler:name               common-def:name-string32
   |         +--rw event-handler:delay?             uint32
   |         +--rw event-handler:iterations?        uint32
   |         +--rw event-handler:interval?          uint32
   |         +--rw event-handler:run-mode?          enumeration
   |         +--rw event-handler:trigger-mode?      enumeration
   |         +--rw event-handler:trigger-function
   |         |  +--rw event-handler:trigger-function?   enumeration
   |         |  +--rw event-handler:time-window         uint32
   |         +--rw event-handler:action-timeout?    uint32
+--rw fabric-service:fabric
   |   +--rw fabric-service:ecmp
   |   |  +--rw fabric-service:ecmp-load-balance?        enumeration
   |   |  +--rw fabric-service:load-balance-hash-swap?   hashswap-type
   |   +--rw fabric-service:route
   |   |  +--rw fabric-service:mcast
   |   |     +--rw fabric-service:priority?   common-def:mcast-priority-type
   |   +--rw fabric-service:port-channel [po-id]
   |   |  +--rw fabric-service:po-id                 interface:portchannel-type
   |   |  +--rw fabric-service:vlag-load-balance?    enumeration
   |   +--rw fabric-service:login-policy
   |   |  +--rw fabric-service:duplicateWWN
   |   |     +--rw fabric-service:precedence?   enumeration
   |   +--rw fabric-service:neighbor-discovery?   empty
+--rw brcd-fc-auth:fcsp
   |   +--rw brcd-fc-auth:auth
```

```
      |     +--rw brcd-fc-auth:proto
      |     | +--rw brcd-fc-auth:auth-type?   fcsp-authtype
      |     | +--rw brcd-fc-auth:group?       string
      |     | +--rw brcd-fc-auth:hash?        fcsp-hashtype
      |     +--rw brcd-fc-auth:policy
      |        +--rw brcd-fc-auth:switch?   fcsp-switch-policy-state
   +--rw brcd-fc-auth:secpolicy
   |  +--rw brcd-fc-auth:defined-policy
   |  |  +--rw brcd-fc-auth:policies [policy]
   |  |     +--rw brcd-fc-auth:policy          secpolicy-type
   |  |     +--rw brcd-fc-auth:member-entry [member]
   |  |        +--rw brcd-fc-auth:member    string
   |  +--rw brcd-fc-auth:active-policy
   |     +--rw brcd-fc-auth:policies [policy]
   |        +--rw brcd-fc-auth:policy          secpolicy-type
   |        +--rw brcd-fc-auth:member-entry [member]
   |           +--rw brcd-fc-auth:member    string
   +--rw hardware:hardware-profile
   |  +--rw hardware:tcam
   |  |  +--rw hardware:predefined
   |  |     +--rw hardware:tcam_profiletype?   tcam-profile-subtype
   |  +--rw hardware:route-table
   |  |  +--rw hardware:predefined
   |  |     +--rw hardware:routing_profiletype?   routing-profile-subtype
   |  |     +--rw hardware:routing_parameter
   |  |        +--rw hardware:maximum_paths?     ecmp-subtype
   |  |        +--rw hardware:openflow_enable?   openflow-subtype
   |  +--rw hardware:vlan-classification
   |  |  +--rw hardware:predefined
   |  |     +--rw hardware:vlan_profiletype?   vlan-classification-subtype
   |  +--rw hardware:kap
   |     +--rw hardware:predefined
   |     | +--rw hardware:kap_profiletype?   kap-profile-subtype
   |     +--rw hardware:customized
   |        +--rw hardware:kap_profilename?   string
   +--rw http-config:http
   |  +--rw http-config:server
   |     +--rw http-config:shutdown?        empty
   |     +--rw http-config:http-vrf-cont
   |        +--rw http-config:use-vrf [use-vrf-name]
   |           +--rw http-config:use-vrf-name        string
   |           +--rw http-config:secure-and-plain?   empty
   |           +--rw http-config:http-vrf-shutdown?   empty
   +--rw ip-administration:dhcpd
   |  +--rw ip-administration:enable?   empty
   +--rw ip-policy:route-map [name action-rm instance]
   |  +--rw ip-policy:name         common-def:name-string63
   |  +--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:vrf?             common-def:vrf-name
   |     | +--rw ip-policy:interface
   |     | | | +--rw ip-policy:tengigabitethernet-rmm*       interface:interface-type
   |     | | | +--rw ip-policy:gigabitethernet-rmm*          interface:interface-type
   |     | | | +--rw ip-policy:fortygigabitethernet-rmm*     interface:interface-type
   |     | | | +--rw ip-policy:hundredgigabitethernet-rmm*   interface:interface-type
   |     | | | +--rw ip-policy:port-channel-rmm*             interface:portchannel-type
   |     | | | +--rw ip-policy:vlan-rmm*                     interface:vlan-type
   |     | | | +--rw ip-policy:loopback*                     loopback-intf:intf-loopback-port-type
   |     | | | +--rw ip-policy:ve*                           interface:ve-type
   |     | +--rw ip-policy:ipv6
   |     | | +--rw ip-policy:address
   |     | | | +--rw ip-policy:ipv6-prefix-list-rmm?   ipv6-prefix-name-t
   |     | | | +--rw ip-policy:ipv6-acl-rmm?           ipv6-access-list:ipv6-l3-acl-policy-name
   |     | | +--rw ip-policy:next-hop
   |     | | | +--rw ip-policy:ipv6-prefix-list-rmm-n?   ipv6-prefix-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?   ip-prefix-name-t
```

```
|       |  |  |  +--rw ip-policy:acl-rmm?              ip-access-list:l3-acl-policy-name
|       |  |  +--rw ip-policy:next-hop
|       |  |  |  +--rw ip-policy:prefix-list-rmm-n?   ip-prefix-name-t
|       |  |  +--rw ip-policy:route-source
|       |  |     +--rw ip-policy:prefix-list-rmrs?   string
|       |  +--rw ip-policy:extcommunity
|       |  |  +--rw ip-policy:extcommunity-num?   extcommunitylist-expr
|       |  +--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-as-path-name-t
|       |  +--rw ip-policy:community
|       |  |  +--rw ip-policy:community-access-list-name?   match-community-list-name-t
|       |  +--rw ip-policy:next-hop
|       |  |  +--rw ip-policy:next-hop-filter-val?   uint32
|       |  +--rw ip-policy:protocol
|       |     +--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:set
|       |  +--rw ip-policy:ip
|       |  |  +--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:global
|       |  |  |  +--rw ip-policy:next-global-hop [next-hop]
|       |  |  |     +--rw ip-policy:next-hop   inet:ipv4-address
|       |  |  +--rw ip-policy:next-ip
|       |  |  |  +--rw ip-policy:next-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: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: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: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:route-type
|       |  |  +--rw ip-policy:route-type-rms?   set-route-type-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: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: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:external?   empty
|     |     +--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
+--rw ip-policy:filter-change-update-delay [filter-delay-value]
|  +--rw ip-policy:filter-delay-value     uint32
+--rw linecard-management:global-lc-holder
|  +--rw linecard-management:linecard
|     +--rw linecard-management:linecards [linecardName]
|        +--rw linecard-management:linecardName     linecardid
|        +--rw linecard-management:linecardType?   enumeration
+--rw extreme-logical-chassis:logical-chassis
|  +--rw extreme-logical-chassis:principal-priority?   uint32
+--rw maps:maps
|  +--rw maps:logicalgroup [logicalgroupname]
|  |  +--rw maps:logicalgroupname    string
|  |  +--rw maps:elementtype?        enumeration
|  |  +--rw maps:members?            maps-interface-range-cli-pattern
|  +--rw maps:rule [rulename]
|  |  +--rw maps:rulename       string
|  |  +--rw maps:targetgroup?   string
|  |  +--rw maps:monitor?       enumeration
|  |  +--rw maps:timebase?      enumeration
|  |  +--rw maps:op?            enumeration
|  |  +--rw maps:threshold?     string
|  +--rw maps:policy [policyname]
|  |  +--rw maps:policyname    string
|  |  +--rw maps:ruleaction [policyrule]
|  |     +--rw maps:policyrule      string
|  |     +--rw maps:policyaction?   rule-maps-action-type
|  +--rw maps:enable
|  |  +--rw maps:policy?    string
|  |  +--rw maps:actions?   maps-action-type
|  +--rw maps:email
|  |  +--rw maps:email-list [email]
|  |     +--rw maps:email    string
|  +--rw maps:relay [hostip]
|     +--rw maps:hostip        inet:host
|     +--rw maps:domainname    string
+--rw openflow:openflow
|  +--rw openflow:logical-instance [instance-id]
|     +--rw openflow:instance-id                 uint32
|     +--rw openflow:version [version-name]
|     |  +--rw openflow:version-name     enumeration
|     +--rw openflow:controller [controller-name]
|     |  +--rw openflow:controller-name    openflow-controller-name-type
|     +--rw openflow:passive
|     |  +--rw openflow:no-ssl
```

```
|     |        +--rw openflow:passive-controller-flag?         empty
|     |        +--rw openflow:passive-controller-ip-address?   inet:ip-address
|     |        +--rw openflow:passive-controller-port?          uint32
|     |        +--rw openflow:passive-controller-vrf?           common-def:vrf-name
|     +--rw openflow:default-forwarding-action?   enumeration
|     +--rw openflow:activate?                     empty
+--rw qos:qos
|  +--rw qos:tx-queue
|  |  +--rw qos:tx-queue-limit?   uint32
|  +--rw qos:rcv-queue
|     +--rw qos:rcv-queue-limit?   uint32
|     +--rw qos:multicast
|        +--rw qos:rx-queue-bum-mode?   enumeration
+--rw resource-monitor:resource-monitor
|  +--rw resource-monitor:cpu
|  |  +--rw resource-monitor:enable-cpu?         empty
|  |  +--rw resource-monitor:threshold-cpu?      uint32
|  |  +--rw resource-monitor:action-cpu?         resource-monitor-actiontype
|  |  +--rw resource-monitor:sample-rate-cpu?    uint32
|  |  +--rw resource-monitor:logging-rate-cpu?   uint32
|  |  +--rw resource-monitor:grace-period-cpu?   uint32
|  |  +--rw resource-monitor:offset-cpu?         uint32
|  +--rw resource-monitor:memory
|  |  +--rw resource-monitor:enable-memory?         empty
|  |  +--rw resource-monitor:threshold-memory?      uint32
|  |  +--rw resource-monitor:action-memory?         resource-monitor-actiontype
|  |  +--rw resource-monitor:sample-rate-memory?    uint32
|  |  +--rw resource-monitor:logging-rate-memory?   uint32
|  |  +--rw resource-monitor:grace-period-memory?   uint32
|  |  +--rw resource-monitor:offset-memory?         uint32
|  +--rw resource-monitor:process
|     +--rw resource-monitor:memory
|        +--rw resource-monitor:enable-process?     empty
|        +--rw resource-monitor:thresh-mem-alarm?   uint32
|        +--rw resource-monitor:thresh-mem-critic?  uint32
+--rw brcd-sec-services:telnet
|  +--rw brcd-sec-services:server
|     +--rw brcd-sec-services:shutdown?         empty
|     +--rw brcd-sec-services:standby
|     |  +--rw brcd-sec-services:enable?   empty
|     +--rw brcd-sec-services:telnet-vrf-cont
|        +--rw brcd-sec-services:use-vrf [use-vrf-name]
|           +--rw brcd-sec-services:use-vrf-name           string
|           +--rw brcd-sec-services:telnet-vrf-shutdown?   empty
+--rw brcd-sec-services:ssh
|  +--rw brcd-sec-services:server
|  |  +--rw brcd-sec-services:shutdown?         empty
|  |  +--rw brcd-sec-services:key-exchange?     string
|  |  +--rw brcd-sec-services:rekey-interval?   uint32
|  |  +--rw brcd-sec-services:cipher?           string
|  |  +--rw brcd-sec-services:mac?              string
|  |  +--rw brcd-sec-services:max-sessions?     uint32
|  |  +--rw brcd-sec-services:standby
|  |  |  +--rw brcd-sec-services:enable?   empty
|  |  +--rw brcd-sec-services:key
|  |  |  +--rw brcd-sec-services:rsa?      rsa-bits-size
|  |  |  +--rw brcd-sec-services:ecdsa?    ecdsa-bits-size
|  |  |  +--rw brcd-sec-services:dsa?      empty
|  |  +--rw brcd-sec-services:ssh-vrf-cont
|  |     +--rw brcd-sec-services:use-vrf [use-vrf-name]
|  |        +--rw brcd-sec-services:use-vrf-name        string
|  |        +--rw brcd-sec-services:ssh-vrf-shutdown?   empty
|  +--rw brcd-sec-services:client
|     +--rw brcd-sec-services:cipher?         string
|     +--rw brcd-sec-services:mac?            string
|     +--rw brcd-sec-services:key-exchange?   string
+--rw snmp-server:snmp-server
|  +--rw snmp-server:engineID
|  |  +--rw snmp-server:local?   snmp-engineID
|  +--rw snmp-server:user [username]
|  |  +--rw snmp-server:username        string
|  |  +--rw snmp-server:groupname?      string
```

```
|   |   +--rw snmp-server:auth?            enumeration
|   |   +--rw snmp-server:auth-password?   string
|   |   +--rw snmp-server:priv?            enumeration
|   |   +--rw snmp-server:priv-password?   string
|   |   +--rw snmp-server:encrypted?       empty
|   +--rw snmp-server:v3host [hostip username]
|   |   +--rw snmp-server:hostip           inet:host
|   |   +--rw snmp-server:username         string
|   |   +--rw snmp-server:udp-port?        host-port
|   |   +--rw snmp-server:notifytype?      enumeration
|   |   +--rw snmp-server:engineid?        string
|   |   +--rw snmp-server:severity-level?  sev-level
|   +--rw snmp-server:offline-if
|   |   +--rw snmp-server:offline-if-display-enable?   empty
|   +--rw snmp-server:three-tuple-if
|       +--rw snmp-server:three-tuple-if-display-enable?   empty
+--rw system-monitor:system-monitor
|   +--rw system-monitor:fan
|   |   +--rw system-monitor:threshold
|   |   |   +--rw system-monitor:marginal-threshold?   uint32
|   |   |   +--rw system-monitor:down-threshold?       uint32
|   |   +--rw system-monitor:alert
|   |       +--rw system-monitor:state?    supported-state
|   |       +--rw system-monitor:action?   supported-actions
|   +--rw system-monitor:power
|   |   +--rw system-monitor:threshold
|   |   |   +--rw system-monitor:marginal-threshold?   uint32
|   |   |   +--rw system-monitor:down-threshold?       uint32
|   |   +--rw system-monitor:alert
|   |       +--rw system-monitor:state?    supported-state
|   |       +--rw system-monitor:action?   supported-actions
|   +--rw system-monitor:temp
|   |   +--rw system-monitor:threshold
|   |       +--rw system-monitor:marginal-threshold?   uint32
|   |       +--rw system-monitor:down-threshold?       uint32
|   +--rw system-monitor:cid-card
|   |   +--rw system-monitor:threshold
|   |   |   +--rw system-monitor:marginal-threshold?   uint32
|   |   |   +--rw system-monitor:down-threshold?       uint32
|   |   +--rw system-monitor:alert
|   |       +--rw system-monitor:state?    supported-state
|   |       +--rw system-monitor:action?   supported-actions
|   +--rw system-monitor:sfp
|   |   +--rw system-monitor:alert
|   |       +--rw system-monitor:state?    sfp-supported-state
|   |       +--rw system-monitor:action?   supported-actions
|   +--rw system-monitor:compact-flash
|   |   +--rw system-monitor:threshold
|   |       +--rw system-monitor:marginal-threshold?   uint32
|   |       +--rw system-monitor:down-threshold?       uint32
|   +--rw system-monitor:MM
|   |   +--rw system-monitor:threshold
|   |       +--rw system-monitor:marginal-threshold?   uint32
|   |       +--rw system-monitor:down-threshold?       uint32
|   +--rw system-monitor:LineCard
|   |   +--rw system-monitor:threshold
|   |   |   +--rw system-monitor:marginal-threshold?   uint32
|   |   |   +--rw system-monitor:down-threshold?       uint32
|   |   +--rw system-monitor:alert
|   |       +--rw system-monitor:state?    supported-state
|   |       +--rw system-monitor:action?   supported-actions
|   +--rw system-monitor:SFM
|       +--rw system-monitor:threshold
|           +--rw system-monitor:marginal-threshold?   uint32
|           +--rw system-monitor:down-threshold?       uint32
+--rw threshold-monitor:threshold-monitor
|   +--rw threshold-monitor:sfp
|   |   +--rw threshold-monitor:apply?   supported-config
|   |   +--rw threshold-monitor:pause?   empty
|   |   +--rw threshold-monitor:policy [policy_name]
|   |       +--rw threshold-monitor:policy_name    string
|   |       +--rw threshold-monitor:area [type area_value]
```

```
|  |          +--rw threshold-monitor:type             enumeration
|  |          +--rw threshold-monitor:area_value     enumeration
|  |          +--rw threshold-monitor:threshold
|  |          |  +--rw threshold-monitor:high-threshold?    int32
|  |          |  +--rw threshold-monitor:low-threshold?     int32
|  |          |  +--rw threshold-monitor:buffer?           int32
|  |          +--rw threshold-monitor:alert
|  |             +--rw threshold-monitor:above
|  |             |  +--rw threshold-monitor:above-highthresh-action?   supported-actions
|  |             +--rw threshold-monitor:below
|  |                +--rw threshold-monitor:below-highthresh-action?   supported-actions
|  |                +--rw threshold-monitor:below-lowthresh-action?    supported-actions
|  +--rw threshold-monitor:security
|  |  +--rw threshold-monitor:apply?    supported-config
|  |  +--rw threshold-monitor:pause?    empty
|  |  +--rw threshold-monitor:policy [sec_policy_name]
|  |     +--rw threshold-monitor:sec_policy_name    string
|  |     +--rw threshold-monitor:area [sec_area_value]
|  |        +--rw threshold-monitor:sec_area_value    enumeration
|  |        +--rw threshold-monitor:timebase?          supported-timebase
|  |        +--rw threshold-monitor:threshold
|  |        |  +--rw threshold-monitor:sec-high-threshold?   int32
|  |        |  +--rw threshold-monitor:sec-low-threshold?    int32
|  |        |  +--rw threshold-monitor:sec-buffer?          int32
|  |        +--rw threshold-monitor:alert
|  |           +--rw threshold-monitor:above
|  |           |  +--rw threshold-monitor:sec-above-highthresh-action?   supported-actions
|  |           +--rw threshold-monitor:below
|  |              +--rw threshold-monitor:sec-below-highthresh-action?   supported-actions
|  |              +--rw threshold-monitor:sec-below-lowthresh-action?    supported-actions
|  +--rw threshold-monitor:Cpu
|  |  +--rw threshold-monitor:poll?      uint32
|  |  +--rw threshold-monitor:retry?     uint32
|  |  +--rw threshold-monitor:limit?     uint32
|  |  +--rw threshold-monitor:actions?   enumeration
|  +--rw threshold-monitor:Memory
|  |  +--rw threshold-monitor:poll?         uint32
|  |  +--rw threshold-monitor:retry?        uint32
|  |  +--rw threshold-monitor:limit?        uint32
|  |  +--rw threshold-monitor:high-limit?   uint32
|  |  +--rw threshold-monitor:low-limit?    uint32
|  |  +--rw threshold-monitor:actions?      enumeration
|  +--rw threshold-monitor:interface
|     +--rw threshold-monitor:apply?    supported-config
|     +--rw threshold-monitor:pause?    empty
|     +--rw threshold-monitor:policy [policy_name]
|        +--rw threshold-monitor:policy_name    string
|        +--rw threshold-monitor:area [type area_value]
|           +--rw threshold-monitor:type           enumeration
|           +--rw threshold-monitor:area_value     enumeration
|           +--rw threshold-monitor:threshold
|           |  +--rw threshold-monitor:timebase_value?   supported-timebase
|           |  +--rw threshold-monitor:high-threshold?   int32
|           |  +--rw threshold-monitor:low-threshold?    int32
|           |  +--rw threshold-monitor:buffer?           int32
|           +--rw threshold-monitor:alert
|              +--rw threshold-monitor:above
|              |  +--rw threshold-monitor:above-highthresh-action?   int-supported-actions
|              |  +--rw threshold-monitor:above-lowthresh-action?    supported-actions
|              +--rw threshold-monitor:below
|                 +--rw threshold-monitor:below-highthresh-action?   supported-actions
|                 +--rw threshold-monitor:below-lowthresh-action?    supported-actions
+--rw vrrpv3:vrrp-rbridge-global
|  +--rw vrrpv3:vrrp-acceptmode-disable?   empty
+--rw xstp:spanning-tree
   +--rw xstp:ieee-bpdu
      +--rw xstp:limit-vlan-flood?    empty
```

History

Release version	History
7.0.0	This YANG module was modified to include the following: • Leaf *maintenance* was added under container *system-mode* within list *rbridge-id*.
7.0.1	This YANG module was modified to include the following: • Leaf *swbd-number* was added under list *rbridge-id*. • Container *fabric* containing leaf*neighbor-discovery* was added.
7.1.0	This YANG module was modified to include the following: • Added leaf *ext-community-regex* under group *extcommunity-list-rules*. • Container *static-ag-ip-config* was added. • Leaf *ip-anycast-gateway-mac* and *ip-anycast-default-mac* were added under container *static-ag-ip-config*. • Added leaf *listen-limit* under container *bfd* • Under grouping *listen-range-peer-config-cmds* added key *listen-range-prefix peer-group*, leaf *listen-range-prefix* , leaf *peer-group*, and *leaf limit*. • Changed the type to *arp-ip* from *inet:ipv4-address* for leaf *arp-ip-address* under the container *system-max.* • Under container *bp-rate-limit*, added list *queue* and leaf *limit-percent*. • Leaf *plain-and-secure* was added under *http-vrf-cont* .
7.2.0	This YANG module was modified to include the following: • Added container leaves: *accept-lldp-neighbors*, *password*, and *peer-group* under BGP neighbor • Added leaf *ipv4-acl* under container tcam. • Under container graceful-shutdown: added leaves *local-preference* and *route-map*.

extreme-rmon

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

Top-level container

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

External augmentations

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

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

module: extreme-interface
   +--rw interface
   |  +--rw fortygigabitethernet [name]
   |  |  +--rw rmon:rmon
   |  |  |  +--rw rmon:collection
```

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

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

extreme-rpf

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

Top-level container

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

History

Release version	History
7.2.0	This YANG module was introduced.

extreme-rtm

Provides a data model for IP routes.

External augmentations

extreme-sec-services

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

Top-level container

```
module: extreme-sec-services
    +--rw telnet-sa
    |  +--rw telnet
    |     +--rw server
    |        +--rw shutdown?           empty
    |        +--rw standby
    |        |  +--rw enable?    empty
    |        +--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 shutdown?        empty
          |  +--rw key-exchange?    string
          |  +--rw rekey-interval?  uint32
          |  +--rw cipher?          string
          |  +--rw mac?             string
          |  +--rw max-sessions?    uint32
          |  +--rw standby
          |  |  +--rw enable?    empty
          |  +--rw key
          |  |  +--rw rsa?      rsa-bits-size
          |  |  +--rw ecdsa?    ecdsa-bits-size
          |  |  +--rw dsa?      empty
          |  +--rw ssh-vrf-cont
          |     +--rw use-vrf [use-vrf-name]
          |        +--rw use-vrf-name         string
          |        +--rw ssh-vrf-shutdown?    empty
          +--rw client
             +--rw cipher?         string
             +--rw mac?            string
             +--rw key-exchange?   string
```

External augmentations

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

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

Actions

Display the Telnet server status:

```
module: extreme-common-def
    +--rw show
    |  +--rw brcd-sec-services:telnet
    |  |  +--rw brcd-sec-services:server
    |  |     +--ro brcd-sec-services:status
```

```
|  |           +--ro brcd-sec-services:input
|  |           +--ro brcd-sec-services:output
```

Display the SSH server status:

```
module: extreme-common-def
   +--rw show
   |  +--rw brcd-sec-services:ssh
   |  |  +--rw brcd-sec-services:server
   |  |  |  +--ro brcd-sec-services:status
   |  |  |      +--ro brcd-sec-services:input
   |  |  |      +--ro brcd-sec-services:output
   |  |  +--rw brcd-sec-services:client
   |  |      +--ro brcd-sec-services:status
   |  |          +--ro brcd-sec-services:input
   |  |          +--ro brcd-sec-services:output
```

History

Release version	History
7.1.0	Added leaf *max-sessions* under container *server*.

extreme-sflow

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

Top-level container

```
module: extreme-sflow
   +--rw sflow
   |  +--rw enable?                empty
   |  +--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:vrf-name
   |  +--rw source-ip?         enumeration
   |  +--rw polling-interval?  uint32
   |  +--rw sample-rate?       uint32
   +--rw sflow-profile [profile-name]
      +--rw profile-name            profile-name-type
      +--rw profile-sampling-rate?  uint32
```

External augmentations

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


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


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


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

History

Release version	History
7.1.0	This YANG module was introduced.

extreme-snmp

Provides a data model for configuring the SNMP server.

Top-level container

```
module: extreme-snmp
  +--rw snmp-server
     +--rw context [context-name]
     |  +--rw context-name    string
     |  +--rw vrf-name?        string
     +--rw community [community]
     |  +--rw community     string
     |  +--rw groupname?    string
     |  +--rw ipv4-acl?     std-ip-acl-policy-name
     |  +--rw ipv6-acl?     std-ip-acl-policy-name
     +--rw user [username]
     |  +--rw username         string
     |  +--rw groupname?       string
     |  +--rw auth?            enumeration
     |  +--rw auth-password?   string
     |  +--rw priv?            enumeration
     |  +--rw priv-password?   string
     |  +--rw encrypted?       empty
     |  +--rw ipv4-acl?        std-ip-acl-policy-name
     |  +--rw ipv6-acl?        std-ip-acl-policy-name
     +--rw v3host [hostip username]
     |  +--rw hostip           inet:host
     |  +--rw username         string
     |  +--rw udp-port?        host-port
     |  +--rw notifytype?      enumeration
     |  +--rw engineid?        string
     |  +--rw severity-level?  sev-level
     |  +--rw use-vrf?         use-vrf-option
     +--rw host [ip community]
     |  +--rw ip               inet:host
     |  +--rw version?         host-version
     |  +--rw community        string
     |  +--rw udp-port?        host-port
     |  +--rw severity-level?  sev-level
     |  +--rw use-vrf?         use-vrf-option
     +--rw agtconfig
     |  +--rw contact?     system-contact
     |  +--rw location?    system-location
     |  +--rw sys-descr?   system-description
     +--rw enable
     |  +--rw trap
     |     +--rw trap-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
```

External augmentations

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

extreme-span

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

Top-level container

```
module: extreme-span
  +--rw monitor
     +--rw session [session-number]
        +--rw session-number    session-type
        +--rw description?       string
        +--rw span-command
           +--rw source?                     enumeration
           +--rw src-tengigabitethernet?     enumeration
           +--rw src-tengigabitethernet-val? span-if-type
           +--rw destination?                enumeration
           +--rw dest-tengigabitethernet?    enumeration
           +--rw dest-tengigabitethernet-val? span-if-type
           +--rw dest-vlan-val?              interface:vlan-type
           +--rw direction?                  enumeration
```

External augmentations

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

History

Release version	History
7.1.0	This Yang Module was introduced.

extreme-sysmgr

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

External augmentations

```
module: extreme-common-def
   +--rw sysmgr:bpswitch
   |     +--ro sysmgr:clear-stats
   |         +--ro sysmgr:input
   |         +--ro sysmgr:output

module: extreme-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
```

History

Release version	History
17s.1.00	This YANG module was introduced.

extreme-system

Provides a data model for system-related information.

RPCs

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

History

extreme-system-capabilities

Displays system capabilities of the extreme device.

Top-level container

```
module: extreme-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-intf-default-cos?            boolean
        |   |   +--ro qos-intf-default-traffic-class?    boolean
        |   |   +--ro flowcontrol
        |   |       +--ro clear-qos-flowcontrol-statistics?    boolean
        |   +--ro mqc
        |       +--ro span?                  boolean
        |       +--ro vlan-based-actions?    boolean
        |       +--ro bd-based-actions?      boolean
        +--ro l3
        |   +--ro rpf?    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 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 ingress?    boolean
        +--ro vlan
            +--ro vlan-ipv6?    boolean
```

History

Release version	History
16r.1.00	This YANG module was introduced.

extreme-system-monitor

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

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

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

Top-level container

```
module: extreme-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
```

extreme-system-monitor-ext

Provides a data model for returning system monitor data.

External augmentations

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

RPCs

```
+---x show-system-monitor
     +--ro input
     |  +--ro rbridge-id?   common-def:rbridge-id-all-type
     +--ro output
        +--ro switch-status
           +--ro rbridge-id-out?       common-def:rbridge-id-type
           +--ro switch-name?          string
           +--ro switch-ip?            inet:ip-address
           +--ro report-time?          ietfyang:date-and-time
           +--ro switch-state?         system-monitor-health-state-enum
           +--ro switch-state-reason?  string
           +--ro component-status
           |  +--ro component-name?    string
           |  +--ro component-state?   system-monitor-health-state-enum
           +--ro port-status
              +--ro port-area?    uint32
              +--ro port-name?    string
              +--ro port-state?   system-monitor-port-state-enum
```

Actions

```
module: extreme-common-def
   +--rw show
   |  +--rw system-monitor-extensions:system
   |  |  +--ro system-monitor-extensions:monitor
   |  |     +--ro system-monitor-extensions:input
   |  |     +--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
```

extreme-terminal

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

Top-level container

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

extreme-threshold-monitor

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

The following components are monitored:

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

Top-level container

```
module: 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 limit?       uint32
        |  +--rw high-limit?  uint32
        |  +--rw low-limit?   uint32
        |  +--rw actions?     enumeration
        +--rw Buffer
           +--rw poll?      uint32
           +--rw retry?     uint32
           +--rw limit?     uint32
           +--rw actions?   enumeration
```

extreme-threshold-monitor-ext

Provides a data model for returning threshold monitor data.

External augmentations

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

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
```

Actions

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

Show default threshold and alert values for SFP:

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

Show default threshold and alert values for interface:

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

Display default threshold and alert values for security:

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

History

extreme-tunnels

Provides a data model to manage tunnels configuration.

Top-level container

```
module: extreme-tunnels
    +--rw nsx-controller [name]
    |  +--rw name                   nvp-controller-name-type
    |  +--rw connection-addr /*alt-name:"ip"*/
    |  |  +--rw address?   inet:ip-address
    |  |  +--rw port?      uint32
    |  |  +--rw method?    enumeration
    |  +--rw reconnect-interval?   uint32
    |  +--rw activate?             empty
    +--rw overlay-gateway [name]
    |  +--rw name               overlay-gw-name-type
    |  +--rw gw-type?           overlay-gw-type /*alt-name "type"*/
    |  +--rw ip
    |  |  +--rw interface
    |  |     +--rw ve /*alt-name "Ve"*/
    |  |     |  +--rw ve-id?                       intf:ve-type /*drop-node-name*/
    |  |     |  +--rw vrrp-extended-group?         vrrp:vrid-type
    |  |     |  +--rw fabric-virtual-gateway?
    |  |     +--rw loopback /*alt-name "Loopback"*/
    |  |        +--rw loopback-id?   lo:intf-loopback-port-type /*drop-node-name*/
    |  +--rw attach
    |  |  +--rw vlan [vid mac]
    |  |     +--rw vid    uint32
    |  |     +--rw mac    mac-address-type
    |  +--rw map
    |  |  +--rw vlan-vni-mapping [vid] /*drop-node-name*/
    |  |  |  +--rw vid    vfab-type /*alt-name "vlan"*/
    |  |  |  +--rw vni?   vni-type
    |  |  +--rw vlan
    |  |     +--rw vni
    |  |        +--rw auto?   empty
    |  +--rw site [name]
    |  |  +--rw name               site-id-type
    |  |  +--rw tunnel-dst [address] /*alt-name ip*/
    |  |  |  +--rw address    inet:ip-address
    |  |  +--rw extend
    |  |  |  +--rw vlan
    |  |  |     +--rw add?      vfab-range-type
    |  |  |     +--rw remove?   vfab-range-type
    |  |  +--rw mac-learning
    |  |  |  +--rw protocol?   mac-learning-proto-type
    |  |  +--rw bfd-enable?        empty /*alt-name "bfd"*/
    |  |  +--rw bfd /*drop-node-name*/
    |  |  |  +--rw params /*alt-name "bfd"*/
    |  |  |     +--rw interval
    |  |  |     |  +--rw min-tx?       bfd-tx-interval-type /*drop-node-name*/
    |  |  |     |  +--rw min-rx?       bfd-rx-interval-type
    |  |  |     |  +--rw multiplier?   bfd-multiplier-type
    |  |  |     +--rw bfd-shutdown?   empty /*alt-name "shutdown"*/
    |  |  +--rw shutdown?        empty
    |  +--rw enable
    |  |  +--rw statistics
    |  |     +--rw stats-direction?   direction-type /*alt-name "direction"*/
    |  |     +--rw vlan-action?       enumeration /*alt-name "vlan"*/
    |  |     +--rw vlan-list?         vfab-range-type /*drop-node-name*/
    |  +--rw monitor [session]
    |  |  +--rw session            span:session-type
    |  |  +--rw direction?         direction-type
    |  |  +--rw remote-endpoint?   union
    |  |  +--rw vlan-leaf          enumeration /*drop-node-name*/
    |  |  +--rw vlan-add-remove?   enumeration /*drop-node-name*/
    |  |  +--rw vlan-range?        vfab-range-type /*drop-node-name*/
```

```
|  +--rw sflow [sflow-profile-name]
|  |  +--rw sflow-profile-name        sflow:profile-name-type /*drop-node-name*/
|  |  +--rw sflow-remote-endpoint?    union /*alt-name "remote-endpoint"*/
|  |  +--rw sflow-vlan-action         enumeration /*alt-name "vlan"*/
|  |  +--rw sflow-vlan-range?         vfab-range-type /*drop-node-name*/
|  +--rw access-lists /*drop-node-name*/
|  |  +--rw mac
|  |  |  +--rw in /*drop-node-name*/
|  |  |  |  +--rw mac-acl-in-name?   mac-access-list:mac-acl-name /*alt-name "access-group"*/
|  |  |  |  +--rw mac-acl-in-dir?    empty /*alt-name "in"*/
|  |  |  +--rw out /*drop-node-name*/
|  |  |     +--rw mac-acl-out-name?  mac-access-list:mac-acl-name /*alt-name "access-group"*/
|  |  |     +--rw mac-acl-out-dir?   empty /*alt-name "out"*/
|  |  +--rw ipv4 /*alt-name "ip"*/
|  |  |  +--rw in /*drop-node-name*/
|  |  |  |  +--rw ipv4-acl-in-name?   ip-access-list:l3-acl-policy-name /*alt-name "access-group"*/
|  |  |  |  +--rw ipv4-acl-in-dir?    empty /*alt-name "in"*/
|  |  |  +--rw out /*drop-node-name*/
|  |  |     +--rw ipv4-acl-out-name?  ip-access-list:l3-acl-policy-name /*alt-name "access-group"*/
|  |  |     +--rw ipv4-acl-out-dir?   empty /*alt-name "out"*/
|  |  +--rw ipv6
|  |     +--rw in /*drop-node-name*/
|  |     |  +--rw ipv6-acl-in-name?   ip-access-list:l3-acl-policy-name /*alt-name "access-group"*/
|  |     |  +--rw ipv6-acl-in-dir?    empty /*alt-name "in"*/
|  |     +--rw out /*drop-node-name*/
|  |        +--rw ipv6-acl-out-name?  ip-access-list:l3-acl-policy-name /*alt-name "access-group"*/
|  |        +--rw ipv6-acl-out-dir?   empty /*alt-name "out"*/
|  +--rw activate?        empty
+--rw ovsdb-server [name]
|  +--rw name        ovsdb-server-name-type
|  +--rw ip
|  |  +--rw address?   inet:ip-address
|  +--rw method?      enumeration
|  +--rw port?        ovsdb-server-port-type
|  +--rw activate?    empty
+--rw tunnel-settings /*drop-node-name*/
   +--rw system
      +--rw tunnel
         +--rw suppress-debounce?   empty
         +--rw replicator
            +--rw load-balance?   empty
```

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Leaf *bfd-enable* was added within *overlay-gateway* (list) -> *site* (list). • Container *bfd* containing leaves *min-tx*, *min-rx*, and *multiplier* was added within container *interval* under *overlay-gateway* (list) -> *site* (list). • Container *bfd* containing leaf *bfd-shutdown* was added under *overlay-gateway* (list) -> *site* (list).
7.0.0	This YANG module was modified to include the following: • Leaf *protocol* was added within *overlay-gateway* (list) -> *site* (container) -> *mac-learning* (container). • Container *ovsdb-server* containing leaves *name*, *port*, and *activate* was added.
7.0.1	This YANG module was modified to include the following: • Container *tunnel-settings* containing leaf *suppress-debounce* was added. • Container *replicator* containing leaf *load-balance* was added.
7.1.0	This YANG module was modified to include the following: • Added leaf *ip* and leaf *method* under list *ovsdb-server*.

extreme-udld

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

External augmentations

```
module: extreme-interface
   +--rw protocol
   |  +--rw udld:udld?
   |  |  +--rw udld:hello?        uint32
   |  |  +--rw udld:multiplier?   uint32
   |  |  +--rw udld:shutdown?     empty

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

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

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

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

History

extreme-vcs

Provides a data model for managing the extreme VCS fabric.

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

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

Top-level container

```
module: extreme-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

```
+---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
```

History

Release version	History
16r.1.00	This YANG module was introduced.

extreme-vswitch

Manages the virtual switch features.

Top-level container

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

RPCs

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

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

History

Release version	History
7.0.0	This YANG module was introduced.
7.2.0	This module was modified to include the following. Added a new leaf *vlan-create*.

extreme-vlan

Provides a data model for managing VLAN classifiers.

Top-level container

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

External augmentations

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

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

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

module: extreme-interface
   +--rw interface
   |  +--rw hundredgigabitethernet [name]
   |  |  +--rw extreme-vlan:vlan
   |  |  |  +--rw extreme-vlan:classifier
```

```
    |   |   |       +--rw extreme-vlan:activate
    |   |   |         +--rw extreme-vlan:group [groupid]
    |   |   |            +--rw extreme-vlan:groupid    uint32
    |   |   |            +--rw extreme-vlan:vlan?       interface:vlan-type

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

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

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

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

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

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

extreme-vrf

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

Top-level container

```
module: extreme-vrf
   +--rw vrf [vrf-name]
      +--rw vrf-name                common-def:vrf-name
      +--rw route-distiniguisher?   rd-type
      +--rw route-target [action target-community]
      |  +--rw action              enumeration
      |  +--rw target-community    rt-type
      +--rw address-family
      |  +--rw ip
      |  |  +--rw unicast?
      |  |     +--rw max-route?   uint32
      |  +--rw ipv6
      |     +--rw unicast?
      |        +--rw max-route?   uint32
      +--rw ip
         +--rw vrf-router-id?   inet:ipv4-address
```

External augmentations

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

History

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

extreme–vrrp

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

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

Top-level container

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

External augmentations

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

```
      |   |   |   +--ro vrrp:short-path-forwarding
      |   |   |   |  +--ro vrrp:basic?                     empty
      |   |   |   |  +--ro vrrp:revert-priority?           uint8
      |   |   |   +--ro vrrp:advertisement-interval-scale?    uint32
      +--rw extreme-interface:protocol
      |  +--rw vrrp:hide-vrrp-holder /*drop-node-name*/
      |      +--rw vrrp:vrrp?            empty
      |      +--rw vrrp:vrrp-extended?   empty


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


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

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


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


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


  module: extreme-interface
     +--rw interface
     |  +--rw gigabitethernet [name]
     |  |  +--rw vrrp:vrrp [vrid version] /*alt-name:"vrrp-group"*/
     |  |  |  +--rw vrrp:vrid                      vrid-type
     |  |  |  +--rw vrrp:version                   uint8
     |  |  |  +--rw vrrp:use-v2-checksum?          empty
     |  |  |  +--rw vrrp:virtual-ip [virtual-ipaddr]
     |  |  |  |  +--rw vrrp:virtual-ipaddr    inet:ipv4-address
     |  |  |  +--rw vrrp:track
     |  |  |  |  +--rw vrrp:interface [interface-type interface-name] /*drop-node-name*/
     |  |  |  |     +--rw vrrp:interface-type    track-iftype /*drop-node-name*/
     |  |  |  |     +--rw vrrp:interface-name    track-ifname /*drop-node-name*/
     |  |  |  |     +--rw vrrp:track-priority?   uint8 /*alt-name:priority*/
```

```
      |  |  |  +--rw vrrp:advertisement-interval?   uint32
      |  |  |  +--rw vrrp:enable?                    empty
      |  |  |  +--rw vrrp:hold-time?                 uint32
      |  |  |  +--rw vrrp:preempt-mode?              empty
      |  |  |  +--rw vrrp:arp
      |  |  |  |  +--rw vrrp:unicast-request
      |  |  |  |     +--rw vrrp:receive?   empty
      |  |  |  +--rw vrrp:priority?                  uint8
      |  |  |  +--rw vrrp:description?               string


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


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


   module: extreme-interface
      +--rw interface
      |  +--rw hundredgigabitethernet [name]
      |  |  +--rw vrrp:vrrp [vrid version] /*alt-name:"vrrp-group"*/
      |  |  |  +--rw vrrp:vrid                       vrid-type
      |  |  |  +--rw vrrp:version                    uint8
      |  |  |  +--rw vrrp:use-v2-checksum?           empty
      |  |  |  +--rw vrrp:virtual-ip [virtual-ipaddr]
      |  |  |  |  +--rw vrrp:virtual-ipaddr    inet:ipv4-address
      |  |  |  +--rw vrrp:track
      |  |  |  |  +--rw vrrp:interface [interface-type interface-name] /*drop-node-name*/
```

```
|  |  |  |       +--rw vrrp:interface-type   track-iftype /*drop-node-name*/
|  |  |  |       +--rw vrrp:interface-name   track-ifname /*drop-node-name*/
|  |  |  |       +--rw vrrp:track-priority?  uint8 /*alt-name:priority*/
|  |  |  +--rw vrrp:advertisement-interval?   uint32
|  |  |  +--rw vrrp:enable?                   empty
|  |  |  +--rw vrrp:hold-time?                uint32
|  |  |  +--rw vrrp:preempt-mode?             empty
|  |  |  +--rw vrrp:arp
|  |  |  |  +--rw vrrp:unicast-request
|  |  |  |     +--rw vrrp:receive?   empty
|  |  |  +--rw vrrp:priority?                 uint8
|  |  |  +--rw vrrp:description?               string
```

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

History

Release version	History
6.0.1	This YANG module was modified to include the following: • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /rbridge:rbridge-id/interface:interface/interface:ve. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface-vlan/interface:interface/interface:ve. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:port-channel. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:tengigabitethernet. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:gigabitethernet. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:fortygigabitethernet. • Container *arp* containing leaf *receive* within container *unicast-request* was added in the augment to /interface:interface/interface:hundredgigabitethernet. • Leaves *network-address* and *network-priority* were added within list *network* under container *track* in the augment to /rbridge:rbridge-id/interface:interface/interface:ve.
7.0.0	This YANG module was modified to include the following: • Leaf *use-v2-checksum* was added under list *vrrp* in augment to /interface:interface/interface:port-channel.

Release version	History
	• Leaves *ip-anycast-gateway-mac* and *ip-anycast-default-mac* were added within *static-ag-ip-config* (container) -> *anycast-gateway-mac* (container) in augment to /rbridge:rbridge-id/rbridge:ip.
	• Leaves *ipv6-anycast-gateway-mac* and *ipv6-anycast-default-mac* were added within *static-ag-ipv6-config* (container) -> *anycast-gateway-mac* (container) in augment to /rbridge:rbridge-id/rbridge:ipv6.
	• Leaf *ip-address* was added within list *ip-anycast-address* in augment to /rbridge:rbridge-id/interface:interface/interface:ve/ip-config:ip.
	• Leaf *ipv6-address* was added within list *ipv6-anycast-address* in augment to /rbridge:rbridge-id/interface:interface/interface:ve/ipv6-config:ipv6.
	• Type of leaf *network-address* under list *network* within container *track* changed from comn:ipv4-prefix-mask to union.
	• Leaf *early-startup* was added with container *vrrp* in augment to /rbridge:rbridge-id.

extreme-vrrpv3

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

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

Top-level container

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

External augmentations

```
module: extreme-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
```

History

Release version	History
16r.1.00	This YANG module was introduced.

extreme-xstp

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

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

External augmentations

```
module: extreme-interface
  +--rw interface
  |  +--rw gigabitethernet [name]
  |  |  +--rw xstp:bpdu-drop
  |  |  |  +--rw xstp:enable?        empty
  |  |  |  +--rw xstp:direction?     enumeration /*drop-node-name*/
  |  |  +--rw xstp:tunnel
  |  |  |  +--rw xstp:tagged-ieee-bpdu?   empty
  |  |  +--rw xstp:spanning-tree
  |  |     +--rw xstp:autoedge?           empty
  |  |     +--rw xstp:cost?               uint32
  |  |     +--rw xstp:portfast
  |  |     |  +--rw xstp:portfastbasic?   empty /*drop-node-name*/
  |  |     |  +--rw xstp:bpdu-guard?      empty
  |  |     |  +--rw xstp:bpdu-filter?     empty
  |  |     +--rw xstp:edgeport
  |  |     |  +--rw xstp:edgeportbasic?   empty /*drop-node-name*/
  |  |     |  +--rw xstp:bpdu-guard?      empty
  |  |     |  +--rw xstp:bpdu-filter?     empty
  |  |     +--rw xstp:guard
  |  |     |  +--rw xstp:root?   empty
  |  |     +--rw xstp:hello-time?         uint32
  |  |     +--rw xstp:bpdu-mac?           enumeration
  |  |     +--rw xstp:link-type?          enumeration
  |  |     +--rw xstp:priority?           uint32
  |  |     +--rw xstp:restricted-role?    empty
  |  |     +--rw xstp:restricted-tcn?     empty
  |  |     +--rw xstp:shutdown?           empty
  |  |     +--rw xstp:vlan [id]
  |  |     |  +--rw xstp:id            uint32
  |  |     |  +--rw xstp:cost?         uint32
  |  |     |  +--rw xstp:priority?   uint32
  |  |     |  +--rw xstp:guard
  |  |     |     +--rw xstp:root?   empty
  |  |     +--rw xstp:instance [id]
  |  |        +--rw xstp:id               mstp-instance-type
  |  |        +--rw xstp:cost?            uint32
  |  |        +--rw xstp:priority?        uint32
  |  |        +--rw xstp:restricted-role?    empty
  |  |        +--rw xstp:restricted-tcn?     empty
  |  +--rw tengigabitethernet [name]
  |  |  +--rw xstp:bpdu-drop
  |  |  |  +--rw xstp:enable?        empty
  |  |  |  +--rw xstp:direction?     enumeration /*drop-node-name*/
  |  |  +--rw xstp:tunnel
  |  |  |  +--rw xstp:tagged-ieee-bpdu?   empty
  |  |  +--rw xstp:spanning-tree
  |  |     +--rw xstp:autoedge?           empty
  |  |     +--rw xstp:cost?               uint32
  |  |     +--rw xstp:portfast
  |  |     |  +--rw xstp:portfastbasic?   empty /*drop-node-name*/
  |  |     |  +--rw xstp:bpdu-guard?      empty
  |  |     |  +--rw xstp:bpdu-filter?     empty
  |  |     +--rw xstp:edgeport
  |  |     |  +--rw xstp:edgeportbasic?   empty /*drop-node-name*/
  |  |     |  +--rw xstp:bpdu-guard?      empty
  |  |     |  +--rw xstp:bpdu-filter?     empty
  |  |     +--rw xstp:guard
```

```
|  |        |  +--rw xstp:root?    empty
|  |        +--rw xstp:hello-time?         uint32
|  |        +--rw xstp:bpdu-mac?           enumeration
|  |        +--rw xstp:link-type?          enumeration
|  |        +--rw xstp:priority?           uint32
|  |        +--rw xstp:restricted-role?    empty
|  |        +--rw xstp:restricted-tcn?     empty
|  |        +--rw xstp:shutdown?           empty
|  |        +--rw xstp:vlan [id]
|  |        |  +--rw xstp:id          uint32
|  |        |  +--rw xstp:cost?       uint32
|  |        |  +--rw xstp:priority?   uint32
|  |        |  +--rw xstp:guard
|  |        |     +--rw xstp:root?    empty
|  |        +--rw xstp:instance [id]
|  |           +--rw xstp:id                  mstp-instance-type
|  |           +--rw xstp:cost?               uint32
|  |           +--rw xstp:priority?           uint32
|  |           +--rw xstp:restricted-role?    empty
|  |           +--rw xstp:restricted-tcn?     empty
|  +--rw fortygigabitethernet [name]
|  |  +--rw xstp:bpdu-drop
|  |  |  +--rw xstp:enable?       empty
|  |  |  +--rw xstp:direction?    enumeration /*drop-node-name*/
|  |  +--rw xstp:tunnel
|  |  |  +--rw xstp:tagged-ieee-bpdu?   empty
|  |  +--rw xstp:spanning-tree
|  |     +--rw xstp:autoedge?           empty
|  |     +--rw xstp:cost?               uint32
|  |     +--rw xstp:portfast
|  |     |  +--rw xstp:portfastbasic?   empty /*drop-node-name*/
|  |     |  +--rw xstp:bpdu-guard?      empty
|  |     |  +--rw xstp:bpdu-filter?     empty
|  |     +--rw xstp:edgeport
|  |     |  +--rw xstp:edgeportbasic?   empty /*drop-node-name*/
|  |     |  +--rw xstp:bpdu-guard?      empty
|  |     |  +--rw xstp:bpdu-filter?     empty
|  |     +--rw xstp:guard
|  |     |  +--rw xstp:root?    empty
|  |     +--rw xstp:hello-time?         uint32
|  |     +--rw xstp:bpdu-mac?           enumeration
|  |     +--rw xstp:link-type?          enumeration
|  |     +--rw xstp:priority?           uint32
|  |     +--rw xstp:restricted-role?    empty
|  |     +--rw xstp:restricted-tcn?     empty
|  |     +--rw xstp:shutdown?           empty
|  |     +--rw xstp:vlan [id]
|  |     |  +--rw xstp:id          uint32
|  |     |  +--rw xstp:cost?       uint32
|  |     |  +--rw xstp:priority?   uint32
|  |     |  +--rw xstp:guard
|  |     |     +--rw xstp:root?    empty
|  |     +--rw xstp:instance [id]
|  |        +--rw xstp:id                  mstp-instance-type
|  |        +--rw xstp:cost?               uint32
|  |        +--rw xstp:priority?           uint32
|  |        +--rw xstp:restricted-role?    empty
|  |        +--rw xstp:restricted-tcn?     empty
|  +--rw hundredgigabitethernet [name]
|  |  +--rw xstp:bpdu-drop
|  |  |  +--rw xstp:enable?       empty
|  |  |  +--rw xstp:direction?    enumeration /*drop-node-name*/
|  |  +--rw xstp:spanning-tree
|  |     +--rw xstp:autoedge?           empty
|  |     +--rw xstp:cost?               uint32
|  |     +--rw xstp:portfast
|  |     |  +--rw xstp:portfastbasic?   empty /*drop-node-name*/
|  |     |  +--rw xstp:bpdu-guard?      empty
|  |     |  +--rw xstp:bpdu-filter?     empty
|  |     +--rw xstp:edgeport
|  |     |  +--rw xstp:edgeportbasic?   empty /*drop-node-name*/
|  |     |  +--rw xstp:bpdu-guard?      empty
```

```
|    |       |  +--rw xstp:bpdu-filter?     empty
|    |       +--rw xstp:guard
|    |       |  +--rw xstp:root?   empty
|    |       +--rw xstp:hello-time?        uint32
|    |       +--rw xstp:bpdu-mac?          enumeration
|    |       +--rw xstp:link-type?         enumeration
|    |       +--rw xstp:priority?          uint32
|    |       +--rw xstp:restricted-role?   empty
|    |       +--rw xstp:restricted-tcn?    empty
|    |       +--rw xstp:shutdown?          empty
|    |       +--rw xstp:vlan [id]
|    |       |  +--rw xstp:id           uint32
|    |       |  +--rw xstp:cost?        uint32
|    |       |  +--rw xstp:priority?    uint32
|    |       |  +--rw xstp:guard
|    |       |     +--rw xstp:root?   empty
|    |       +--rw xstp:instance [id]
|    |          +--rw xstp:id                 uint8
|    |          +--rw xstp:cost?              uint32
|    |          +--rw xstp:priority?          uint32
|    |          +--rw xstp:restricted-role?   empty
|    |          +--rw xstp:restricted-tcn?    empty
+--rw protocol
|  +--rw xstp:spanning-tree
|     +--rw xstp:stp?
|     |  +--rw xstp:description?            string
|     |  +--rw xstp:bridge-priority?        uint32
|     |  +--rw xstp:error-disable-timeout
|     |  |  +--rw xstp:enable?     empty
|     |  |  +--rw xstp:interval?   uint32
|     |  +--rw xstp:forward-delay?          uint32
|     |  +--rw xstp:max-age?                uint32
|     |  +--rw xstp:port-channel
|     |  |  +--rw xstp:path-cost?   enumeration
|     |  +--rw xstp:shutdown?               empty
|     |  +--rw xstp:hello-time?             uint32
|     +--rw xstp:rstp?
|     |  +--rw xstp:description?            string
|     |  +--rw xstp:bridge-priority?        uint32
|     |  +--rw xstp:error-disable-timeout
|     |  |  +--rw xstp:enable?     empty
|     |  |  +--rw xstp:interval?   uint32
|     |  +--rw xstp:forward-delay?          uint32
|     |  +--rw xstp:max-age?                uint32
|     |  +--rw xstp:port-channel
|     |  |  +--rw xstp:path-cost?   enumeration
|     |  +--rw xstp:shutdown?               empty
|     |  +--rw xstp:hello-time?             uint32
|     |  +--rw xstp:transmit-holdcount?     uint32
|     +--rw xstp:pvst?
|     |  +--rw xstp:description?            string
|     |  +--rw xstp:bridge-priority?        uint32
|     |  +--rw xstp:error-disable-timeout
|     |  |  +--rw xstp:enable?     empty
|     |  |  +--rw xstp:interval?   uint32
|     |  +--rw xstp:forward-delay?          uint32
|     |  +--rw xstp:max-age?                uint32
|     |  +--rw xstp:port-channel
|     |  |  +--rw xstp:path-cost?   enumeration
|     |  +--rw xstp:shutdown?               empty
|     |  +--rw xstp:hello-time?             uint32
|     |  +--rw xstp:vlan [id]
|     |     +--rw xstp:id              uint32
|     |     +--rw xstp:priority?       uint32
|     |     +--rw xstp:forward-delay?  uint32
|     |     +--rw xstp:max-age?        uint32
|     |     +--rw xstp:hello-time?     uint32
|     +--rw xstp:rpvst?
|     |  +--rw xstp:description?            string
|     |  +--rw xstp:bridge-priority?        uint32
|     |  +--rw xstp:error-disable-timeout
|     |  |  +--rw xstp:enable?     empty
```

```
|       |   |   +--rw xstp:interval?    uint32
|       |   +--rw xstp:forward-delay?             uint32
|       |   +--rw xstp:max-age?                   uint32
|       |   +--rw xstp:port-channel
|       |   |   +--rw xstp:path-cost?   enumeration
|       |   +--rw xstp:shutdown?                  empty
|       |   +--rw xstp:hello-time?                uint32
|       |   +--rw xstp:vlan [id]
|       |   |   +--rw xstp:id              uint32
|       |   |   +--rw xstp:priority?       uint32
|       |   |   +--rw xstp:forward-delay?   uint32
|       |   |   +--rw xstp:max-age?        uint32
|       |   |   +--rw xstp:hello-time?     uint32
|       |   +--rw xstp:transmit-holdcount?      uint32
|     +--rw xstp:mstp?
|       +--rw xstp:description?                 string
|       +--rw xstp:bridge-priority?             uint32
|       +--rw xstp:error-disable-timeout
|       |   +--rw xstp:enable?     empty
|       |   +--rw xstp:interval?   uint32
|       +--rw xstp:forward-delay?               uint32
|       +--rw xstp:max-age?                     uint32
|       +--rw xstp:port-channel
|       |   +--rw xstp:path-cost?   enumeration
|       +--rw xstp:shutdown?                    empty
|       +--rw xstp:hello-time?                  uint32
|       +--rw xstp:cisco-interoperability?   enumeration
|       +--rw xstp:instance [id]
|       |   +--rw xstp:id          mstp-instance-type
|       |   +--rw xstp:vlan?       xstp-ui32-vlan-range
|       |   +--rw xstp:priority?   uint32
|       +--rw xstp:region?                      string
|       +--rw xstp:revision?                    uint16
|       +--rw xstp:max-hops?                    uint32
|       +--rw xstp:transmit-holdcount?          uint32
|   +--rw port-channel [name]
|   |   +--rw xstp:bpdu-drop
|   |   |   +--rw xstp:enable?      empty
|   |   |   +--rw xstp:direction?   enumeration /*drop-node-name*/
|   |   +--rw xstp:tunnel
|   |   |   +--rw xstp:tagged-ieee-bpdu?   empty
|   |   +--rw xstp:spanning-tree
|   |       +--rw xstp:autoedge?         empty
|   |       +--rw xstp:cost?             uint32
|   |       +--rw xstp:portfast
|   |       |   +--rw xstp:portfastbasic?   empty /*drop-node-name*/
|   |       |   +--rw xstp:bpdu-guard?      empty
|   |       |   +--rw xstp:bpdu-filter?     empty
|   |       +--rw xstp:edgeport
|   |       |   +--rw xstp:edgeportbasic?   empty /*drop-node-name*/
|   |       |   +--rw xstp:bpdu-guard?      empty
|   |       |   +--rw xstp:bpdu-filter?     empty
|   |       +--rw xstp:guard
|   |       |   +--rw xstp:root?   empty
|   |       +--rw xstp:hello-time?        uint32
|   |       +--rw xstp:bpdu-mac?          enumeration
|   |       +--rw xstp:link-type?         enumeration
|   |       +--rw xstp:priority?          uint32
|   |       +--rw xstp:restricted-role?   empty
|   |       +--rw xstp:restricted-tcn?    empty
|   |       +--rw xstp:shutdown?          empty
|   |       +--rw xstp:vlan [id]
|   |       |   +--rw xstp:id              uint32
|   |       |   +--rw xstp:cost?           uint32
|   |       |   +--rw xstp:priority?       uint32
|   |       |   +--rw xstp:guard
|   |       |      +--rw xstp:root?   empty
|   |       +--rw xstp:instance [id]
|   |       |   +--rw xstp:id                 mstp-instance-type
|   |       |   +--rw xstp:cost?              uint32
|   |       |   +--rw xstp:priority?          uint32
|   |       |   +--rw xstp:restricted-role?   empty
```

```
|  |     |  +--rw xstp:restricted-tcn?    empty
+--rw interface-vlan
|  +--rw interface
|     |  +--rw xstp:spanning-tree
|     |     +--rw xstp:stp-shutdown?   empty /*alt-name:shutdown*/
+--rw xstp:spanning-tree
      +--rw xstp:ieee-bpdu
         +--rw xstp:limit-vlan-flood?   empty
```

History

Release version	History
7.0.1	This YANG module was modified to include the following: • Container *ieee-bpdu* containing leaf *limit-vlan-flood* under *grouping stp-bpdu-limit* was added within augment.

extreme-xstp-ext

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

RPCs

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

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

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

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

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

extreme-zone

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

Top-level container

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

External augmentations

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

RPCs

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

Actions

```
module: extreme-common-def
   +--rw show
   |  +--rw extreme-zone:zoning
   |     +--ro extreme-zone:operation-info
   |        +--ro extreme-zone:input
   |        +--ro extreme-zone:output
   |           +--ro extreme-zone:db-max?                    uint32
   |           +--ro extreme-zone:db-avail?                  uint32
   |           +--ro extreme-zone:db-committed?              uint32
```

```
|             +--ro extreme-zone:db-transaction?              uint32
|             +--ro extreme-zone:transaction-token?           uint32
|             +--ro extreme-zone:last-zone-changed-timestamp?     string
|             +--ro extreme-zone:last-zone-committed-timestamp?   string
```

Custom RPCs

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

TABLE 4 Custom RPCs

RPC name	Host module	Synopsis
activate-status	extreme-firmware	Returns firmware activation status.
bna-config-cmd	extreme-ras	Copies configuration data to and from the system.
bna-config-cmd-status	extreme-ras	Returns the status of the last configuration command.
dad-status	extreme-firmware	Displays the current status of firmware download.
fcoe-get-interface	extreme-fcoe-ext	Returns operational state details for an FCoE interface.
fcoe-get-login	extreme-fcoe-ext	Returns the login information about FCoE end nodes that have logged in to the managed device.
firmware-download	extreme-firmware	Returns the firmware information.
fwdl-status	extreme-firmware	Returns the status of the firmware download operation.
get-arp	extreme-arp	Returns ARP entries of the managed entity.
get-contained-in-ID	extreme-entity	Returns the slot or container name or ID, where the managed device is "contained in".
get-flexports	extreme-hardware	Retrieves the list of flexports.
get-interface-detail	extreme-interface-ext	Returns operational details of all the possible interfaces of the managed entity. Use this RPC to discover basic characteristics of all the interfaces in the system. Each sublayer below the internetwork layer of a network interface is considered to be an interface.
get-interface-switchport	extreme-interface-ext	Returns switch-port or Layer 2 characteristics of all the interfaces in the managed device.
get-ip-interface	extreme-interface-ext	Returns brief details of all interfaces, loopback and VE interface details of particular managed entity. PHY interface details of particular managed entity cannot be given.
get-last-config-update-time	extreme-vcs	Returns the time stamp of the last configuration change done on the managed device.
get-last-config-update-time-for-xpaths	extreme-vcs	Returns the time stamp of the last configuration change done on the managed device for Xpaths.
get-lldp-neighbor-detail	extreme-lldp-ext	Returns the details of all the neighboring interfaces of the managed entity.
get-mac-acl-for-intf	extreme-mac-access-list	Returns information about the MAC ACL applied on the specified interfaces.
get-mac-address-table	extreme-mac-address-table	Returns the MAC address table for a given MAC address.
get-media-detail	extreme-interface-ext	Returns the media properties of all the interfaces of the managed entity.

TABLE 4 Custom RPCs (continued)

RPC name	Host module	Synopsis
get-nameserver-detail	extreme-nameserver	Displays detailed information of the devices stored in the Name Server database.
get-netconf-client-capabilities	extreme-netconf-ext	Returns the vendor information for all NETCONF clients.
get-port-channel-detail	extreme-lag	Returns link aggregation control configuration parameters for all the port-channels in the system.
get-portchannel-info-by-intf	extreme-lag	Returns link aggregation control configuration parameters for a given aggregation port in the system.
get-port-profile-for-intf	extreme-port-profile-ext	Returns the port-profiles applied on ports and port-channels.
get-port-profile-status	extreme-port-profile-ext	Returns the status of a port-profile.
get-stp-brief-info	extreme-xstp-ext	Returns Spanning Tree Protocol (STP) information.
get-stp-mst-detail	extreme-xstp-ext	Returns Multiple Spanning Tree Protocol (MSTP) details.
get-system-uptime	extreme-system	Returns the time since the managed entity was last reinitialized.
get-vcs-details	extreme-vcs	Retains detailed VCS fabric information.
get-vlan-brief	extreme-interface-ext	Returns operational data for a given VLAN and enumeration of all the interfaces belonging to this VLAN.
get-vmpolicy-macaddr	extreme-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-dvpgs	extreme-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-dvs	extreme-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-hosts	extreme-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-portgroups	extreme-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore. Data center name added in output.
get-vnetwork-vms	extreme-vswitch	Takes vCenter name as mandatory input, data center name as optional input. All is not supported input anymore.

TABLE 4 Custom RPCs (continued)

RPC name	Host module	Synopsis
		Data center name added in output.
get-vnetwork-vswitches	extreme-vswitch	Takes vCenter name as mandatory input, data center name as optional input.
		All is not supported input anymore.
		Data center name added in output. Returns discovered virtual switches.
get-vmpolicy-macaddr	extreme-vswitch	Returns the associations among Virtual Network Interface Cards (VNICs) or Virtual Machine Kernet Network Interface Cards (VMKNICs), port-groups, and port-profiles.
get-tunnel-info	extreme-tunnels-extrpcs	Retrieves summary of one or more tunnels from the switch.
get-tunnel-statistics	extreme-tunnels-extrpcs	Retrieves tunnel statistics such as count of bytes and frames transmitted and received.
l2traceroute	extreme-trilloam	Traces a TRILL route from a host source MAC address to a destination MAC address.
l2traceroute-result	extreme-trilloam	Returns the result of a TRILL traceroute.
logical-chassis-fwdl-sanity	extreme-firmware	Retrieves firmware download sanity check status.
logical-chassis-fwdl-status	extreme-firmware	Retrieves firmware activation status.
maps-get-all-policy	extreme-maps-ext	Retrieves the existing MAPS Policies.
maps-get-default-rules	extreme-maps-ext	Retrieves the existing MAPS Policies.
no-vcs-rbridge-context	extreme-vcs	Disables VCS Fabric mode.
redundancy	extreme-ha	Enables high availability (HA).
reload	extreme-ha	Reloads HA.
set-http-application-url	extreme-http-redirect	Sets the HTTP application URL.
show-bare-metal-state	extreme-preprovision	Indicates the bare-metal state on the system.
show-clock	extreme-clock	Returns the date, time, and time zone.
show-fabric-trunk-info	extreme-fabric-service	Provides all ISL trunk information in a fabric.
show-fibrechannel-interface-info	extreme-fabric-service	Provides detailed information of Fibre Channel ports in the routing bridge.
show-firmware-version	extreme-firmware-ext	Returns firmware version information.
show-linkinfo	extreme-fabric-service	Returns details of all the links connected in the fabric.
show-ntp	extreme-ntp	Returns the active NTP server for the extreme VCS fabric or specified switch.
show-portindex-interface-info	extreme-fabric-service	Returns the details of 10-GbEthernet and FCoE ports.
show-raslog	extreme-ras-ext	Returns RASlog entries.
show-support-save-status	extreme-ras-ext	Returns information about the status of a recent supportSave request.
show-system-info	extreme-ras-ext	Returns the routing bridge ID and MAC address of the switch.
show-system-monitor	extreme-system-monitor-ext	Returns system status information.
show-vcs	extreme-vcs	Provides general VCS fabric information.

TABLE 4 Custom RPCs (continued)

RPC name	Host module	Synopsis
show-zoning-enabled-configuration	extreme-zone	Returns the currently enabled zoning configuration information.
user-session-info	extreme-aaa-ext	Returns user role information.
vcs-rbridge-config	extreme-vcs	Configures VCS fabric for a routing bridge.
vcs-rbridge-context	extreme-vcs	Sets VCS Fabric mode for a given routing bridge.

Actions

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

TABLE 5 Actions

Action name	Host module	Node	Purpose
abort	extreme-event-handler	event-handler	Under Python event-management, aborts a specified event handler that is currently running.
action	extreme-event-handler	common-def:clear/event-handler	Specifies the Python script that will be triggered when an event occurs.
activate	extreme-fc-auth	secpolicy/action	Activates all the defined FC authorization policies.
activate	extreme-firmware	firmware	Activates the firmware download.
activations	extreme-event-handler	common-def:show	Activates an event handler on an RBridge and accesses event-handler activation mode.
add	extreme-license	common-def:show/license	Displays the license keys.
all	extreme-fabric-service	common-def:show/fabric	Returns fabric information.
auditlog	extreme-ras-ext	common-def:clear/logging	Clears the audit log.
auditlog	extreme-ras-ext	common-def:show/logging	Shows audit log information.
authenticate	extreme-crypto-ext	crypto/ca	Sets the authentication file from the host authentication server.
authenticate	extreme-crypto-ext	common-def:no	Sets the authentication file from the host authentication server.
bare-metal	extreme-preprovision	common-def:show/bare-metal/bare-metal	Indicates the bare-metal state on the system.
brief	extreme-nameserver	common-def:show/:	Gets a list of devices, listed by FCID, that are stored in the Name Server database.
burninerrclear	extreme-diagnostics	diag	Clears the errors that are stored in the nonvolatile storage on the slot during the burn-in process.
burninerrshow	extreme-diagnostics	common-def:show	Checks the error log.
burninstatus	extreme-diagnostics	common-def:show	Displays the status of last run system verification test.
certificates	extreme-crypto-ext	common-def:show /crypto/ca	Displays certificate details.
chassis	extreme-beacon	beacon/disable	Disables the chassis beacon.
chassis	extreme-beacon	beacon/enable	Enables the chassis beacon.
chassis	extreme-ras-ext	common-def:show/infra	Returns system information.
chassisreboot	extreme-ha	ha	Reboots the chassis.
clearerror	extreme-diagnostics	diag	Clears the diagnostics failure status.
clock	extreme-clock	clock-set-datetime	Sets the date and time.
clock	extreme-clock	clock-set-timezone	Sets the local time zone.
commit	extreme-firmware	firmware/download	Commits a firmware upgrade after evaluation.

TABLE 5 Actions (continued)

Action name	Host module	Node	Purpose
connector-group	extreme-hardware	common-def:show	Sets a connector group that FlexPort is allowed to access on the switch.
console	extreme-ras	ras/logging/raslog	Sets the severity levels for the RASLog console and allows users to temporarily stop showing RASLog messages on the console.
cpu	extreme-ras-ext	common-def:show/infra/process	Lists processes by CPU usage.
cpu	extreme-ras	resource monitor	Lists processes by CPU usage.
dadstatus	extreme-firmware	common-def:show/dhcp-auto-deployment	Displays the current status of firmware download.
description	extreme-ras-ext	rasman	Displays the details of the defined log modules.
detail	extreme-nameserver	common-def:show/:	Returns details about the configured name server.
dhchap	extreme-fc-auth	auth-secret	Configures authorization secret for DH-CHAP.
dhchap	extreme-fc-auth	common-def:no/fcsp/auth-secret	Deletes the authorization secret for DH-CHAP.
dhchap	extreme-fc-auth	common-def:show/fscp/authsecret	Returns the device WWN for which a shared secret is configured.
dir	extreme-ras	system/usb	Displays the directory of a USB device.
directory	extreme-firmware	firmware:firmware/download/tftp/input	Specifies the directory from where the firmware is downloaded.
disable	extreme-chassis	chassis	Disables the chassis.
disable	extreme-chassis	chassis/beacon	Disables the chassis beacon.
disable	extreme-firmware	firmware/auto-sync	Disables the firmware download.
disable	extreme-ha	ha	Disables high availability.
dpod	extreme-license	common-def:show/enh-show-license-keys	Displays dynamic POD license information.
dump	extreme-ha	ha	Displays high availability status information.
dvpgs	extreme-vswitch	common-def:show/vnetwork	Shows discovered distributed virtual port-groups.
dvs	extreme-vswitch	common-def:show/vnetwork	Shows discovered distributed virtual switches.
enable	extreme-chassis	chassis	Enables the chassis.
enable	extreme-chassis	chassis/beacon	Enables the chassis beacon.
enable	extreme-firmware	firmware/auto-sync	Enables the firmware download.
enable	extreme-firmware	dhcp/auto-deployment	Enables auto-deployment of the firmware.
enable	extreme-ha	ha	Enables high availability.
enroll	extreme-crypto-ext	crypto/ca	Enrolls the trust point and generates the security certificate for HTTPS security.
erase	extreme-firmware	firmware/write	Returns switch to factory default state.

TABLE 5 Actions (continued)

Action name	Host module	Node	Purpose
exec	extreme-diagnostics	fos	Runs native Fabric OS commands.
failover	extreme-ha	ha	Causes HA failover.
fan	extreme-ras-ext	common-def:show/infra/environment	Shows fan information.
fastboot	extreme-firmware	reboot	Reboots the control processor (CP), bypassing the power-on self-test (POST).
firmware	extreme-firmware-ext	common-def:show/firmware	Shows firmware auto-sync status.
firmwaredownloadhistory	extreme-firmware-ext	common-def:show/firmware	Returns a history of firmware downloads.
firmwaredownloadstatus	extreme-firmware-ext	common-def:show/firmware	Returns the firmware download status.
firmware-features	extreme-firmware-ext	common-def:show/firmware	Shows firmware features.
ftp	extreme-firmware	firmware/download	Downloads firmware with FTP.
ftp	extreme-firmware	firmware/download/default-config	Downloads firmware with FTP.
ftp	extreme-firmware	firmware/download/logical-chassis	Downloads firmware with FTP for logical chassis.
ftp	extreme-firmware	firmware/download/logical-chassis/default-config	Downloads firmware with FTP for logical chassis.
ftp	extreme-firmware	firmware/install	Installs firmware with FTP.
ftp	extreme-ras	copy/support	Uploads support data to an FTP server.
gmsg	extreme-ras	auditlog	Generates an audit log message for an internal audit log test.
gmsg	extreme-ras	logtest/raslog	Generates a message for an internal RASlog test.
ha	extreme-ha	common-def:show/ha	Displays the HA state.
hardware-profile	extreme-hardware	common-def:show	Optimizes hardware resources.
history	extreme-ras-ext	common-def:show/infra	Shows history information.
hosts	extreme-vswitch	common-def:show/vnetwork	Displays discovered hosts.
id	extreme-license	common-def:show/license	Returns license IDs.
import	extreme-crypto-ext	crypto/ca	Imports the CA certificate for HTTPS security configuration.
import	extreme-crypto-ext	common-def:no	Imports the CA certificate for HTTPS security configuration.
info	extreme-ras-ext	common-def:show/infra/process	Shows system processes.
interactive	extreme-firmware	firmware/download	Downloads firmware interactively.
interface	extreme-beacon	beacon/disable	Disables the interface beacon.
interface	extreme-beacon	beacon/enable	Enables the interface beacon.
interface	extreme-threshold-monitor-ext	extreme-common-def:show/defaults/extreme-threshold-monitor-ext:threshold	Shows default threshold and alert values for interface.
inventory	extreme-ras-ext	infra-inventory	Displays the inventory details.
isl	extreme-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL information.

TABLE 5 Actions (continued)

Action name	Host module	Node	Purpose
islports	extreme-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL port information.
l2traceroute	extreme-trilloam	trilloam	Traces a route between a source and destination MAC address.
ldapca	extreme-certutil	certutil/import	Imports the LDAP CA certificate.
ldapca	extreme-certutil	common-def:no/certutil	Deletes the LDAP CA certificate.
ldapcacert	extreme-certutil	common-def:show/cert-util	Displays the LDAP CA certificate.
license	extreme-license	common-def:show/enh-show-license-keys	Displays license information.
linecard	extreme-linecard-management	common-def:show/linecardinfo	Configures a line card.
linecard	common-def:show	common-def:show/linecardinfo	Configures a line card.
linkinfo	extreme-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL link information.
maps	extreme-maps-ext	common-def:show	
macaddr	extreme-vswitch	common-def:show/vnetwork/vmpolicy	Returns information about MAC address policies.
memory	extreme-ras-ext	common-def:show/infra/process	Lists processes by memory usage.
memory	extreme-ras	resource-monitor	Lists processes by memory usage.
message	extreme-ras-ext	rasman	Displays the details of the given RASlog message ID.
mm	extreme-linecard-management	common-def:show/mminfor	Management module.
module	extreme-ras-ext	rasman	Displays the details of the given RAS module name.
monitor	extreme-system-monitor-ext	common-def:show/system-monitor-extensions:system	Returns monitor switch status.
monitor	extreme-threshold-monitor-ext	common-def:show/threshold-monitor-extensions:system	Returns monitor switch error statistics on an interface.
multicast	extreme-fabric-service	fabric/route	Displays multicast routing information, including the multicast tree, its root, priority, and so on.
mypubkey	extreme-crypto-ext	common-def:show/crypto/key	Displays the crypto key.
neighbor-state	extreme-fabric-state	fabric/route	Displays the FSPF link state information of a node. A full state indicates FSPF link state database exchange is complete and that the link can be used while making routing decisions.
nodefind	extreme-nameserver	common-def:show/:	Displays nodes matching a specified WWN or PID.
off	extreme-ras	system/usb	Disables the USB device.
on	extreme-ras	system/usb	Enables the USB device.
operation-info	extreme-zone	common-def:show/zoning	Returns zone database size information and the time stamp of the last change.
pathinfo	extreme-fabric-service	fabric/route	Displays routing information and states along a path covering multiple switches.

TABLE 5 Actions (continued)

Action name	Host module	Node	Purpose
pgs	extreme-vswitch	common-def:show/vnetwork	Returns information about discovered standard port-groups.
portledtest	extreme-diagnostics	diag	Runs various action modes on the port LEDs and validates the functionality.
portloopbacktest	extreme-diagnostics	diag	Sends frames between various ASICs on the switch and validates the ASIC functionality.
port-group	extreme-hardware	common-def:show/hardware	Displays the port-group information for the device.
port-side-exhaust	extreme-chassis	fan/airflow-direction	Sets the airflow direction to exhaust-side intake.
port-side-intake	extreme-chassis	fan/airflow-direction	Sets the airflow direction to port-side intake.
power	extreme-ras-ext	common-def:show/infra/environment	Shows power information.
power-off	extreme-linecard-management	common-def:show/linecardservice	Deactivates a line card.
power-on	extreme-linecard-management	linecardservice	Powers on a line card.
prbstest	extreme-diagnostics	diag	Performs pseudo-random binary-sequence tests.
raslog	extreme-ras-ext	common-def:clear/logging	Clears the RASlog.
raslog	extreme-ras-ext	common-def:show/logging	Shows RASlog information.
recover	extreme-firmware	firmware	Aborts the firmware operation that is ready to be activated and then commits the firmware.
redundancy	extreme-ha	common-def:show/redundancy	Shows high availability redundancy state.
reload	extreme-ha	common-def:show/system/reload	Reloads the system.
remove	extreme-license	license	Removes the license keys.
remove	extreme-ras	system/usb	Deletes a file from a USB device.
restore	extreme-firmware	firmware/download	Restores the original firmware after evaluation.
results	extreme-diagnostics	common-def:show/diag/post	Displays the post verification test result.
sanity-check	extreme-firmware	firmware/download	Conducts a sanity check on the firmware download.
scp	extreme-firmware	firmware/download	Downloads firmware with SCP.
scp	extreme-firmware	firmware/download/default-config	Downloads firmware with SCP.
scp	extreme-firmware	firmware/download/logical-chassis	Downloads firmware with SCP for logical chassis.
scp	extreme-firmware	firmware/download/logical-chassis/default-config	Downloads firmware with SCP for logical chassis.
scp	extreme-firmware	firmware/install	Installs firmware with SCP.
scp	extreme-ras	copy/support	Uploads support data to an SCP server.
security	extreme-threshold-monitor-ext	common-def:show/defaults	Displays default threshold and alert values for security.

TABLE 5 Actions (continued)

Action name	Host module	Node	Purpose
sensor	extreme-ras-ext	common-def:show/infra/environment	Returns sensor information.
sessions	extreme-aaa	common-def:clear/login	Unlocks a user account.
setcycle	extreme-diagnostics	diag	Configures all the parameters required for the system verification test.
setdbg	extreme-diagnostics	diag	Changes the debug level.
sfm	extreme-linecard-management	common-def:show/sfminfo	Switch fabric module.
sfp	extreme-threshold-monitor-ext	common-def:show/defaults/threshold-monitor-extensions:threshold	Displays default threshold and alert values for SFP.
sftp	extreme-firmware	firmware/download	Downloads firmware with SFTP.
sftp	extreme-firmware	firmware/download/default-config	Downloads firmware with SFTP.
sftp	extreme-firmware	firmware/download/logical-chassis	Downloads firmware with SFTP for logical-chassis.
sftp	extreme-firmware	firmware/download/logical-chassis/default-config	Downloads firmware with SFTP for logical-chassis.
slots	extreme-linecard-management	common-def:show/slotsinfor	Modules present in the chassis.
sshkey	extreme-certutil	certutil/import	SSH public key import operation.
sshkey	extreme-certutil	common-def:no/cert-util	Displays username length error message.
sshkey	extreme-certutil	common-def:show/certutil:cert-util	Displays user name length error message.
start	extreme-ha	ha/sync	Syncs up the system.
status	extreme-diagnostics	common-def:show	Displays currently running diagnostic tests.
status	extreme-http-config	common-def:show /http/server	Displays HTTP server status.
status	extreme-ras-ext	common-def:show/copy-support	Shows copy support details.
status	extreme-sec-services	common-def:show/ssh/server	Displays the SSH server status.
status	extreme-sec-services	common-def:show/ssh/client	Displays the SSH client status.
status	extreme-sec-services	common-def:show/telnet/server	Displays the Telnet server status.
stop	extreme-ha	ha/sync	Syncs up the system.
support	extreme-ras-ext	common-def:clear/support	Clears support information.
support	extreme-ras-ext	common-def:show/support	Shows support information available for upload.
support-interactive	extreme-ras	copy	Enables interactive support data upload.
sync	extreme-firmware	firmware/download	Synchronizes the firmware with its peer.
syslogca	extreme-certutil	certutil/import	Imports the syslog server CA certificate.
syslogca	extreme-certutil	common-def:no/certutil	Deletes the syslog server CA certificate.
syslogcacert	extreme-certutil	common-def:show/cert-util	Displays the syslog server CA certificate.
systemverification	extreme-diagnostics	diag	Runs a combination of various hardware diagnostic tests.

TABLE 5 Actions (continued)

Action name	Host module	Node	Purpose
temp	extreme-ras-ext	common-def:show/infra/environment	Shows temperature information.
timezone	extreme-clock	common-def:no/clock	Returns the time zone information.
tftp	extreme-firmware	firmware:firmware/download	Downloads firmware with TFTP.
tftp	extreme-firmware	firmware/download/default-config	Downloads firmware with TFTP.
tftp	extreme-firmware	firmware/download/logical-chassis	Downloads firmware with TFTP for logical chassis.
tftp	extreme-firmware	firmware/download/logical-chassis/default-config	Downloads firmware with TFTP for logical chassis.
topology	extreme-fabric-service	fabric/route	Provides fabric topology information as seen by a VCS fabric node, including the number of currently active paths to the destination, maximum number of hops to reach destination, cost of reaching destination, and so on.
trunk	extreme-fabric-service	common-def:show/fabric-service:fabric	Returns fabric ISL trunk information.
trustpoint	extreme-crypto-ext	common-def:show/crypto/ca	Defines the trust point for HTTPS security configuration.
turboramtest	extreme-diagnostics	diag	Performs a turbo static RAM (SRAM) test of the ASIC chips.
type	extreme-ras-ext	rasman	Displays the details of the RASlog messages based on the given RASlog message type.
unlock	extreme-aaa	user	Unlocks a user account.
usb	extreme-firmware	firmware/download	Downloads firmware from a USB device.
usb	extreme-firmware	firmware/download/default-config	Downloads firmware from a USB device.
usb	extreme-firmware	firmware/download/logical-chassis	Downloads firmware from a USB device for logical chassis.
usb	extreme-ras	copy	Uploads support data to a USB device.
users	extreme-aaa-ext	common-def:show/aaa-users	Accesses the user information.
version	extreme-firmware-ext	common-def:show/firmware	Returns the firmware version string.
vms	extreme-vswitch	common-def:show/vnetwork	Returns information about discovered VMs.
vss	extreme-vswitch	common-def:show/vnetwork	Returns information about standard virtual switches.
zonemember	extreme-nameserver	common-def:show/:	Displays all nodes zoned with a device matching a specified WWN or PID.