Cisco Nexus 9000 Series NX-OS Command Reference (Show Commands), Release 9.2(x)

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Preface

This preface includes the following sections:

- Audience, on page lxxiii
- Documentation Conventions, on page lxxiii
- Documentation Feedback, on page lxxiv
- Communications, Services, and Additional Information, on page lxxiv

Audience

This publication is for network administrators who install, configure, and maintain Cisco Nexus switches.

Documentation Conventions

Command descriptions use the following conventions:

Convention	Description
bold	Bold text indicates the commands and keywords that you enter literally as shown.
Italic	Italic text indicates arguments for which the user supplies the values.
[x]	Square brackets enclose an optional element (keyword or argument).
[x | y]	Square brackets enclosing keywords or arguments separated by a vertical bar indicate an optional choice.
{x | y}	Braces enclosing keywords or arguments separated by a vertical bar indicate a required choice.
[x {y | z}]	Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element.
`variable`	Indicates a variable for which you supply values, in context where italics cannot be used.

Convention	Description
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.

Examples use the following conventions:

Convention	Description
`screen font`	Terminal sessions and information the switch displays are in screen font.
`boldface screen font`	Information you must enter is in boldface screen font.
italic screen font	Arguments for which you supply values are in italic screen font.
< >	Nonprinting characters, such as passwords, are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to . We appreciate your feedback.

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at Cisco Profile Manager.
- To get the business impact you're looking for with the technologies that matter, visit Cisco Services.
- To submit a service request, visit Cisco Support.
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit Cisco Marketplace.
- To obtain general networking, training, and certification titles, visit Cisco Press.
- To find warranty information for a specific product or product family, access Cisco Warranty Finder.

Cisco Bug Search Tool

Cisco Bug Search Tool (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.

Notice

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Notice

Warning This document should be used only as a glossary reference for possible commands. The listing of a command in this document does not guarantee that the command is available or supported for your platform or application.

The command information in this reference document is auto-generated from the NX-OS source code. While we attempt to manually remove unsupported, deprecated, or internal-use commands, such commands may occasionally appear in this document. Also, with the large variety of hardware platform combinations using NX-OS software, some listed commands may not be applicable or recommended for a specific platform. Platform-based dependency information is not provided in this command reference.

We strongly encourage you to refer to the configuration guides for appropriate commands to configure and operate a feature. Command limitations, restrictions, and recommendations are documented only in the configuration guides. When in doubt, please consult your Cisco representative.

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show aaa accounting

show aaa accounting [__readonly__ [TABLE_acctMethods <service> <methods>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
accounting	Show accounting configuration
__readonly__	(Optional)
TABLE_acctMethods	(Optional)
service	(Optional) service type
methods	(Optional) Accounting methods configured for the application

Command Mode

- /exec

show aaa authentication

show aaa authentication [__readonly__ [TABLE_AuthenMethods <service> <method>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
__readonly__	(Optional)
TABLE_AuthenMethods	(Optional)
service	(Optional) Service for which authentication is needed
method	(Optional) Authentication method used for the service

Command Mode

- /exec

show aaa authentication login

show aaa authentication login { mschap | mschapv2 | chap } [__readonly__ [<mschap_status>] [<mschapv2_status>] [<chap_status>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
mschap	Show authentication login MSCHAP enable configuration
mschapv2	Show authentication login MSCHAP V2 enable configuration
chap	Show authentication login CHAP enable configuration
__readonly__	(Optional)
mschap_status	(Optional) mschap enabled or disabled
mschapv2_status	(Optional) mschapv2 enabled or disabled
chap_status	(Optional) chap enabled or disabled

Command Mode

- /exec

show aaa authentication login ascii-authentication

show aaa authentication login ascii-authentication [__readonly__ { <ascii_authen_status> }]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
ascii-authentication	Show ascii-authentication configuration
__readonly__	(Optional)
ascii_authen_status	(Optional) ascii authentication status

Command Mode

- /exec

show aaa authentication login error-enable

show aaa authentication login error-enable [__readonly__ [<status>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
error-enable	Show authentication login error message enable configuration
__readonly__	(Optional)
status	(Optional) login error-enable enabled or disabled

Command Mode

- /exec

show aaa authentication login invalid-username-log

show aaa authentication login invalid-username-log [__readonly__ [<status>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login message configuration
invalid-username-log	Show invalid username log configuration
__readonly__	(Optional)
status	(Optional) login invalid-username-log enabled or disabled

Command Mode

- /exec

show aaa authentication login password-aging

show aaa authentication login password-aging [__readonly__ { <passwordAging_status> }]

Syntax Description

show	Show running system information
aaa	Show aaa information
authentication	Show authentication configuration
login	Show authentication login error message configuration
password-aging	Show password-aging enable configuration
__readonly__	(Optional)
passwordAging_status	(Optional) login password-aging

Command Mode

- /exec

show aaa authorization

show aaa authorization [all] [__readonly__ [<pki_ssh_cert_author> <pki_ssh_pubkey_author>] [TABLE_cmd_methods <appl_subtype> <cmd_type> <methods>] [TABLE_app_methods <appl> <methods>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
authorization	Show authorization configuration
all	(Optional) Show all(include defaults configurations) authorization info
__readonly__	(Optional)
pki_ssh_cert_author	(Optional)
pki_ssh_pubkey_author	(Optional)
TABLE_cmd_methods	(Optional) table containing command authorization methods
appl_subtype	(Optional)
cmd_type	(Optional)
methods	(Optional)
TABLE_app_methods	(Optional) table containing application authorization methods
appl	(Optional)
methods	(Optional)

Command Mode

- /exec

show aaa bypass-user

show aaa bypass-user [<s0>] [__readonly__ [<num_bypass_users>] [TABLE_bypassUsers <username> <account> <author>]]

Syntax Description

show	Show running system information
aaa	Show aaa information
bypass-user	Show bypass user information
s0	(Optional) Enter the username
__readonly__	(Optional)
num_bypass_users	(Optional) Number of bypass users configured
TABLE_bypassUsers	(Optional)
username	(Optional) Username
account	(Optional) Accounting Bypass
author	(Optional) Authorization bypass

Command Mode

- /exec

show aaa groups

show aaa groups [__readonly__ { TABLE_groups <group> }]

Syntax Description

show	Show running system information
aaa	Show aaa information
groups	Show configured groups
__readonly__	(Optional)
TABLE_groups	(Optional) Table showing aaa groups
group	(Optional) Name of the group

Command Mode

- /exec

show aaa local user blocked

show aaa local user blocked [__readonly__ { TABLE_sessions <u_name> <u_state> }]

Syntax Description

show	Show running system information
aaa	Configure aaa functions
local	Local username
user	Local system user
blocked	Display Blocked users
__readonly__	(Optional)
TABLE_sessions	(Optional) aaa local users blocked table
u_name	(Optional) Name of the user
u_state	(Optional) State of the user

Command Mode

- /exec

show aaa user default-role

show aaa user default-role [__readonly__ { default_role_status <udr_status> }]

Syntax Description

show	Show running system information
aaa	Show aaa information
user	Remotely authenticated user
default-role	Default role assigned by aaa-admin for remote authentication
__readonly__	(Optional)
default_role_status	(Optional) user default role status
udr_status	(Optional) Status of user default role

Command Mode

- /exec

show access-list

show { system internal | hardware } access-list { summary | [vdc <vdc_id>] { [interface <if_name> | vlan <vlan_id> | inband table <table>] [{ input | output } { config | { { entries | merge } [detail] } | statistics | l4ops | redirect | sampler }] } } [module <module>] [__readonly__ <type> <feature> <plcy_id> <src_ip> <src_mask> <dst_ip> <dst_mask> <proto> <l4ops> <action> <mac> <cos> <vlan> <l2_proto> <ethertype> [TABLE_vdc <vdc-no> <vdc-type> <dir> <policy-type> <policy-id> <policy-name>] [TABLE_instance <inst> [TABLE_tcam_resource_usage <tcam-no> <lbl> <hw-lbl-id> <bank>] [TABLE_class <class-type> <policies> <netflow-profile> <netflow-deny-profile> <tcam-entries>] <l4-protocol-cam-entries> <mac-etype-proto-cam-entries> <lous> <tcp-flags-table-entries> <adjacency-entries>]]

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
summary	summary
vdc	(Optional) vdc id
vdc_id	(Optional) vdc_id
interface	(Optional) interface name
if_name	(Optional) display access list for the interface
vlan	(Optional) vlan_id
vlan_id	(Optional) vlan_id
inband	(Optional) inband interface
table	(Optional) vrf table number
table	(Optional) vrf table number
input	(Optional) input/ingress policies
output	(Optional) output/egress policies
config	(Optional) parsed policy software database
entries	(Optional) tcam entries
statistics	(Optional) aggregate statistics
l4ops	(Optional) l4 operations information

redirect	(Optional) redirect resource information
sampler	(Optional) with sampler details
merge	(Optional) tcam entries merge information
detail	(Optional) detailed information
module	(Optional) Slot/module
module	(Optional) Slot/module number
__readonly__	(Optional)
type	(Optional) policy type eg: ACL, QOS
feature	(Optional) feature type eg: RACL, VACL
plcy_id	(Optional) policy id
src_ip	(Optional) src ipv4 address
src_mask	(Optional) src mask
dst_ip	(Optional) dst ipv4 address
dst_mask	(Optional) dst mask
proto	(Optional) protocol eg: TCP, UDP ...
l4ops	(Optional) layer 4 operations
action	(Optional) action
mac	(Optional) mac address
cos	(Optional) acos value
vlan	(Optional) vlan id
l2_proto	(Optional) L2 protocol
ethertype	(Optional) ethertype
TABLE_vdc	(Optional) show for vdc
vdc-no	(Optional) vdc number
vdc-type	(Optional) VDC type-COPP etc
dir	(Optional) Policy Direction
policy-type	(Optional) Policy type
policy-id	(Optional) Policy id
policy-name	(Optional) Policy name

TABLE_instance	(Optional) show for an instance
inst	(Optional) instance number
TABLE_tcam_resource_usage	(Optional) TCAM resource usage
tcam-no	(Optional) tcam number
lbl	(Optional) lbl name
hw-lbl-id	(Optional) hw lbl id
bank	(Optional) bank number
TABLE_class	(Optional) table class
class-type	(Optional) Class type
policies	(Optional) Policy name
netflow-profile	(Optional) Netflow Profile
netflow-deny-profile	(Optional) Netflow Deny Profile
tcam-entries	(Optional) No. of TCAM entries
l4-protocol-cam-entries	(Optional) L4 protocol cam entries
mac-etype-proto-cam-entries	(Optional) No. of mac etype/proto cam entries
lous	(Optional) No. of LOU's
tcp-flags-table-entries	(Optional) No. of CP flags table entries
adjacency-entries	(Optional) No. of adjacency entries

Command Mode

- /exec

show access-list database

show { system internal | hardware } access-list [vdc <vdc_id>] database { interface | vlan | policy | process } [module <module>] [__readonly__ <if_idx> <vlan> <plcy_id> <process_info>]

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
vdc	(Optional) vdc id
vdc_id	(Optional) vdc_id
database	Show memory database
interface	display interfaces/vlans in a vdc with policies
policy	display policies in a vdc
vlan	display vlans in a vdc
process	display process database in a vdc
module	(Optional) Slot/module
module	(Optional) Slot/module number
__readonly__	(Optional)
if_idx	(Optional) interface
vlan	(Optional) vlan
plcy_id	(Optional) policy id
process_info	(Optional) process information

Command Mode

- /exec

show access-list resource

show { system internal | hardware } access-list resource { { { entries | l4ops | redirect | ipv6-compression | mac-compression | aqm-d | aqm-q | oq | opool | prm | hardware-telemetry } [detail] } | utilization [per-feature] | { entry tcam <tcam_id> bank <bank_id> index <index> } | { default-tcam-allocation } } [no-header] [module <module>] [__readonly__ [TABLE_instance <inst> [TABLE_resource_util_info <resource_hdr> <ents_use> [<ents_free>] [<ents_pctage>]]]]

Syntax Description

show	Show running system information
system	System-related show commands
internal	Commands for internal use
hardware	Show hardware information
access-list	Access Control List
resource	hardware resource
entries	tcam entries
l4ops	l4 operations information
redirect	redirect resource information
entry	display hardware information of a tcam entry
tcam	tcam id
tcam_id	tcam_id
bank	bank id
bank_id	bank_id
index	index within bank
index	index withing bank
default-tcam-allocation	default tcam allocation
utilization	utilization matrix
per-feature	(Optional) feature wise utilization
ipv6-compression	ipv6 compression
mac-compression	mac compression table info
aqm-d	aqm d params
aqm-q	aqm q params

oq	oq profiles
opool	opool profiles
prm	prm profiles
hardware-telemetry	hardware-telemetry resources
detail	(Optional) detailed information
no-header	(Optional) Do not print header
module	(Optional) Slot/module
module	(Optional) Slot/module number
__readonly__	(Optional)
TABLE_instance	(Optional) show for an instance
inst	(Optional) instance number
TABLE_resource_util_info	(Optional) resource utilization information
resource_hdr	(Optional) resource header
ents_use	(Optional) entries in use
ents_free	(Optional) free tcam entries
ents_pctage	(Optional) tcam entries usage percentage

Command Mode

- /exec

show access-lists

show <mpls_acl> access-lists [<mpls_name>] [__readonly__ TABLE_mpls <mpls_name> [<statistics>] [TABLE_seqno <seqno> { <permitdeny> <mpls> [<mpls_option>] { <label1_any> | { <label1> [mask <label1_mask>] } } [<label2_any> | { <label2> [mask <label2_mask>] }] [<label3_any> | { <label3> [mask <label3_mask>] }] [<label4_any> | { <label4> [mask <label4_mask>] }] <mplsaction> <mplsactionid> } | <remark>]]

Syntax Description

show	Show running system information
mpls_acl	mpls acl value
access-lists	List access lists
mpls_name	(Optional) List name
__readonly__	(Optional)
mpls_name	(Optional) Name of the MPLS ACL
seqno	(Optional) Sequence number
permitdeny	(Optional) Permit/deny
mplsaction	(Optional) mpls ACL Action
mplsactionid	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535>
statistics	(Optional) STATISTICS
mask	(Optional) mask
label1	(Optional) mpls label one
label2	(Optional) mpls label two
label3	(Optional) mpls label three
label4	(Optional) mpls label three
label1_mask	(Optional) mpls label one mask
label2_mask	(Optional) mpls label two mask
label3_mask	(Optional) mpls label three mask
label4_mask	(Optional) mpls label four mask
label1_any	(Optional) label one Any
label2_any	(Optional) label two Any

label3_any	(Optional) label three Any
label4_any	(Optional) label four Any
mpls	(Optional) mpls keyword
mpls_option	(Optional) mpls option
TABLE_mpls	(Optional)
TABLE_seqno	(Optional)
remark	(Optional) Remark String

Command Mode

- /exec

show access-lists

show [<ip_ipv6_mac>] access-lists [<name>] [capture session <capture_session>] [<expanded> | <summary> | <private> | <brief> | <stats-detail>] [__readonly__ TABLE_ip_ipv6_mac <op_ip_ipv6_mac> <show_summary> <acl_name> [<statistics>] [<frag_opt_permit_deny>] [<global_capture_session>] [TABLE_seqno <seqno> { <permitdeny> [<proto_str> | <proto> | <ip> | <ipv6>] { <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> | <src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [<src_port_op> [<src_port1_str>] { <src_port1_num> } [<src_port2_str> | <src_port2_num>] | <src_portgrp>] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> | <dest_ipv6_addr> <dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [<dest_port_op> [<dest_port1_str>] { <dest_port1_num> } [<dest_port2_str> | <dest_port2_num>] | <dest_portgrp>] [{ <icmp_type> [<icmp_code>] | <icmp_str> } | { <icmpv6_type> [<icmpv6_code>] | <icmpv6_str> }] [<igmp_type> | <igmp_type_str>] [[<precedence> | <precedence_str>] [<tos> | <tos_str>] | [<dscp> | <dscp_str>] | [<ttl>]] [<log>] [<udfs>] [<capture_session>] [<fragments>] [<plen_op> <plen1> [<plen2>]] [<urg>] [<ack>] [<psh>] [<rst>] [<syn>] [<fin>] [<established>] [<http-method> | <http_opt_str>] [<tcp-option-length>] [<tcp-flags-mask>] [<flow_label>] [<timerange>] [<eth_proto> | <eth_proto_str>] [<vlan>] [<cos>] [<match_count>] | [TABLE_match <module> <module_match_count>] | [<nve_vni>] | <remark> [<action> <actionid>] }] [ethertype <ethertypeid> | vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid>] + [<action> <actionid>] [[<stats_enabled>] [<frag_option>] { <num_ace> } { <conf_if_header> } [<conf_if>] { <active_if_header> } [<active_if>]]]

Syntax Description

show	Show running system information
name	(Optional) List name
ip_ipv6_mac	(Optional) IP/IPv6/MAC
capture	(Optional) capture
session	(Optional) session
capture_session	(Optional) session id
op_ip_ipv6_mac	(Optional) IP/IPv6/MAC
access-lists	List access lists
show_summary	(Optional)
acl_name	(Optional) List name
__readonly__	(Optional)
TABLE_ip_ipv6_mac	(Optional)
frag_opt_permit_deny	(Optional) frag_op_type
ethertype	(Optional) Configure match based on ethertype
vlan	(Optional) Configure match based on vlan

ingress_intf	(Optional) Configure match based on ingress interface
vlan_priority	(Optional) Configure match based on priority
ethertypeid	(Optional) Configure the ethertype value
vlanid	(Optional) VLAN number
intfid	(Optional) Interface index
intfname	(Optional) Interface name
vlanpriorityid	(Optional) Vlan Priority
seqno	(Optional) Sequence number
permitdeny	(Optional) Permit/deny
proto	(Optional) A protocol number
TABLE_seqno	(Optional)
proto_str	(Optional) Protocol name
ip	(Optional) IP
ipv6	(Optional) IPV6
src_any	(Optional) SRCAny
dest_any	(Optional) DESTAny
src_ip_prefix	(Optional) Source IP prefix
src_ip_addr	(Optional) Source IP address
src_ip_mask	(Optional) Source IP mask
mac_src	(Optional) Source MAC address
mac_src_wild	(Optional) Source MAC mask
dest_ip_prefix	(Optional) Destination IP prefix
dest_ip_addr	(Optional) Destination IP address
dest_ip_mask	(Optional) Destination IP mask
mac_dest	(Optional) Destination MAC address
mac_dest_wild	(Optional) Destination MAC mask
src_port_op	(Optional) Source Port operator
dest_port_op	(Optional) Destination Port operator
src_port1_str	(Optional) Source port name

src_port1_num	(Optional) Source port number
src_port2_str	(Optional) Source port name
src_port2_num	(Optional) Source port number
dest_port1_str	(Optional) Destination port name
dest_port1_num	(Optional) Destination port number
dest_port2_str	(Optional) Destination port name
dest_port2_num	(Optional) Destination port number
icmp_type	(Optional) ICMP type
icmp_code	(Optional) ICMP code
icmp_str	(Optional) ICMP message
icmpv6_type	(Optional) ICMP type
icmpv6_code	(Optional) ICMP code
icmpv6_str	(Optional) ICMP message
igmp_type	(Optional) IGMP type
igmp_type_str	(Optional) IGMP type String
precedence	(Optional) precedence
precedence_str	(Optional) precedence string
tos	(Optional) tos
tos_str	(Optional) tos string
dscp	(Optional) dscp
dscp_str	(Optional) dscp string
udfs	(Optional) udfs string
ttl	(Optional) ttl
capture_session	(Optional) capture session
global_capture_session	(Optional) capture session
log	(Optional) Log
fragments	(Optional) Fragments
urg	(Optional) URG
ack	(Optional) ACK

psh	(Optional) PSH
rst	(Optional) RST
syn	(Optional) SYN
fin	(Optional) FIN
established	(Optional) ESTABLISHED
http-method	(Optional) http-method
http_opt_str	(Optional) http_option string
tcp-option-length	(Optional) TCP Option size
tcp-flags-mask	(Optional) TCP Flags mask
flow_label	(Optional) IPv6 flow label
timerange	(Optional) Time-range
eth_proto	(Optional) MAC protocol number
eth_proto_str	(Optional) MAC protocol name
vlan	(Optional) VLAN number
cos	(Optional) CoS value
match_count	(Optional) Number of packets matching the ACL
TABLE_match	(Optional)
module	(Optional) Module name
module_match_count	(Optional) Number of packets matching the ACL per module
nve_vni	(Optional) nve vni
remark	(Optional) Remark String
statistics	(Optional) STATISTICS
src_addrgrp	(Optional) Source address group
dest_addrgrp	(Optional) Destination address group
src_portgrp	(Optional) Source port group
dest_portgrp	(Optional) Destination port group
plen_op	(Optional) Source Port operator
plen1	(Optional) Packet length minimum
plen2	(Optional) packet length maximum

action	(Optional) Action
actionid	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535>
stats_enabled	(Optional)
frag_option	(Optional)
num_ace	(Optional) Total number of ACEs
conf_if_header	(Optional)
conf_if	(Optional) Configured Interfaces
active_if_header	(Optional)
active_if	(Optional) Active interfaces
expanded	(Optional) EXPANDED
summary	(Optional) SUMMARY
private	(Optional) PRIVATE
brief	(Optional) BRIEF
stats-detail	(Optional) STATS-DETAIL

Command Mode

- /exec

show accounting log

show accounting log [{ <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [end-time <EYYYY> <EMonth> <EDate> <ETime>] }] [__readonly__ [TABLE_acctlog_time <accountlog_starttime>]]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
i0	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
SYYYY	(Optional) Enter year in YYYY format
SMonth	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
SDate	(Optional) Enter day of month in dd format
STime	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
EYYYY	(Optional) Enter year in YYYY format
EMonth	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
EDate	(Optional) Enter day of month in dd format
ETime	(Optional) Enter hour, minutes, seconds as HH:MM:SS
__readonly__	(Optional)
TABLE_acctlog_time	(Optional)
accountlog_starttime	(Optional) accounting log starttime

Command Mode

- /exec

show accounting log all

show accounting log all [__readonly__ [TABLE_acctlog <accountlog_all>]]

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
all	Display accounting log including show commands (Use <terminal log-all> to enable show command accounting)
__readonly__	(Optional)
TABLE_acctlog	(Optional)
accountlog_all	(Optional) accounting log all

Command Mode

- /exec

show accounting log last-index

show accounting log last-index [__readonly__ { <last_index> }]

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
last-index	Show accounting log last index information
__readonly__	(Optional)
last_index	(Optional) accounting log last index

Command Mode

- /exec

show accounting log nvram

show accounting log nvram [{ <i0> | start-time <SYYYY> <SMonth> <SDate> <STime> [end-time <EYYYY> <EMonth> <EDate> <ETime>] }] [__readonly__ [TABLE_acctnvramlog_time <accountnvramlog_starttime>]]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
i0	(Optional) Log Size(in bytes)
start-time	(Optional) Show messages from a given start-time
SYYYY	(Optional) Enter year in YYYY format
SMonth	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
SDate	(Optional) Enter day of month in dd format
STime	(Optional) Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from a given end-time
EYYYY	(Optional) Enter year in YYYY format
EMonth	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
EDate	(Optional) Enter day of month in dd format
ETime	(Optional) Enter hour, minutes, seconds as HH:MM:SS
__readonly__	(Optional)
TABLE_acctnvramlog_time	(Optional)
accountnvramlog_starttime	(Optional) accounting log nvram starttime

Command Mode

- /exec

show accounting log nvram last-index

show accounting log nvram last-index [__readonly__ { <last_index> }]

Syntax Description

show	Show running system information
accounting	Show accounting configuration
log	Show Accounting Log
nvram	present in nvram
last-index	Show accounting log last index information
__readonly__	(Optional)
last_index	(Optional) accounting log last index

Command Mode

- /exec

show accounting log nvram start-seqnum

show accounting log nvram start-seqnum <SSEQNUM> [end-seqnum <ESEQNUM>] [__readonly__ [TABLE_acctnvramlog_seq <accountnvramlog_seq>]]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
nvram	present in nvram
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
SSEQNUM	Enter Starting Sequence Number
ESEQNUM	(Optional) Enter Starting Sequence Number
__readonly__	(Optional)
TABLE_acctnvramlog_seq	(Optional)
accountnvramlog_seq	(Optional) accounting log nvram seqnum

Command Mode

- /exec

show accounting log start-seqnum

show accounting log start-seqnum <SSEQNUM> [end-seqnum <ESEQNUM>] [__readonly__ [TABLE_acctlog_seq <accountlog_seq>]]

Syntax Description

show	Show running system information
accounting	Show Accounting Information
log	Show Accounting Log
start-seqnum	Show messages starting from a given sequence number
end-seqnum	(Optional) Show messages ending with a given sequence number
SSEQNUM	Enter Starting Sequence Number
ESEQNUM	(Optional) Enter Starting Sequence Number
__readonly__	(Optional)
TABLE_acctlog_seq	(Optional)
accountlog_seq	(Optional) accounting log seqnum

Command Mode

- /exec

show acl status

show acl status [__readonly__ [<status_log_string>]]

Syntax Description

show	Show running system information
acl	Show information about acl
status	Shows the status of last acl operation
__readonly__	(Optional)
status_log_string	(Optional) ppf entry string

Command Mode

- /exec

show amt process

show amt process [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ TABLE_vrf <vrf> <pid> <uuid> <q> <re4> <ge4> <re6> <ge6> <pi4> <ar4> <ag4> <ra4> <ga4> <dra4> <pi6> <ar6> <ag6> <ra6> <ga6> <dra6> <qqic4> <tc4> <tl4> <rc4> <rl4> <jp4> <qqic6> <tc6> <tl6> <rc6> <rl6> <jp6> <grm4> <gjp4> <gslp4> <gsl4> <grm6> <gjp6> <gslp6> <gsl6>]

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	(Optional) Display information for VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
process	Display AMT process information
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
pid	(Optional)
uuid	(Optional)
q	(Optional)
re4	(Optional)
ge4	(Optional)
re6	(Optional)
ge6	(Optional)
pi4	(Optional)
ar4	(Optional)
ag4	(Optional)
ra4	(Optional)
ga4	(Optional)
dra4	(Optional)
pi6	(Optional)

qqic4	(Optional)
tc4	(Optional)
tl4	(Optional)
rc4	(Optional)
rl4	(Optional)
jp4	(Optional)
qqic6	(Optional)
tc6	(Optional)
tl6	(Optional)
rc6	(Optional)
rl6	(Optional)
jp6	(Optional)
grm4	(Optional)
gjp4	(Optional)
gslp4	(Optional)
gsl4	(Optional)
grm6	(Optional)
gjp6	(Optional)
gslp6	(Optional)
gsl6	(Optional)

Command Mode

- /exec

show amt vrf all

show amt vrf all [__readonly__ TABLE_vrf <vrf> <cid> <ip_tid> <ipv6_tid>]

Syntax Description

show	Show running system information
amt	AMT show commands
vrf	Display all VRFs AMT is configured in
all	Display all VRFs AMT is configured in
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
cid	(Optional)
ip_tid	(Optional)
ipv6_tid	(Optional)

Command Mode

- /exec

show archive log config

show archive log config { all | [user <username>] [first-index <first_index> [last-index <last_index>]] } [__readonly__ [TABLE_archivelog_time [<archivelog_firstindex>]]]

Syntax Description

show	Show running system information
archive	Show archive configuration
log	Show Archive Log
config	Show Config Logger information
all	List all the records in the config log
user	(Optional) List records for specific user in the config log
username	(Optional) Username
first-index	(Optional) The first record number to display
last-index	(Optional) The last record number to display
first_index	(Optional) config log first index
last_index	(Optional) config log last index
__readonly__	(Optional)
TABLE_archivelog_time	(Optional)
archivelog_firstindex	(Optional) archive log startindex

Command Mode

- /exec

show arp access-lists

show arp access-lists [<name>] [__readonly__ TABLE_arp <arp_name> [TABLE_seqno <seqno> { <permitdeny> <reqresp> ip { { <sender_ip_any> | { { <sender_host> <sender_ip> | { <sender_net_ip> <sender_ip_mask> } } } } [{ <target_ip_any> | { { <target_host> <target_ip> | { <target_net_ip> <target_ip_mask> } } } }] } mac { { <sender_mac_any> | { { <sender_mac_host> <sender_mac> | { <sender_net_mac> <sender_mac_mask> } } } } [{ <target_mac_any> | { { <target_mac_host> <target_mac> | { <target_net_mac> <target_mac_mask> } } } }] } [<arp_log>] } | <remark>]] [capture session <session-id>]

Syntax Description

show	Show running system information
arp	ARP access-lists
access-lists	List access lists
name	(Optional) List name
__readonly__	(Optional)
arp_name	(Optional) Name of the ARP ACL
seqno	(Optional) Sequence number
permitdeny	(Optional) Permit/deny
ip	(Optional) Any IP protocol
TABLE_arp	(Optional)
TABLE_seqno	(Optional)
reqresp	(Optional) ARP_Request
sender_ip_any	(Optional) Any
sender_host	(Optional) Host
sender_ip	(Optional) IP address <a.b.c.d>
sender_net_ip	(Optional) IP address <a.b.c.d>
sender_ip_mask	(Optional) IP mask <a.b.c.d>
target_ip_any	(Optional) Any
target_host	(Optional) Host
target_ip	(Optional) IP address <a.b.c.d>
target_net_ip	(Optional) IP address <a.b.c.d>
target_ip_mask	(Optional) IP mask <a.b.c.d>

mac	(Optional) MAC configuration commands
sender_mac_any	(Optional) Any
sender_mac_host	(Optional) Host
sender_mac	(Optional) MAC address EEEE.EEEE.EEEE
sender_net_mac	(Optional) MAC address EEEE.EEEE.EEEE
sender_mac_mask	(Optional) MAC mask EEEE.EEEE.EEEE
target_mac_any	(Optional) Any
target_mac_host	(Optional) Host
target_mac	(Optional) MAC address EEEE.EEEE.EEEE
target_net_mac	(Optional) MAC address EEEE.EEEE.EEEE
target_mac_mask	(Optional) MAC mask EEEE.EEEE.EEEE
remark	(Optional) Remark String
arp_log	(Optional) Log
capture	(Optional) Enable packet capture on this filter for session
session	(Optional) Session ID <1-48> for this session
session-id	(Optional) Session ID <1-48> for this session

Command Mode

- /exec

B Show Commands

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show background

show background

Syntax Description

show	Show running system information
background	show background processes (started with 'source background <file>' command)

Command Mode

- /exec

show banner exec

show banner exec

Syntax Description

show	Show running system information
banner	Show current banner message
exec	Show current exec banner message

Command Mode

- /exec

show banner motd

show banner motd [__readonly__ { banner_msg <b_msg> }]

Syntax Description

show	Show running system information
banner	Show current banner message
motd	Show current motd banner message
__readonly__	(Optional)
banner_msg	(Optional) The banner message
b_msg	(Optional) The banner message

Command Mode

- /exec

show bash-shell

show bash-shell [__readonly__ { operation_status <o_status> }]

Syntax Description

show	Show running system information
bash-shell	Show bash shell status
__readonly__	(Optional)
operation_status	(Optional) Bash shell status
o_status	(Optional) operational status of bash shell

Command Mode

- /exec

show bfd-app session status

show bfd-app session status { src-ip { <src_ip> dest-ip <dest_ip> | <src_ipv6> dest-ip <dest_ipv6> } { iod <iod_id> | intf <intf_id> } | <all> }

Syntax Description

show	Show running system information
bfd-app	BFD application commands
session	session operation
src-ip	Source ip
src_ip	Source ip value
dest-ip	Destination ip
dest_ip	Destination ip value
iod	interface iod
iod_id	Interface iod in hex
intf	interface
intf_id	Interface Id
status	status of sessions
all	All sessions

Command Mode

- /exec

show bfd addrmap

show bfd addrmap [application <appid> discriminator <discr> address-type <addrtype> address <addr>] [__readonly__ TABLE_bfdSessMapTable <ciscoBfdSessApplicationId> <ciscoBfdSessDiscriminator> <ciscoBfdSessAddrType> <ciscoBfdSessAddr> <ciscoBfdSessMapBfdIndex>]

Syntax Description

show	Show running system information
bfd	BFD commands
addrmap	Session
application	(Optional)
discriminator	(Optional)
address-type	(Optional)
address	(Optional)
appid	(Optional)
discr	(Optional)
addrtype	(Optional)
addr	(Optional)
__readonly__	(Optional)
TABLE_bfdSessMapTable	(Optional) Address Map table
ciscoBfdSessApplicationId	(Optional)
ciscoBfdSessDiscriminator	(Optional)
ciscoBfdSessAddrType	(Optional)
ciscoBfdSessAddr	(Optional)
ciscoBfdSessMapBfdIndex	(Optional)

Command Mode

- /exec

show bfd clients

show bfd clients [__readonly__ <header> TABLE-bfdClients <client_name> <num_sess>]

Syntax Description

show	Show running system information
bfd	BFD commands
clients	bfd client list
__readonly__	(Optional)
header	(Optional) print header
TABLE-bfdClients	(Optional) BFD Client table
client_name	(Optional) client name
num_sess	(Optional) Number of sessions

Command Mode

- /exec

show bfd discrmap

show bfd discrmap [<discr>] [__readonly__ TABLE_bfdDiscMapTable <ciscoBfdSessDiscMapIndex>]

Syntax Description

show	Show running system information
bfd	BFD commands
discrmap	Session
discr	(Optional)
__readonly__	(Optional)
TABLE_bfdDiscMapTable	(Optional) Discriminator map table
ciscoBfdSessDiscMapIndex	(Optional)

Command Mode

- /exec

show bfd intfipmap

show bfd intfipmap [interface <intf> address-type <addrtype> address <addr>] [__readonly__ TABLE_ipMapTable <ciscoBfdSessInterface> <ciscoBfdSessAddrType> <ciscoBfdSessAddr> <ciscoBfdSessIpMapIndex>]

Syntax Description

show	Show running system information
bfd	BFD commands
intfipmap	Session
interface	(Optional)
address-type	(Optional)
address	(Optional)
intf	(Optional)
addrtype	(Optional)
addr	(Optional)
__readonly__	(Optional)
TABLE_ipMapTable	(Optional) ip map table
ciscoBfdSessInterface	(Optional)
ciscoBfdSessAddrType	(Optional)
ciscoBfdSessAddr	(Optional)
ciscoBfdSessIpMapIndex	(Optional)

Command Mode

- /exec

show bfd neighbors

show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module_no>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<dectect_timer>] [<down_count>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]

Syntax Description

show	Show running system information
bfd	BFD commands
ip_type	(Optional) ipv4 or ipv6
neighbors	neighbors
multihop	(Optional) Display Multihop sessions only
module	(Optional) module
module_no	(Optional) module number
interface	(Optional) interface
intf_id	(Optional) show bfd sessions based on interface id
application	(Optional) application
bfd_cli_client_names	(Optional) __nil__ Clients need to register with bfd for this list
src-ip	(Optional) Source ip
src-ipv6	(Optional) Source ip
src_ip	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest-ipv6	(Optional) Destination ip
dest_ip	(Optional) Destination ip value
vrf	(Optional) Display per-VRF information

vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
details	(Optional) details
__readonly__	(Optional)
TABLE_bfdNeighbor	(Optional) BFD Neighbor table
header	(Optional) Header
sess_type	(Optional) Session type
vrf_name	(Optional) vrf name
src_ip_addr	(Optional) Source IPV4 address
dest_ip_addr	(Optional) Destination IPV4 address
local_disc	(Optional) Local Discriminator
remote_disc	(Optional) Remote Discriminator
local_state	(Optional) Local State
remote_state	(Optional) Remote State
holddown	(Optional) Hold Down Time
cur_detect_mult	(Optional) Current Detection Multiplier
intf	(Optional) Interface
echo	(Optional) Echo enabled
echo_tx	(Optional) Echo Tx Interval
local_diag	(Optional) Local Diag
demand	(Optional) Demand Mode
poll	(Optional) Poll Bit
min_tx	(Optional) Local Min Tx Interval
min_rx	(Optional) Local Min Rx Interval
local_multi	(Optional) Local Detection Multiplier
dectect_timer	(Optional) Current Detection Timer
down_count	(Optional) Session Down Count
tx_interval	(Optional) Tx Interval

rx_count	(Optional) Tx Count
rx_avg	(Optional) Rx Interval Avg
rx_min	(Optional) Rx Interval Min
rx_max	(Optional) Rx Interval Max
last_rx	(Optional) Last Rx time
tx_count	(Optional) Tx Count
tx_avg	(Optional) Tx Interval Avg
tx_min	(Optional) Tx Interval Min
tx_max	(Optional) Tx Interval Max
last_tx	(Optional) Last Tx time
app	(Optional) App name
up_time	(Optional) Up time
version	(Optional) Version in Last Packet
diag	(Optional) diag in Last Packet
state_bit	(Optional) State Bit in Last Packet
demand_bit	(Optional) Demand Bit in Last Packet
poll_bit	(Optional) Poll Bit in Last Packet
final_bit	(Optional) Final Bit in Last Packet
multiplier	(Optional) Detection Multiplier in Last Packet
length	(Optional) Length in Last Packet
my_disc	(Optional) My Discriminator in Last Packet
your_disc	(Optional) Your Discriminator in Last Packet
min_tx_interval	(Optional) Min Tx Interval in Last Packet
req_min_rx	(Optional) Required Rx Interval in Last Packet
min_echo_interval	(Optional) Min Echo Interval in Last Packet
out_str	(Optional) No Host LC string
parent	(Optional) Parent Session
per_link_str	(Optional) Per Link string
host_lc	(Optional) Host LC

down_reason	(Optional) Session Down Reason
no_host_reason	(Optional) Not Hosted Reason
auth	(Optional) Authentication Mode
auth_bit	(Optional) Auth Bit in Last Packet
print_details	(Optional) print details

Command Mode

- /exec

show bfd scalar

show bfd scalar [__readonly__ <adminStatus> <version> <notifEnable>]

Syntax Description

show	Show running system information
bfd	BFD commands
scalar	bfd mib scalars
__readonly__	(Optional)
adminStatus	(Optional) bfd admin status
version	(Optional) bfd version number
notifEnable	(Optional) Enable bfd traps

Command Mode

- /exec

show bfd session

show bfd session { [discriminator <sessionIndex>] | [interface <intf_id>] | [application <app_name>] | [src-ip <src_ip>] | [dest-ip <dest_ip>] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [__readonly__ <vrf_name_header> TABLE_bfdSessTable <ciscoBfdSessIndex> <isMember> <ciscoBfdSessApplicationId> <ciscoBfdSessDiscriminator> <ciscoBfdSessRemoteDiscr> <ciscoBfdSessUdpPort> <ciscoBfdSessState> <remoteBfdSessState> <ciscoBfdSessRemoteHeardFlag> <ciscoBfdSessDiag> <remoteBfdSessDiag> <ciscoBfdSessOperMode> <ciscoBfdSessDemandModeDesiredFlag> <ciscoBfdSessEchoFuncModeDesiredFlag> <ciscoBfdSessControlPlanIndepFlag> <ciscoBfdSessAddrType> <ciscoBfdSessAddr> <localBfdSessAddr> <ciscoBfdSessDesiredMinTxInterval> <ciscoBfdSessReqMinRxInterval> <ciscoBfdSessReqMinEchoRxInterval> <ciscoBfdSessDetectMult> <remoteBfdSessDesiredMinTxInterval> <remoteBfdSessReqMinRxInterval> <remoteBfdSessReqMinEchoRxInterval> <remoteBfdSessDetectMult> <ciscoBfdSessStorType> <ciscoBfdSessRowStatus> <ciscoBfdSessAuthPresFlag> <ciscoBfdSessAuthenticationType> <ciscoBfdSessVersionNumber> <ciscoBfdSessType> <ciscoBfdSessInterface> <ciscoBfdSessPerfPktIn> <ciscoBfdSessPerfPktOut> <ciscoBfdSessUpTime> <ciscoBfdSessPerfLastSessDownTime> <ciscoBfdSessPerfLastCommLostDiag> <ciscoBfdSessPerfSessUpCount> <ciscoBfdSessPerfDiscTime> <ciscoBfdSessPerfPktInHC> <ciscoBfdSessPerfPktOutHC> <effasyncdt> <effechodt>]

Syntax Description

show	Show running system information
bfd	BFD commands
session	Session
discriminator	(Optional) Session local discriminator
sessionIndex	(Optional)
interface	(Optional) interface
intf_id	(Optional) show bfd sessions based on interface id
application	(Optional) application
app_name	(Optional) show bfd session based on application name
src-ip	(Optional) Source ip
src_ip	(Optional) Source ip value
dest-ip	(Optional) Destination ip
dest_ip	(Optional) Destination ip value
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

__readonly__	(Optional)
vrf_name_header	(Optional)
TABLE_bfdSessTable	(Optional) BFD Session table
ciscoBfdSessIndex	(Optional)
isMember	(Optional)
ciscoBfdSessApplicationId	(Optional)
ciscoBfdSessDiscriminator	(Optional)
ciscoBfdSessRemoteDiscr	(Optional)
ciscoBfdSessUdpPort	(Optional)
ciscoBfdSessState	(Optional) Session state
remoteBfdSessState	(Optional) Session state
ciscoBfdSessRemoteHeardFlag	(Optional)
ciscoBfdSessDiag	(Optional) Session diagnostic code
remoteBfdSessDiag	(Optional) Session diagnostic code
ciscoBfdSessOperMode	(Optional) ciscoBfdSessOperMode
ciscoBfdSessDemandModeDesiredFlag	(Optional)
ciscoBfdSessEchoFuncModeDesiredFlag	(Optional)
ciscoBfdSessControlPlanIndepFlag	(Optional)
ciscoBfdSessAddrType	(Optional) ciscoBfdSessAddrType
localBfdSessAddr	(Optional)
ciscoBfdSessAddr	(Optional)
ciscoBfdSessDesiredMinTxInterval	(Optional)
ciscoBfdSessReqMinRxInterval	(Optional)
ciscoBfdSessReqMinEchoRxInterval	(Optional)
ciscoBfdSessDetectMult	(Optional)
remoteBfdSessDesiredMinTxInterval	(Optional)
remoteBfdSessReqMinRxInterval	(Optional)
remoteBfdSessReqMinEchoRxInterval	(Optional)
remoteBfdSessDetectMult	(Optional)

ciscoBfdSessStorType	(Optional) ciscoBfdSessStorType
ciscoBfdSessRowStatus	(Optional)
ciscoBfdSessAuthPresFlag	(Optional)
ciscoBfdSessAuthenticationType	(Optional) ciscoBfdSessAuthenticationType
ciscoBfdSessVersionNumber	(Optional)
ciscoBfdSessType	(Optional) ciscoBfdSessType
ciscoBfdSessInterface	(Optional)
ciscoBfdSessPerfPktIn	(Optional)
ciscoBfdSessPerfPktOut	(Optional)
ciscoBfdSessUpTime	(Optional)
ciscoBfdSessPerfLastSessDownTime	(Optional)
ciscoBfdSessPerfLastCommLostDiag	(Optional)
ciscoBfdSessPerfSessUpCount	(Optional)
ciscoBfdSessPerfDiscTime	(Optional)
ciscoBfdSessPerfPktInHC	(Optional)
ciscoBfdSessPerfPktOutHC	(Optional)
effasyncdt	(Optional)
effechodt	(Optional)

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } { rib-install | rib-uninstall | rib-pending } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
rib-install	Routes installed in RIB
rib-uninstall	Routes not installed in RIB
rib-pending	Routes not acknowledged by RIB

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } policy statistics { { redistribute [{ { eigrp | isis | ospf | rip } <tag> } | static | direct | amt | lisp | hmm | am] } | { neighbor <neighbor-id> [default-originate | { route-map | filter-list | prefix-list } { in | out }] } | { dampening } | { network { <ip-addr> mask <ip-mask> | <ip-prefix> } } | { aggregate-address { <ip-addr> <ip-mask> | <ip-prefix> } { suppress-map | advertise-map } } } | vpnv4 unicast policy statistics { neighbor <neighbor-id> [{ route-map | filter-list | prefix-list } { in | out }] } | ipv6 { unicast | multicast } policy statistics { { redistribute [{ { eigrp | isis | ospfv3 | rip } <tag> } | static | direct | amt | lisp | hmm | am] } | { neighbor { <neighbor-id> | <ipv6-neighbor-id> } [default-originate | { route-map | filter-list | prefix-list } { in | out }] } | { dampening } | { network <ipv6-prefix> } | { aggregate-address <ipv6-prefix> { suppress-map | advertise-map } } } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-polstats> [<rpm-handle-count>] [{ TABLE_rmap <name> <action> <seqnum> [{ TABLE_cmd <command> <comparecount> <matchcount> }] [<totalacceptcount>] [<totalrejectcount>] }]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
policy	Display policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	(Optional) ISO IS-IS
ospf	(Optional) Open Shortest Path First
ospfv3	(Optional) Open Shortest Path First v3
rip	(Optional) Routing Information Protocol
eigrp	(Optional) Enhanced Interior Gateway Protocol

static	(Optional) Static routes
direct	(Optional) Directly connected
amt	(Optional) AMT anycast prefix
lisp	(Optional) LISP EID-prefixes in the non-default VRF
hmm	(Optional) HMM prefix
am	(Optional) AM routes (learned via ARP)
tag	(Optional) Source protocol tag
neighbor	Show neighbor specific counters
neighbor-id	Neighbor IPv4 address
route-map	(Optional) Neighbor route-map
prefix-list	(Optional) Neighbor prefix-list
filter-list	(Optional) Neighbor filter-list
out	(Optional) Outbound policy
in	(Optional) Inbound policy
default-originate	(Optional) Default-originate policy
dampening	Show dampening info
network	Configured IP prefix to advertise
mask	Configured mask of the IP prefix advertised
aggregate-address	Configured BGP aggregate prefixes
suppress-map	Statistics of suppress policy
advertise-map	Statistics of advertise policy
ip-addr	IP network advertised
ip-mask	Dotted 4-octet mask
ip-prefix	IP prefix in CIDR format
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-polstats	(Optional)
rpm-handle-count	(Optional)
TABLE_rmap	(Optional)

name	(Optional)
action	(Optional)
seqnum	(Optional)
TABLE_cmd	(Optional)
command	(Optional)
comparecount	(Optional)
matchcount	(Optional)
totalacceptcount	(Optional)
totalrejectcount	(Optional)

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ipv4 { unicast | multicast } | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast } [<ip-addr> [<ip-mask> [longer-prefixes]] [detail] | <ip-prefix> [longer-prefixes] [detail] | labels | exported | imported | detail] | { ipv6 { unicast | multicast } | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast } [<ipv6-prefix> [longer-prefixes] [detail] | labels | exported | imported | detail] | { ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] } [<ip-addr> [<ip-mask>] | <ip-prefix> | labels | mdt-group <mdt-group>] | { ipv4 | ipv6 } unicast [injected-routes] | link-state [route-type <rt-type> | <ipv4-ls-rt> | <ipv6-ls-rt>] | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [{ <ip-addr> [<ip-mask>] | <ip-prefix> } | { ve-id <ve-id> block-offset <ve-bs> }]] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [join <v4src-addr> <v4grp-addr> <src-asn> | rp <v4src-addr> <grp-v4prefix> <pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v4prefix> | sa-ad <v4src-addr> <v4grp-addr> | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [detail]] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [detail] | join [detail] | sa-ad [detail] | i-pmsi [detail]] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [join <v6src-addr> <v6grp-addr> <src-asn> | rp <v6src-addr> <grp-v6prefix> <pe-addr> <rp-flags> <rp-priority> <hashlen> | sa <grp-v6prefix> | sa-ad <v6src-addr> <v6grp-addr> | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [detail]] | route-type { 1 | 2 | 3 | 4 | 5 | 6 | 7 } [detail] | join [detail] | sa-ad [detail] | i-pmsi [detail]] | l2vpn evpn [route-type <rtype> [etid <et>] | rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> } [route-type <rtype> [etid <et>] | <ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address>] | vni-id <vni_id> [route-type <rtype>] | es <es-id> [route-type <rtype> [etid <et>]] | <ipv4-evpn-rt> | <ipv6-evpn-rt> | <mac-address>] | all [detail] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context

vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip-addr	(Optional) Display one particular network from the BRIB in detail
ip-mask	(Optional) Mask for one particular prefix in the BRIB
ip-prefix	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
labels	(Optional) Display BGP labels for prefixes
exported	(Optional) Display only exported prefixes
imported	(Optional) Display only imported prefixes
injected-routes	(Optional) Display only injected prefixes
mdt-group	(Optional) Display prefixes with MDT group address
mdt-group	(Optional) MDT group address
rd	(Optional) Display information for a route distinguisher
ve-id	(Optional) VPLS VE ID
ve-id	(Optional) VPLS VE ID
route-type	(Optional) EVPN Route Type number
rtype	(Optional) EVPN route type number
1	(Optional) Inter-AS PMSI AD
2	(Optional) Intra-AS PMSI AD
3	(Optional) SPMSI AD
4	(Optional) LEAF AD
5	(Optional) Source-Active AD
6	(Optional) Shared C-Multicast
7	(Optional) Source C-Multicast
vni-id	(Optional) EVPN VNI ID number
vni_id	(Optional) EVPN VNI ID number
rt-type	(Optional) Link-State route-type
es	(Optional) Ethernet Segment
es-id	(Optional) ESID

etid	(Optional) Ethernet Tag-ID for L2VPN EVPN route
et	(Optional) Ethernet Tag-ID
ipv4-evpn-rt	(Optional) EVPN IPv4 address
ipv4-ls-rt	(Optional) Link-State NLRI with descriptor including IPv4 address
mac-address	(Optional) MAC address
block-offset	(Optional) VPLS VE Block offset
ve-bs	(Optional) VPLS VE Block offset
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
join	(Optional) Display Multicast Join route
detail	(Optional) Display detailed path info for routes
sa	(Optional) Display Multicast Source Active AD route
sa-ad	(Optional) Display Multicast Source Active AD route
i-pmsi	(Optional) Display Multicast Intra-AS I-PMSI route
rp	(Optional) Display Multicast Group to RP route

v4src-addr	(Optional) Source IP Address
src-asn	(Optional) Source ASN
v4grp-addr	(Optional) Group IP Address
grp-v4prefix	(Optional) Group IP prefix
pe-addr	(Optional) PE IP Address
rp-flags	(Optional) Flags
rp-priority	(Optional) RP Priority
hashlen	(Optional) Hash mask length
1	(Optional) vrf
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)

TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)

originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)

flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)

psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } { route-map { <rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | { community-list { <commlist-name> | <test_pol_name> } | extcommunity-list { <extcommlist-name> | <test_pol_name> } } [exact-match] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
route-map	Display routes matching the route-map
rmap-name	Route-map name
rmap-name	Known route-map name
filter-list	Display routes matching the filter-list

fltrlist-name	Name of filter-list
community-list	Display routes matching the community-list
commlist-name	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
extcommlist-name	Name of extcommunity-list
test_pol_name	An existing test-list policy
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
exact-match	(Optional) Exact match of the communities
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)

TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)

TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)

pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)

community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { ipv4 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast } nexthop <ipnexthop> | { ipv6 { unicast | multicast } | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] } nexthop <ipv6nexthop> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
ipnexthop	Nexthop address

ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
evpn	Display BGP information for L2VPN EVPN address family
mvpn	Display BGP information for MVPN address family
labeled-unicast	Display BGP information for labeled-unicast address family
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)

nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)

metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)

dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)

psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { { { ipv4 { unicast | multicast } | vpnv4 unicast | ipv4 mdt | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn } nexthop-database [<ipnexthop>] } | { { ipv6 { unicast | multicast } | vpnv6 unicast | ipv6 mvpn } nexthop-database [<ipv6nexthop>] } | { all nexthop-database } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_nhvrf <nhvrf-name-out> TABLE_nhafi <nhafi> TABLE_nhsafi <nhsafi> <af-name> <nhcriticaldelay> <nhnoncriticaldelay> [{ TABLE_nexthop { <ipnexthop-out> | <ipv6nexthop-out> } <refcount> <igpmetric> <multipath> <igptype> <igppref> [{ TABLE_attachedhops { <attachedhop> | <ipv6attachedhop> } <interface> [{ TABLE_labels <index> <label> }] }] <attached> <local> <reachable> <labeled> <filtered> <resolvetime> { <ribroute> | <ipv6ribroute> } { <pendingupdate> | <pendingtime> } <nextadvertise> <rnhepoch> [<pendingrnhepoch>] }]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
nexthop-database	Display nexthop database
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
mdt	Display BGP information for multicast distribution tree
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
ipnexthop	(Optional) Nexthop address

__readonly__	(Optional)
TABLE_nhvrf	(Optional)
nhvrf-name-out	(Optional)
TABLE_nhafi	(Optional)
nhafi	(Optional)
TABLE_nhsafi	(Optional)
nhsafi	(Optional)
af-name	(Optional)
nhcriticaldelay	(Optional)
nhnoncriticaldelay	(Optional)
TABLE_nexthop	(Optional)
ipnexthop-out	(Optional)
refcount	(Optional)
igpmetric	(Optional)
multipath	(Optional)
igptype	(Optional)
igppref	(Optional)
TABLE_attachedhops	(Optional)
attachedhop	(Optional)
interface	(Optional)
TABLE_labels	(Optional)
index	(Optional)
label	(Optional)
attached	(Optional)
local	(Optional)
reachable	(Optional)
labeled	(Optional)
filtered	(Optional)
resolvetime	(Optional)

pendingupdate	(Optional)
pendingtime	(Optional)
ribroute	(Optional)
nextadvertise	(Optional)
rnhepoch	(Optional)
pendingrnhepoch	(Optional)

Command Mode

- /exec

show bgp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } flap-statistics [<ip-prefix> | <ip-addr> [<ip-mask>]] | ipv6 { unicast | multicast } flap-statistics [<ipv6-prefix>] | all flap-statistics } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [TABLE_afi <afi> TABLE_safi <safi> <af-name> [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [<dampening> <historypaths> <dampenedpaths>] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<status>] [<pathtype>] [<peer> | <ipv6peer>] [<flapcount>] [<duration>] [<reuse>] [<penalty>] [<suppresslimit>] [<reuselimit>] [<best>]]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ip-prefix	(Optional) Display flap statistics for one prefix
ip-addr	(Optional) Display flap statistics for one network
ip-mask	(Optional) Network mask
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)

af-name	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
status	(Optional)
best	(Optional)
pathtype	(Optional)
peer	(Optional)
flapcount	(Optional)
duration	(Optional)
reuse	(Optional)
penalty	(Optional)
suppresslimit	(Optional)
reuselimit	(Optional)

Command Mode

- /exec

show bgp bmp server

show bgp bmp server [<server-id>] [detail] [__readonly__ { system_name <sys_name> } { system_description <sys_description> } [{ TABLE_servers <server_id> <server_addr> <port> <admin_state> <oper_state> [<description>] <vrf> [<update_src>] <initial_delay> <refresh_interval> <stats_interval> [{ <initiation> <termination> <peer_up> <peer_down> <route_monitor> <route_mirror> <stats> <messages_dropped> }] [<monitored_peers>] [{ TABLE_peer <peer_addr> [{ <refresh_interval> <peer_up> <peer_down> <route_monitor> <route_mirror> <stats> <messages_dropped> }] [<prefixes_denied> <dup_pfx_advmnt> <pfx_dup_wdr_count> <cluster_list_loops> <as_path_loops> <as_confed_loops> <invalid_originator> <adj_rib_in> <loc-rib>] }] }]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
bmp	Display BMP state
server	Display BMP server information
server-id	(Optional) Display server specific information
detail	(Optional) Display detailed information
__readonly__	(Optional)
system_name	(Optional) bmp-server global information
sys_name	(Optional) system name
system_description	(Optional) bmp-server global information
sys_description	(Optional) system description
TABLE_servers	(Optional) all bmp servers
server_id	(Optional) server id number of bmp server
server_addr	(Optional) ip address of the bmp server
port	(Optional) port number of the bmp server
admin_state	(Optional) administrative status of bmp server
oper_state	(Optional) operational status of bmp server
description	(Optional) description for bmp server
vrf	(Optional) vrf context for bmp server
update_src	(Optional) updated source for bmp server
initial_delay	(Optional) initial delay for bmp server

refresh_interval	(Optional) refresh delay for bmp server
stats_interval	(Optional) frequency of stat updates
initiation	(Optional) number of initiation messages
termination	(Optional) number of termination messages
peer_up	(Optional) number of peer up messages
peer_down	(Optional) number of peer down messages
route_monitor	(Optional) number of route monitor messages
route_mirror	(Optional) number of route mirror messages
stats	(Optional) number of stats messages
messages_dropped	(Optional) number of dropped messages
monitored_peers	(Optional) number of monitored peers for the bmp server
TABLE_peer	(Optional) monitored peer for the bmp server
peer_addr	(Optional) ip address of the peer
refresh_interval	(Optional) refresh delay for the peer
peer_up	(Optional) number of peer up messages for the peer
peer_down	(Optional) number of peer down messages for the peer
route_monitor	(Optional) number of route monitor messages for the peer
route_mirror	(Optional) number of route mirror messages for the peer
stats	(Optional) number of stats messages for the peer
messages_dropped	(Optional) number of dropped messages for the peer
prefixes_denied	(Optional) prefixes denied for the peer
dup_pfx_advmnt	(Optional) dup pfx advmnt for the peer
pfx_dup_wdr_count	(Optional) pfx dup wdr count for the peer
cluster_list_loops	(Optional) cluster list loops for the peer
as_path_loops	(Optional) as path loops for the peer
as_confed_loops	(Optional) as confed loops for the peer
invalid_originator	(Optional) invalid originator for the peer
adj_rib_in	(Optional) adj-rib-in for the peer
loc-rib	(Optional) loc-rib for the peer

Command Mode

- /exec

show bgp community

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } community { <regexp-str> | { { <comm-id> | <wellknown-id> } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family

vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
labeled-unicast	Display BGP information for labeled-unicast address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
community	Display routes matching the BGP communities
regexp-str	Regular expression to match the communities
comm-id	BGP community value
wellknown-id	BGP wellknown community
exact-match	(Optional) Exact match of the communities
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)

rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)

typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)

vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)

remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp convergence

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] convergence [detail] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ <starttime> <configdonetime> <juststarted> [<initwaittime>] [<ldpconverged>] [<ulibconvergencesent>] [TABLE_vrf <vrf-name-out> <bestpathtimeout> <configuredtimeout> <updatedelay> [<firstpeerup>] <timerrunning> [<timerexpires>] [TABLE_afi <afi> TABLE_safi <safi> <af-name> <total_configured_peers> <total_capable_peers> <firstbestpathsignalled> [<firstbestpathsignalledtime>] <firstbestpathdone> [<firstbestpathdonetime> [<lastbestpathsignalledtime> <lastbestpathdonetime>]] [<riblibconvergencesent>] [<importtimerrunning>] [<importtimerexpires>] [{ TABLE_rcvdpeers [<peer>] [<ipv6peer>] [<signalledtimepeer>] }] [{ TABLE_notrcvdpeers [<notpeer>] [<notipv6peer>] [<nokeepalive>] [<notsignalledtime>] }]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
convergence	Display information about convergence
detail	(Optional) Display detailed information about convergence
__readonly__	(Optional)
starttime	(Optional)
configdonetime	(Optional)
juststarted	(Optional)
initwaittime	(Optional)
ldpconverged	(Optional)
ulibconvergencesent	(Optional)
TABLE_vrf	(Optional)
total_configured_peers	(Optional)
total_capable_peers	(Optional)
vrf-name-out	(Optional)
bestpathtimeout	(Optional)
configuredtimeout	(Optional)

updatedelay	(Optional)
firstpeerup	(Optional)
timerrunning	(Optional)
timerexpires	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
firstbestpathsignalled	(Optional)
firstbestpathsignalledtime	(Optional)
firstbestpathdone	(Optional)
firstbestpathdonetime	(Optional)
lastbestpathsignalledtime	(Optional)
lastbestpathdonetime	(Optional)
riblibconvergencesent	(Optional)
importtimerrunning	(Optional)
importtimerexpires	(Optional)
TABLE_rcvdpeers	(Optional)
peer	(Optional)
signalledtimepeer	(Optional)
TABLE_notrcvdpeers	(Optional)
notpeer	(Optional)
nokeepalive	(Optional)
notsignalledtime	(Optional)

Command Mode

- /exec

show bgp convergence private

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] convergence private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
convergence	Display information about convergence
private	Display private information about convergence

Command Mode

- /exec

show bgp dampening dampened

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } dampening { dampened-paths [regexp <regexp-str>] | history-paths [regexp <regexp-str>] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampened-paths	Display all dampened paths
history-paths	Display all history paths
dampening	Display dampening info
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format

ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
regexp-str	(Optional) Regular expression to match the AS paths
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)

rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)

typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)

vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)

remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp dampening flap-statistics

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } dampening flap-statistics [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [TABLE_afi <afi> TABLE_safi <safi> <af-name> [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [<dampening> <historypaths> <dampenedpaths>] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<status>] [<pathtype>] [<peer> | <ipv6peer>] [<flapcount>] [<duration>] [<reuse>] [<penalty>] [<suppresslimit>] [<reuselimit>] [<best>]]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampening	Display dampening info
flap-statistics	Display flap statistics for routes
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family

l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
status	(Optional)
best	(Optional)
pathtype	(Optional)
peer	(Optional)
flapcount	(Optional)
duration	(Optional)

reuse	(Optional)
penalty	(Optional)
suppresslimit	(Optional)
reuselimit	(Optional)

Command Mode

- /exec

show bgp dampening parameters

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } dampening parameters [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [TABLE_rd [<rd_val>] [<rd_vrf>] [<rd_vniid>] [<rpmname>] [TABLE_rpm <rpmindex> <rpmdamphalflife> <rpmdampsuppress> <rpmdampreuse> <rpmdampsuppresstime> <rpmdampmaxpenalty>] [<dampconfigured> <damphalflife> <dampsuppress> <dampreuse> <dampsuppresstime> <dampmaxpenalty>]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family

l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional) VRF RD
rd_vniid	(Optional)
TABLE_rpm	(Optional)
rpmname	(Optional)
rpmindex	(Optional)
rpmdamphalflife	(Optional)
rpmdampsuppress	(Optional)
rpmdampreuse	(Optional)
rpmdampsuppresstime	(Optional)
rpmdampmaxpenalty	(Optional)
dampconfigured	(Optional)
damphalflife	(Optional)
dampsuppress	(Optional)
dampreuse	(Optional)

dampsuppresstime	(Optional)
dampmaxpenalty	(Optional)

Command Mode

- /exec

show bgp default-info

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } default-info [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
default-info	Display information about default routes
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show bgp event-history

show bgp [internal] event-history { <bgp-event-hist> | events | errors | msgs | detail | periodic | objstore | developer }

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
internal	(Optional) Commands for internal use
event-history	Show various event logs of BGP
bgp-event-hist	Show BGP event log
detail	Show detailed event logs
events	Show event logs of BGP
errors	Show error logs of BGP
msgs	Show various message logs of BGP
objstore	Show objstore logs of BGP
developer	Show developer logs of BGP
periodic	Show periodic logs of BGP

Command Mode

- /exec

show bgp evi

show bgp evi [<evi-id>] [__readonly__ [TABLE_ctx <evid> <rd> <numlocalprefixes> <numtotalprefixes> <created> <lastoperup> <lastoperdown> <enabled> [<associatedvrf>] [TABLE_activeexportrts <exportrt>] [TABLE_activeimportrts <importrt>] [TABLE_evpnactiveexportrts <evpnexportrt>] [TABLE_evpnactiveimportrts <evpnimportrt>] [TABLE_mvpnactiveexportrts <mvpnexportrt>] [TABLE_mvpnactiveimportrts <mvpnimportrt>] [TABLE_activeexportrtsv6 <exportrtv6>] [TABLE_activeimportrtsv6 <importrtv6>] [TABLE_evpnactiveexportrtsv6 <evpnexportrtv6>] [TABLE_evpnactiveimportrtsv6 <evpnimportrtv6>] [TABLE_mvpnactiveexportrtsv6 <mvpnexportrtv6>] [TABLE_mvpnactiveimportrtsv6 <mvpnimportrtv6>]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
evi	Display information about EVI database
evi-id	(Optional) EVI Id
__readonly__	(Optional)
TABLE_ctx	(Optional)
evid	(Optional)
rd	(Optional)
numlocalprefixes	(Optional)
numtotalprefixes	(Optional)
created	(Optional)
lastoperup	(Optional)
lastoperdown	(Optional)
enabled	(Optional)
associatedvrf	(Optional)
TABLE_activeexportrts	(Optional)
TABLE_activeimportrts	(Optional)
TABLE_evpnactiveexportrts	(Optional)
TABLE_evpnactiveimportrts	(Optional)
TABLE_mvpnactiveexportrts	(Optional)
TABLE_mvpnactiveimportrts	(Optional)

TABLE_activeexportrtsv6	(Optional)
TABLE_activeimportrtsv6	(Optional)
TABLE_evpnactiveexportrtsv6	(Optional)
TABLE_evpnactiveimportrtsv6	(Optional)
TABLE_mvpnactiveexportrtsv6	(Optional)
TABLE_mvpnactiveimportrtsv6	(Optional)
importrt	(Optional)
exportrt	(Optional)
evpnimportrt	(Optional)
evpnexportrt	(Optional)
mvpnimportrt	(Optional)
mvpnexportrt	(Optional)
importrtv6	(Optional)
exportrtv6	(Optional)
evpnimportrtv6	(Optional)
evpnexportrtv6	(Optional)
mvpnimportrtv6	(Optional)
mvpnexportrtv6	(Optional)

Command Mode

- /exec

show bgp extcommunity

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } extcommunity { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family

ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family
labeled-unicast	Display BGP information for labeled-unicast address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
regexp-str	Regular expression to match the extcommunities
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
ext-comm-gen-trans	Extcommunity number aa4:nn format
ext-comm-gen-nontrans	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)

table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)

status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)

aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)

originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp l3vpn

show bgp l3vpn [detail] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [<vrf-id>] [<vrf-rd>] [<vrf-state>] [<vrf-state-rsn>] [<vrf-pending-rd>] [{ TABLE_af <af-id> [<af-name>] [<af-table-id>] [<af-state>] [<af-state-rsn>] [<af-num-peers>] [<af-num-active-peers>] [<af-peer-routes>] [<af-peer-paths>] [<af-peer-networks>] [<af-peer-aggregates>] [<af-export-rmap>] [<af-import-rmap>] [<af-retain-rt>] [TABLE_export_rt <export-rt>] [TABLE_import_rt <import-rt>] [TABLE_evpn_export_rt <evpn-export-rt>] [TABLE_evpn_import_rt <evpn-import-rt>] [TABLE_mvpn_export_rt <mvpn-export-rt>] [TABLE_mvpn_import_rt <mvpn-import-rt>] [<af-label-mode>] [<af-aggregate-label>] }]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
l3vpn	BGP l3vpn information
vrf	(Optional) Virtual Router Context
detail	(Optional) Detailed information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional) Read Only
TABLE_vrf	(Optional)
vrf-name-out	(Optional) VRF name
vrf-id	(Optional) VRF ID
vrf-state	(Optional) VRF State
vrf-state-rsn	(Optional) VRF State Reason
vrf-rd	(Optional) VRF RD
vrf-pending-rd	(Optional) VRF pending RD
TABLE_af	(Optional)
af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason

af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_export_rt	(Optional)
export-rt	(Optional) Export route-target
TABLE_import_rt	(Optional)
import-rt	(Optional) Import route-target
TABLE_evpn_export_rt	(Optional)
evpn-export-rt	(Optional) Export EVPN route-target
TABLE_evpn_import_rt	(Optional)
evpn-import-rt	(Optional) Import EVPN route-target
TABLE_mvpn_export_rt	(Optional)
mvpn-export-rt	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
mvpn-import-rt	(Optional) Import MVPN route-target
af-label-mode	(Optional) Label allocation mode
af-aggregate-label	(Optional) Aggregate Label

Command Mode

- /exec

show bgp neighbors

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | link-state | l2vpn vpls | l2vpn evpn | ipv4 mvpn | ipv6 mvpn | ipv4 labeled-unicast } neighbors [{ <neighbor-id> | <ipv6-neighbor-id> | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> }] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ [TABLE_neighbor { <neighbor> | <ipv6neighbor> | <templatepeer> | <ipv4prefixneighbor> | <ipv6prefixneighbor> } [<remoteas>] [<localas>] <link> [<peertype>] [<index>] [TABLE_peer <peer>] [<maxprefixpeers>] [<configpeer>] [<inherit-template>] [<inherit-session-template>] [{ <prefix-parent> | <ipv6prefix-parent> }] [<description>] [<version> <remote-id> <state> <up> [<elapsedtime>] [<restarttime>]] [<sourceif>] [<connectedif>] [<connectedcheck>] [<lowmemexempt>] [<bfd>] [<bfdmintxinterval>] [<bfdminrxinterval>] [<bfdmultiplier>] [<bfdauthenticationtype>] [<ttlsecurity>] [<ttllimit>] [<password>] [<passiveonly>] [<activepeers> <closingpeers> <maxconcurrentpeers>] [<allocatedpeers>] [<totalpeersaccepted>] [<localas-inactive>] <remove-privateas> { { [<lastread>] <holdtime> <keepalivetime> [<lastwrite>] [<keepalive>] <msgrecvd> <notificationsrcvd> <recvbufbytesinq> <msgsent> <notificationssent> <sentbytesoutstanding> <sentbytespacked> <connsestablished> <connsdropped> [<connattempts>] { { [<peerresettime>] <peerresetreason> [<resettime>] <resetreason> } | { [<resettime>] <resetreason> [<peerresettime>] <peerresetreason> } } [<capsnegotiated> <capmpadvertised> [<caprefreshadvertised> <capgrdynamicadvertised>] [<capmprecvd> <caprefreshrecvd> <capgrdynamicrecvd>] [<capolddynamicadvertised> <capolddynamicrecvd> <caprradvertised> <caprrrecvd> <capoldrradvertised> <capoldrrrecvd> <capas4advertised> <capas4recvd>] [{ TABLE_af <af-afi> TABLE_saf <af-safi> <af-advertised> <af-recvd> <af-name> }] [<capgradvertised> <capgrrecvd>] [{ TABLE_graf <gr-afi> TABLE_grsaf <gr-safi> <gr-af-name> <gr-adv> <gr-recv> <gr-fwd> }] [<grrestarttime> <grstaletime>] [<grrecvdrestarttime>] [[{ TABLE_addpathscapaf <addpathscap-afi> TABLE_addpathscapsaf <addpathscap-safi> <addpathscap-af-name> <addpathssendcap-adv> <addpathsrecvcap-adv> <addpathssendcap-recv> <addpathsrecvcap-recv> }] [<capaddpathsadvertised> <capaddpathsrecvd>]] [<capextendednhadvertised> <capextendednhrecvd>] [{ TABLE_capextendednhaf <capextendednh-afi> TABLE_capextendednhsaf <capextendednh-safi> <capextendednh-af-name> }]] } | { [<configholdtime> <configkeepalivetime>] } } [<epe>] [<epe-adj-sids>] [<epe-peer-rpc-set>] [<epe-peer-sid>] [<epe-peer-set-name>] [<epe-peer-set-rpc-set>] [<epe-peer-set-sid>] [{ TABLE_epe-adj { { <epe-adj-ip-local> <epe-adj-ip-remote> } | { <epe-adj-ipv6-local> <epe-adj-ipv6-remote> } } [<epe-adj-ifindex> <epe-adj-rpc-set> <epe-adj-sid>] }] [<grstate> <grexpiry>] [<firstkeepalive>] [<openssent> <opensrecvd> <updatessent> <updatesrecvd> <keepalivesent> <keepaliverecvd> <rtrefreshsent> <rtrefreshrecvd> <capabilitiessent> <capabilitiesrecvd> <bytessent> <bytesrecvd>] [TABLE_peraf <per-afi> TABLE_persaf <per-safi> <per-af-name> [<tableversion>] [<neighbortableversion>] [<pfxrecvd>] [<pathsrecvd>] [<pfxbytes>] [<pfxsent>] [<pathssent>] [<conditionmap> <advertisemap> <advertisemapstatus>] <insoftreconfigallowed> [<insoftreconfigallowedalways>] [<sendcommunity>] [<sendextcommunity>] [{ <localnexthop> | <ipv6localnexthop> }] [<thirdpartynexthop>] [<maxpfx>] [<maxpfx_threshold>] [<soo>] [<weight>] [<allowasin>] <asoverride> <peerascheckdisabled> [<vplssignalingprotocol>] [{ TABLE_inpolicy <inpolicynr> <inpolicytype> <inpolicyname> [<inpolicyhandle>] }] [{ TABLE_outpolicy <outpolicynr> <outpolicytype> <outpolicyname> [<outpolicyhandle>] }] <rrconfigured> <defaultoriginate> [<defaultoriginatermap>] [<defaultsent>] [<grpathssaved>] [<firsteorrecvd>] [<firsteortime>] [<pathsflushed>] [<lasteorrecvtime>] [<lasteorsenttime>] [<firstconvgtime>] [<pfxsentfirsteor>] [<unsuppress-map>] [{ TABLE_policy_template <preference> <inherit-policy-template> }]] [[<threadid>] [<passivethreadid> <passivefd>] [{ <localaddr> | <ipv6localaddr> } <localport> { <remoteaddr> | <ipv6remoteaddr> } <remoteport> <fd>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	(Optional) Display one particular BGP neighbor
neighbor-prefix-id	(Optional) Display details for a prefix peering
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_neighbor	(Optional)
neighbor	(Optional)
templatepeer	(Optional)
ipv4prefixneighbor	(Optional)
remoteas	(Optional)
localas	(Optional)
link	(Optional)

index	(Optional)
TABLE_peer	(Optional)
peer	(Optional)
maxprefixpeers	(Optional)
configpeer	(Optional)
inherit-template	(Optional)
inherit-session-template	(Optional)
prefix-parent	(Optional)
description	(Optional)
version	(Optional)
remote-id	(Optional)
state	(Optional)
up	(Optional)
elapsedtime	(Optional)
restarttime	(Optional)
peertype	(Optional)
sourceif	(Optional)
connectedif	(Optional)
connectedcheck	(Optional)
lowmemexempt	(Optional)
bfd	(Optional)
bfdmintxinterval	(Optional)
bfdminrxinterval	(Optional)
bfdmultiplier	(Optional)
bfdauthenticationtype	(Optional)
ttlsecurity	(Optional)
ttllimit	(Optional)
localas-inactive	(Optional)
passiveonly	(Optional)

activepeers	(Optional)
closingpeers	(Optional)
maxconcurrentpeers	(Optional)
allocatedpeers	(Optional)
totalpeersaccepted	(Optional)
password	(Optional)
remove-privateas	(Optional)
lastread	(Optional)
holdtime	(Optional)
keepalivetime	(Optional)
lastwrite	(Optional)
keepalive	(Optional)
msgrecvd	(Optional)
notificationsrcvd	(Optional)
recvbufbytesinq	(Optional)
msgsent	(Optional)
notificationssent	(Optional)
sentbytesoutstanding	(Optional)
sentbytespacked	(Optional)
connsestablished	(Optional)
connsdropped	(Optional)
connattempts	(Optional)
peerresettime	(Optional)
peerresetreason	(Optional)
resettime	(Optional)
resetreason	(Optional)
configholdtime	(Optional)
configkeepalivetime	(Optional)
grstate	(Optional)

grexpiry	(Optional)
firstkeepalive	(Optional)
epe	(Optional)
epe-adj-sids	(Optional)
epe-peer-rpc-set	(Optional)
epe-peer-sid	(Optional)
epe-peer-set-name	(Optional)
epe-peer-set-rpc-set	(Optional)
epe-peer-set-sid	(Optional)
TABLE_epe-adj	(Optional)
epe-adj-ip-local	(Optional)
epe-adj-ip-remote	(Optional)
epe-adj-ifindex	(Optional)
epe-adj-rpc-set	(Optional)
epe-adj-sid	(Optional)
openssent	(Optional)
opensrecvd	(Optional)
updatessent	(Optional)
updatesrecvd	(Optional)
keepalivesent	(Optional)
keepaliverecvd	(Optional)
rtrefreshsent	(Optional)
rtrefreshrecvd	(Optional)
capabilitiessent	(Optional)
capabilitiesrecvd	(Optional)
bytessent	(Optional)
bytesrecvd	(Optional)
threadid	(Optional)
fd	(Optional)

passivethreadid	(Optional)
passivefd	(Optional)
localaddr	(Optional)
localport	(Optional)
remoteaddr	(Optional)
remoteport	(Optional)
capsnegotiated	(Optional)
capmpadvertised	(Optional)
capgrdynamicadvertised	(Optional)
capaddpathsadvertised	(Optional)
caprefreshadvertised	(Optional)
capmprecvd	(Optional)
capgrdynamicrecvd	(Optional)
capaddpathsrecvd	(Optional)
caprefreshrecvd	(Optional)
capolddynamicadvertised	(Optional)
capolddynamicrecvd	(Optional)
caprradvertised	(Optional)
caprrrecvd	(Optional)
capoldrradvertised	(Optional)
capoldrrrecvd	(Optional)
capas4advertised	(Optional)
capas4recvd	(Optional)
TABLE_af	(Optional)
af-afi	(Optional)
TABLE_saf	(Optional)
af-safi	(Optional)
af-advertised	(Optional)
af-recvd	(Optional)

af-name	(Optional)
capgradvertised	(Optional)
capgrrecvd	(Optional)
TABLE_graf	(Optional)
gr-afi	(Optional)
TABLE_grsaf	(Optional)
gr-safi	(Optional)
gr-af-name	(Optional)
gr-adv	(Optional)
gr-recv	(Optional)
gr-fwd	(Optional)
grrestarttime	(Optional)
grstaletime	(Optional)
grrecvdrestarttime	(Optional)
TABLE_addpathscapaf	(Optional)
addpathscap-afi	(Optional)
TABLE_addpathscapsaf	(Optional)
addpathscap-safi	(Optional)
addpathscap-af-name	(Optional)
addpathssendcap-adv	(Optional)
addpathsrecvcap-adv	(Optional)
addpathssendcap-recv	(Optional)
addpathsrecvcap-recv	(Optional)
capextendednhadvertised	(Optional)
capextendednhrecvd	(Optional)
TABLE_capextendednhaf	(Optional)
capextendednh-afi	(Optional)
TABLE_capextendednhsaf	(Optional)
capextendednh-safi	(Optional)

capextendednh-af-name	(Optional)
TABLE_peraf	(Optional)
per-afi	(Optional)
TABLE_persaf	(Optional)
per-safi	(Optional)
per-af-name	(Optional)
tableversion	(Optional)
neighbortableversion	(Optional)
pfxrecvd	(Optional)
pathsrecvd	(Optional)
pfxbytes	(Optional)
pfxsent	(Optional)
pathssent	(Optional)
conditionmap	(Optional)
advertisemap	(Optional)
advertisemapstatus	(Optional)
insoftreconfigallowed	(Optional)
insoftreconfigallowedalways	(Optional)
sendcommunity	(Optional)
sendextcommunity	(Optional)
maxpfx	(Optional)
maxpfx_threshold	(Optional)
localnexthop	(Optional)
TABLE_inpolicy	(Optional)
inpolicynr	(Optional)
inpolicytype	(Optional)
inpolicyname	(Optional)
inpolicyhandle	(Optional)
TABLE_outpolicy	(Optional)

outpolicynr	(Optional)
outpolicytype	(Optional)
outpolicyname	(Optional)
outpolicyhandle	(Optional)
rrconfigured	(Optional)
defaultoriginate	(Optional)
defaultoriginatermap	(Optional)
defaultsent	(Optional)
grpathssaved	(Optional)
firsteorrecvd	(Optional)
firsteortime	(Optional)
pathsflushed	(Optional)
lasteorrecvtime	(Optional)
lasteorsenttime	(Optional)
firstconvgtime	(Optional)
pfxsentfirsteor	(Optional)
unsuppress-map	(Optional)
thirdpartynexthop	(Optional)
soo	(Optional)
weight	(Optional)
allowasin	(Optional)
asoverride	(Optional)
peerascheckdisabled	(Optional)
vplssignalingprotocol	(Optional)
TABLE_policy_template	(Optional)
preference	(Optional)
inherit-policy-template	(Optional)

Command Mode

- /exec

show bgp neighbors

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4 labeled-unicast | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } { routes [advertised | received | dampened] | advertised-routes | received-routes } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
labeled-unicast	Display BGP information for labeled-unicast address family
ipv6	Display BGP information for IPv6 address family

unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
routes	Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
advertised-routes	Display all the routes advertised to this peer
received-routes	Display all the routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)

bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)

weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)

flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)

psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp neighbors commands

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } commands [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ [{ TABLE_sesscmd <sessioncmd> <sessioncmdstatus> [<sessioncmdtemplate>] }] [TABLE_af <af-afi> TABLE_saf <af-safi> <af-name> [{ TABLE_polcmd <policycmd> <policycmdstatus> [<policycmdtemplate>] }]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbor-id	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
neighbors	Display all configured BGP neighbors
commands	Display details on commands
__readonly__	(Optional)
TABLE_sesscmd	(Optional)
sessioncmd	(Optional)
sessioncmdstatus	(Optional)
sessioncmdtemplate	(Optional)

TABLE_af	(Optional)
af-afi	(Optional)
TABLE_saf	(Optional)
af-safi	(Optional)
af-name	(Optional)
TABLE_polcmd	(Optional)
policycmd	(Optional)
policycmdstatus	(Optional)
policycmdtemplate	(Optional)

Command Mode

- /exec

show bgp neighbors flap-statistics

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } neighbors { <neighbor-id> | <ipv6-neighbor-id> } flap-statistics [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [TABLE_afi <afi> TABLE_safi <safi> <af-name> [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [<dampening> <historypaths> <dampenedpaths>] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<status>] [<pathtype>] [<peer> | <ipv6peer>] [<flapcount>] [<duration>] [<reuse>] [<penalty>] [<suppresslimit>] [<reuselimit>] [<best>]]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
flap-statistics	Display flap statistics for routes received from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_rd	(Optional)

rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
status	(Optional)
best	(Optional)
pathtype	(Optional)
peer	(Optional)
flapcount	(Optional)
duration	(Optional)
reuse	(Optional)
penalty	(Optional)
suppresslimit	(Optional)
reuselimit	(Optional)

Command Mode

- /exec

show bgp neighbors paths

show bgp { { [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } } | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | ipv4 labeled-unicast | link-state | l2vpn evpn } neighbors { <neighbor-id> | <ipv6-neighbor-id> } paths [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [TABLE_id <id> <hashvalue> <refcount> <metric> <aspath>]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	Display one particular BGP neighbor
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
all	Display BGP information for all address families
l2vpn	Display BGP information for L2VPN address family
evpn	Display BGP information for L2VPN EVPN address family
paths	Display AS paths learned from this peer
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)

TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
TABLE_id	(Optional)
id	(Optional)
hashvalue	(Optional)
refcount	(Optional)
metric	(Optional)
aspath	(Optional)

Command Mode

- /exec

show bgp paths

show [ip] bgp paths [__readonly__ TABLE_id <id> <hashvalue> <refcount> <metric> <aspath> <origin>]

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
paths	Display Path information
__readonly__	(Optional)
TABLE_id	(Optional)
id	(Optional)
hashvalue	(Optional)
refcount	(Optional)
metric	(Optional)
aspath	(Optional)
origin	(Optional)

Command Mode

- /exec

show bgp peer-template

show [ip] bgp peer-template [<peer-template-name>] [__readonly__ { TABLE_neighbor <templatepeer> [<remoteas>] [<inherit-template>] [<inherit-session-template>] [{ <prefix-parent> | <ipv6prefix-parent> }] [<description>] [<sourceif>] [<connectedcheck>] [<lowmemexempt>] [<bfd>] [<bfdmintxinterval>] [<bfdminrxinterval>] [<bfdmultiplier>] [<bfdauthenticationtype>] [<ttlsecurity>] [<ttllimit>] [<password>] [<passiveonly>] <localas-inactive> [<remove-privateas>] [<configholdtime> <configkeepalivetime>] [TABLE_peraf <per-afi> TABLE_persaf <per-safi> <per-af-name> [<tableversion>] [<neighbortableversion>] [<pfxrecvd>] [<pathsrecvd>] [<pfxbytes>] [<pfxsent>] [<pathssent>] [<conditionmap> <advertisemap> <advertisemapstatus>] <insoftreconfigallowed> [<insoftreconfigallowedalways>] [<sendcommunity>] [<sendextcommunity>] [{ <localnexthop> | <ipv6localnexthop> }] [<thirdpartynexthop>] [<maxpfx>] [<maxpfx_threshold>] [<soo>] [<weight>] [<allowasin>] <asoverride> <peerascheckdisabled> [<vplssignalingprotocol>] [{ TABLE_inpolicy <inpolicynr> <inpolicytype> <inpolicyname> [<inpolicyhandle>] }] [{ TABLE_outpolicy <outpolicynr> <outpolicytype> <outpolicyname> [<outpolicyhandle>] }] <rrconfigured> <defaultoriginate> [<defaultoriginatermap>] [<defaultsent>] [<grpathssaved>] [<firsteorrecvd>] [<firsteortime>] [<pathsflushed>] [<lasteorrecvtime>] [<lasteorsenttime>] [<firstconvgtime>] [<pfxsentfirsteor>] [<unsuppress-map>] [{ TABLE_policy_template <preference> <inherit-policy-template> }]] [TABLE_vrf <vrf-name> [TABLE_inheritingpeer <inheritingpeer>]] }]

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-template	Display information about a peer-template
peer-template-name	(Optional) Peer-template name
__readonly__	(Optional)
TABLE_neighbor	(Optional)
templatepeer	(Optional)
remoteas	(Optional)
inherit-template	(Optional)
inherit-session-template	(Optional)
prefix-parent	(Optional)
description	(Optional)
sourceif	(Optional)
connectedcheck	(Optional)
lowmemexempt	(Optional)

bfd	(Optional)
bfdmintxinterval	(Optional)
bfdminrxinterval	(Optional)
bfdmultiplier	(Optional)
bfdauthenticationtype	(Optional)
ttlsecurity	(Optional)
ttllimit	(Optional)
passiveonly	(Optional)
password	(Optional)
localas-inactive	(Optional)
remove-privateas	(Optional)
configholdtime	(Optional)
configkeepalivetime	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_inheritingpeer	(Optional)
inheritingpeer	(Optional)
TABLE_peraf	(Optional)
per-afi	(Optional)
TABLE_persaf	(Optional)
per-safi	(Optional)
per-af-name	(Optional)
tableversion	(Optional)
neighbortableversion	(Optional)
pfxrecvd	(Optional)
pathsrecvd	(Optional)
pfxbytes	(Optional)
pfxsent	(Optional)
pathssent	(Optional)

conditionmap	(Optional)
advertisemap	(Optional)
advertisemapstatus	(Optional)
insoftreconfigallowed	(Optional)
insoftreconfigallowedalways	(Optional)
sendcommunity	(Optional)
sendextcommunity	(Optional)
maxpfx	(Optional)
maxpfx_threshold	(Optional)
localnexthop	(Optional)
TABLE_inpolicy	(Optional)
inpolicynr	(Optional)
inpolicytype	(Optional)
inpolicyname	(Optional)
inpolicyhandle	(Optional)
TABLE_outpolicy	(Optional)
outpolicynr	(Optional)
outpolicytype	(Optional)
outpolicyname	(Optional)
outpolicyhandle	(Optional)
rrconfigured	(Optional)
defaultoriginate	(Optional)
defaultoriginatermap	(Optional)
defaultsent	(Optional)
grpathssaved	(Optional)
firsteorrecvd	(Optional)
firsteortime	(Optional)
pathsflushed	(Optional)
lasteorrecvtime	(Optional)

lasteorsenttime	(Optional)
firstconvgtime	(Optional)
pfxsentfirsteor	(Optional)
unsuppress-map	(Optional)
thirdpartynexthop	(Optional)
soo	(Optional)
weight	(Optional)
allowasin	(Optional)
asoverride	(Optional)
peerascheckdisabled	(Optional)
vplssignalingprotocol	(Optional)
TABLE_policy_template	(Optional)
preference	(Optional)
inherit-policy-template	(Optional)

Command Mode

- /exec

show bgp peer

show [ip] bgp { peer-session [<session-template-name>] | peer-policy [<policy-template-name>] } [__readonly__ TABLE_template <template> <present> [{ TABLE_command <command> [<polarity>] [<updatesource>] [<description>] [<multihop>] [<holdtime>] [<keepalive>] [<routemapin>] [<routemapout>] [<filterlistin>] [<filterlistout>] [<prefixlistin>] [<prefixlistout>] [<maxprefixlimit>] [<defaultorigin>] }] [{ TABLE_vrf <vrf-name> { TABLE_peer <inheritingpeer> } }]]

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
bgp	Display BGP status and configuration
peer-session	Display information about a peer-session
peer-policy	Display information about a peer-policy
session-template-name	(Optional) Peer-session name
policy-template-name	(Optional) Peer-policy name
__readonly__	(Optional)
TABLE_template	(Optional)
template	(Optional)
present	(Optional)
TABLE_command	(Optional)
command	(Optional)
polarity	(Optional)
updatesource	(Optional)
description	(Optional)
multihop	(Optional)
holdtime	(Optional)
keepalive	(Optional)
routemapin	(Optional)
routemapout	(Optional)
filterlistin	(Optional)
filterlistout	(Optional)

prefixlistin	(Optional)
prefixlistout	(Optional)
maxprefixlimit	(Optional)
defaultorigin	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_peer	(Optional)
inheritingpeer	(Optional)

Command Mode

- /exec

show bgp prefix-list

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } } prefix-list { <prfxlist-name> | <test_pol_name> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
prfxlist-name	Name of prefix-list
test_pol_name	An existing test-list policy
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
__readonly__	(Optional)

TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)

export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)

pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)

evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp private

show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { all_private | session | ipc | rnh | lists | rpm-info [route-map <rpm-name> { <ip-prefix> | <ipv6-prefix> }] | attr [{ <ip-prefix> }] | rpm-attribute-cache | rpm-comm-attr-cache | virtual [summary] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
all_private	Show all info
session	Show session info
lists	Show BGP internal lists
route-map	(Optional) Show information for route-map
rpm-info	Show BGP policy outbound info
ip-prefix	(Optional) Show attribute for a prefix
rpm-name	(Optional) Route-map name
attr	Show attribute information
ipc	Show ipc information
rnh	Show recursive next hops
rpm-attribute-cache	Show rpm attribute cache statistics
rpm-comm-attr-cache	Show rpm community attribute cache statistics
summary	(Optional) Summary only
virtual	Virtualization related
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show bgp private attr

show bgp private attr [remote-nh] [[[ipv4 { unicast | multicast } <ip-prefix>] | [ipv6 { unicast | multicast } <ipv6-prefix>]] [detail]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
attr	Show BGP attributes
remote-nh	(Optional) Show Remote NH Attr
ipv4	(Optional) Display BGP information for IPv4 address family
ipv6	(Optional) Display BGP information for IPv6 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
detail	(Optional) Show detailed info
ip-prefix	(Optional) Show attribute for a prefix

Command Mode

- /exec

show bgp private damp

show bgp private [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } damp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
damp	Show dampening info

Command Mode

- /exec

show bgp private debug history

show bgp private debug history { all | ead-es | es | mac }

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
private	Show BGP information intended for developer eyes only
debug	Debug
history	history
all	all
ead-es	ead-es
es	es
mac	mac

Command Mode

- /exec

show bgp process

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] process [detail] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ [<processid> <protocolstartedreason> <protocoltag> <protocolstate> [<isolatemode>] <mmode> <memorystate> [<mallocmemorystate>] [<platformmemorystate>] [<lowmemorytimer>] [<issu>] <forwardingstatesaved> <asformat> [<fabricsoo>] [<srgbmin> <srgbmax>] [<epeconfiguredpeers> <epeactivepeers>] <attributeentries> <hwmattributeentries> <bytesused> <entriespendingdelete> <hwmentriespendingdelete> <pathsperattribute> <aspathentries> <aspathbytes>] TABLE_vrf <vrf-name-out> [<vrf-id>] [<vrf-state>] [<vrf-state-rsn>] [<vrf-delete-pending>] [<vrf-evpn-mpls>] [<vrf-vni-id>] [<vrf-vni-id-valid>] [<vrf-topo-id>] [<vrf-encap-type>] [<vrf-vtep-ip>] [<vrf-vtep-virtual-ip>] [<vrf-vtep-vipr>] [<vrf-router-mac>] [<vrf-vip-router-mac>] [<vrf-vipr-router-mac>] [<vrf-router-id>] [<vrf-cfgd-id>] [<vrf-local-as>] [<vrf-confed-id>] [<vrf-cluster-id>] [<vrf-reconnect-interval>] [<vrf-peers>] [<vrf-pending-peers>] [<vrf-est-peers>] [<vrf-cfgd-max-as-limit>] [<vrf-max-as-limit>] [<vrf-rd-configured>] [<vrf-rd>] [<vrf-pending-rd>] { TABLE_af <af-id> [<af-name>] [<af-table-id>] [<af-state>] [<af-state-rsn>] [<af-num-peers>] [<af-num-active-peers>] [<af-peer-routes>] [<af-peer-paths>] [<af-peer-networks>] [<af-peer-aggregates>] [<af-export-rmap>] [<af-import-rmap>] [<af-retain-rt>] [{ TABLE_redist <protocol> <route-map> }] <wait-igp-convergence> [{ TABLE_add_paths_selection <route-map> }] [TABLE_export_rt <export-rt>] [TABLE_import_rt <import-rt>] [TABLE_evpn_export_rt <evpn-export-rt>] [TABLE_evpn_import_rt <evpn-import-rt>] [TABLE_mvpn_export_rt <mvpn-export-rt>] [TABLE_mvpn_import_rt <mvpn-import-rt>] [<af-label-mode>] [<af-aggregate-label>] [<importdefault_prefixlimit> <importdefault_prefixcount> <importdefault_map>] [<exportdefault_prefixlimit> <exportdefault_prefixcount> <exportdefault_map>] <af-rr> <default-information-enabled> [<default-information-rd> <default-information-rt>] <nexthop-trigger-delay-critical> <nexthop-trigger-delay-non-critical> [<nexthop-route-map>] }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
process	BGP global information
detail	(Optional) Detailed information
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional) Read Only
processid	(Optional)
protocolstartedreason	(Optional)
protocoltag	(Optional)
protocolstate	(Optional)
isolatemode	(Optional)

mmode	(Optional)
memorystate	(Optional)
mallocmemorystate	(Optional)
platformmemorystate	(Optional)
lowmemorytimer	(Optional)
issu	(Optional)
forwardingstatesaved	(Optional)
asformat	(Optional)
attributeentries	(Optional)
fabricsoo	(Optional)
srgbmin	(Optional)
srgbmax	(Optional)
epeconfiguredpeers	(Optional)
epeactivepeers	(Optional)
hwmattributeentries	(Optional)
bytesused	(Optional)
entriespendingdelete	(Optional)
hwmentriespendingdelete	(Optional)
pathsperattribute	(Optional)
aspathentries	(Optional)
aspathbytes	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional) VRF name
vrf-id	(Optional) VRF ID
vrf-state	(Optional) VRF State
vrf-state-rsn	(Optional) VRF State Reason
vrf-delete-pending	(Optional) VRF delete pending
vrf-evpn-mpls	(Optional) VRF EVPN L3 MPLS
vrf-vni-id	(Optional) VRF VNI ID

vrf-vni-id-valid	(Optional) VRF VNI ID validity
vrf-topo-id	(Optional) VRF Topo ID
vrf-encap-type	(Optional) VRF encapsulation type
vrf-vtep-ip	(Optional) VRF VTEP IP
vrf-vtep-virtual-ip	(Optional) VRF VTEP Virtual IP
vrf-vtep-vipr	(Optional) VRF VTEP Virtual IP for Re-origination
vrf-router-mac	(Optional) VRF Router MAC
vrf-vip-router-mac	(Optional) VRF VIP Router MAC
vrf-vipr-router-mac	(Optional) VRF VIPR Router MAC
vrf-router-id	(Optional) Router ID
vrf-cfgd-id	(Optional) Configured Router-ID
vrf-local-as	(Optional) Local AS
vrf-confed-id	(Optional) Cluster-ID
vrf-cluster-id	(Optional) Cluster-ID
vrf-reconnect-interval	(Optional) VRF reconnect interval
vrf-peers	(Optional) No. of configured peers
vrf-pending-peers	(Optional) No. of pending peers
vrf-est-peers	(Optional) No. of established peers
vrf-cfgd-max-as-limit	(Optional) Configured maxas-limit
vrf-max-as-limit	(Optional) Active maxas-limit
vrf-rd-configured	(Optional) VRF RD Configured
vrf-rd	(Optional) VRF RD
vrf-pending-rd	(Optional) VRF pending RD
TABLE_af	(Optional)
af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason

af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_redist	(Optional)
protocol	(Optional) Protocol
route-map	(Optional) Route Map
wait-igp-convergence	(Optional)
TABLE_add_paths_selection	(Optional)
route-map	(Optional) Route Map
TABLE_export_rt	(Optional)
export-rt	(Optional) Export route-target
TABLE_import_rt	(Optional)
import-rt	(Optional) Import route-target
TABLE_evpn_export_rt	(Optional)
evpn-export-rt	(Optional) Export EVPN route-target
TABLE_evpn_import_rt	(Optional)
evpn-import-rt	(Optional) Import EVPN route-target
TABLE_mvpn_export_rt	(Optional)
mvpn-export-rt	(Optional) Export MVPN route-target
TABLE_mvpn_import_rt	(Optional)
mvpn-import-rt	(Optional) Import MVPN route-target
af-label-mode	(Optional) Label allocation mode
af-aggregate-label	(Optional) Aggregate Label

importdefault_prefixlimit	(Optional) Maximum number of prefixes allowed
importdefault_prefixcount	(Optional) Current number of prefixes
importdefault_map	(Optional) Configured route-map
exportdefault_prefixlimit	(Optional) Maximum number of prefixes allowed
exportdefault_prefixcount	(Optional) Current number of prefixes
exportdefault_map	(Optional) Configured route-map
af-rr	(Optional) Is a Route-reflector
default-information-enabled	(Optional) Default-information originate is enabled
default-information-rd	(Optional) Default-information originate RD
default-information-rt	(Optional) Default-information originate RT
nexthop-trigger-delay-critical	(Optional)
nexthop-trigger-delay-non-critical	(Optional)
nexthop-route-map	(Optional)

Command Mode

- /exec

show bgp received-paths

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv4 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | vpnv6 unicast [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 labeled-unicast | link-state | l2vpn vpls [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv6 mvpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | l2vpn evpn [rd { <ext-comm-rd-aa2nn4> | <ext-comm-rd-aa4nn2> }] | ipv4 labeled-unicast | all } received-paths [private] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
rd	(Optional) Display information for a route distinguisher
ext-comm-rd-aa4nn2	(Optional) VPN route distinguisher in aa4:nn or ip:nn format
ext-comm-rd-aa2nn4	(Optional) VPN route distinguisher in aa:nn format
ipv4	Display BGP information for IPv4 address family

ipv6	Display BGP information for IPv6 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
mdt	Display BGP information for multicast distribution tree
labeled-unicast	Display BGP information for labeled-unicast address family
link-state	Display BGP information for link-state address family
l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
private	(Optional) private
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)

ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)

neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)

flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)

pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp regexp

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } regexp <regexp-str> [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
regexp-str	Regular expression to match the AS paths
__readonly__	(Optional)

TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)

export-on-newlist	(Optional)
export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)

pathstaled	(Optional)
pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)

evpn-esi	(Optional)
link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp self-originated

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } self-originated [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_afi <afi> TABLE_safi <safi> <af-name> [<table-version> <router-id>] [TABLE_rd [<rd_val> [<rd_vrf>] [<rd_vniid>]] [TABLE_prefix { <ipprefix> | <ipv6prefix> | <nonipprefix> } [<prefixversion> <totalpaths> <bestpathnr> [<on-newlist> <on-xmitlist> <suppressed> <needsresync> <locked>] [<export-on-newlist> <export-on-xmitlist>] [<locallabel>] [<labelhldwstr>] [<mpath>]] { TABLE_path <pathnr> { { <status> <best> <type> <statuscode> <bestcode> <typecode> { <ipnexthop> | <ipv6nexthop> } { { <inlabel> <outlabel> <vpn> <hold_down> } | { <weight> <aspath> <origin> [<metric>] [<localpref>] } } } | { [<policyincomplete> <pathvalid> <pathbest> <pathdeleted> <pathstaled> <pathhistory> <pathovermaxaslimit> <pathmultipath> <pathnolabeledrnh>] [<importsource> [<originalimportsource>]] [<importdestscount>] [<existpath>] [<aspath> <source>] { <ipnexthop> | <ipv6nexthop> } <nexthopmetric> { <neighbor> | <ipv6neighbor> } <neighborid> <origin> [<metric>] <localpref> <weight> [<aggregator> <aggregatoras> <atomicaggregate>] [<inlabel>] [<originflag>] [{ TABLE_community <community> }] [{ TABLE_extcommunity <extcommunity> }] [<originatorid> { TABLE_clusterlist <clusterlist> }] [<flappenalty> <dampenedtime> <flaps> <flaptime> <flapflags> <flapindex> <flaphalflife> <flapreuse> <flapsuppress> <flapmax>] [<con_type> <con_len> <con_rd> <con_ip>] [<psid_len> [<psid_lindx_len> <psid_lindx_flag> <psid_lindx>] [<psid_v6sid_len> <psid_v6sid>] [<psid_origsrgb_len> <psid_origsrgb_flag> <psid_origsrgb_base> <psid_origsrgb_end>]] [<remotenh> <remotenh_encap> <remotenh_vnid> <remotenh_mac>] [<pmsi>] [<evpn-esi>] [<link-state-attr> <link-state-attr-len>] [<mdt_grp_addr>] } } } [TABLE_advertisedto <advertisedto>] [TABLE_scheduledto <scheduledto>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
self-originated	Self originated routes
__readonly__	(Optional)
TABLE_vrf	(Optional)

vrf-name-out	(Optional)
TABLE_afi	(Optional)
afi	(Optional)
TABLE_safi	(Optional)
safi	(Optional)
af-name	(Optional)
table-version	(Optional)
router-id	(Optional)
TABLE_rd	(Optional)
rd_val	(Optional)
rd_vrf	(Optional)
rd_vniid	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
nonipprefix	(Optional)
totalpaths	(Optional)
bestpathnr	(Optional)
mpath	(Optional)
TABLE_advertisedto	(Optional)
advertisedto	(Optional)
TABLE_scheduledto	(Optional)
scheduledto	(Optional)
prefixversion	(Optional)
on-newlist	(Optional)
on-xmitlist	(Optional)
suppressed	(Optional)
needsresync	(Optional)
locked	(Optional)
export-on-newlist	(Optional)

export-on-xmitlist	(Optional)
locallabel	(Optional)
labelhldwstr	(Optional)
TABLE_path	(Optional)
pathnr	(Optional)
best	(Optional)
status	(Optional)
type	(Optional)
statuscode	(Optional)
bestcode	(Optional)
typecode	(Optional)
ipnexthop	(Optional)
neighbor	(Optional)
neighborid	(Optional)
metric	(Optional)
localpref	(Optional)
weight	(Optional)
importsource	(Optional)
originalimportsource	(Optional)
importdestscount	(Optional)
existpath	(Optional)
aspath	(Optional)
origin	(Optional)
source	(Optional)
policyincomplete	(Optional)
pathvalid	(Optional)
pathbest	(Optional)
pathdeleted	(Optional)
pathstaled	(Optional)

pathhistory	(Optional)
pathmultipath	(Optional)
pathovermaxaslimit	(Optional)
pathnolabeledrnh	(Optional)
nexthopmetric	(Optional)
aggregator	(Optional)
aggregatoras	(Optional)
atomicaggregate	(Optional)
inlabel	(Optional)
originflag	(Optional)
vpn	(Optional)
hold_down	(Optional)
outlabel	(Optional)
flappenalty	(Optional)
dampenedtime	(Optional)
flaps	(Optional)
flaptime	(Optional)
flapflags	(Optional)
flapindex	(Optional)
flaphalflife	(Optional)
flapreuse	(Optional)
flapsuppress	(Optional)
flapmax	(Optional)
con_type	(Optional)
con_len	(Optional)
con_rd	(Optional)
con_ip	(Optional)
mdt_grp_addr	(Optional)
evpn-esi	(Optional)

link-state-attr	(Optional)
link-state-attr-len	(Optional)
TABLE_community	(Optional)
community	(Optional)
TABLE_extcommunity	(Optional)
extcommunity	(Optional)
originatorid	(Optional)
TABLE_clusterlist	(Optional)
clusterlist	(Optional)
remotenh	(Optional)
remotenh_encap	(Optional)
remotenh_vnid	(Optional)
remotenh_mac	(Optional)
pmsi	(Optional)
psid_len	(Optional)
psid_lindx_len	(Optional)
psid_lindx_flag	(Optional)
psid_lindx	(Optional)
psid_v6sid_len	(Optional)
psid_origsrgb_len	(Optional)
psid_origsrgb_flag	(Optional)
psid_origsrgb_base	(Optional)
psid_origsrgb_end	(Optional)

Command Mode

- /exec

show bgp sessions

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] sessions [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ <totalpeers> <totalestablishedpeers> <localas> TABLE_vrf <vrf-name-out> <local-as> <vrfpeers> <vrfestablishedpeers> <router-id> [TABLE_neighbor <neighbor-id> <connectionsdropped> <remoteas> [<lastflap>] [<lastread>] [<lastwrite>] <state> <localport> <remoteport> <notificationssent> <notificationsreceived>]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
sessions	Display session information for all peers
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
local-as	(Optional)
totalpeers	(Optional)
totalestablishedpeers	(Optional)
router-id	(Optional)
localas	(Optional)
vrfpeers	(Optional)
vrfestablishedpeers	(Optional)
TABLE_neighbor	(Optional)
neighbor-id	(Optional)
connectionsdropped	(Optional)
remoteas	(Optional)
lastflap	(Optional)
lastread	(Optional)
lastwrite	(Optional)

state	(Optional)
localport	(Optional)
remoteport	(Optional)
notificationssent	(Optional)
notificationsreceived	(Optional)

Command Mode

- /exec

show bgp statistics

show bgp statistics [__readonly__ <msgsent> <msgrecvd> <bytesent> <byterecvd> <opensent> <openrecvd> <updatesent> <updaterecvd> <kasent> <karecvd> <notifsent> <notifrecvd> <rrefreshsent> <rrefreshrecvd> <capsent> <caprecvd>]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
statistics	BGP global statistics
__readonly__	(Optional)
msgsent	(Optional)
msgrecvd	(Optional)
bytesent	(Optional)
byterecvd	(Optional)
opensent	(Optional)
openrecvd	(Optional)
updatesent	(Optional)
updaterecvd	(Optional)
kasent	(Optional)
karecvd	(Optional)
notifsent	(Optional)
notifrecvd	(Optional)
rrefreshsent	(Optional)
rrefreshrecvd	(Optional)
capsent	(Optional)
caprecvd	(Optional)

Command Mode

- /exec

show bgp summary

show bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | all } summary [__readonly__ TABLE_vrf <vrf-name-out> [<vrf-id>] [<vrf-state>] [<vrf-state-rsn>] [<vrf-delete-pending>] [<vrf-evpn-mpls>] [<vrf-vni-id>] [<vrf-vni-id-valid>] [<vrf-topo-id>] [<vrf-encap-type>] [<vrf-vtep-ip>] [<vrf-vtep-virtual-ip>] [<vrf-vtep-vipr>] [<vrf-router-mac>] [<vrf-vip-router-mac>] [<vrf-vipr-router-mac>] [<vrf-router-id>] [<vrf-cfgd-id>] [<vrf-local-as>] [<vrf-confed-id>] [<vrf-cluster-id>] [<vrf-reconnect-interval>] [<vrf-peers>] [<vrf-pending-peers>] [<vrf-est-peers>] [<vrf-cfgd-max-as-limit>] [<vrf-max-as-limit>] [<vrf-rd-configured>] [<vrf-rd>] [<vrf-pending-rd>] [TABLE_af <af-id> [<af-name>] [<af-table-id>] [<af-state>] [<af-state-rsn>] [<af-num-peers>] [<af-num-active-peers>] [<af-peer-routes>] [<af-peer-paths>] [<af-peer-networks>] [<af-peer-aggregates>] [<af-export-rmap>] [<af-import-rmap>] [<af-retain-rt>] TABLE_saf <safi> [<af-name>] [<tableversion>] [<configuredpeers>] [<capablepeers>] [<totalnetworks>] [<totalpaths>] [<memoryused>] [<numberattrs>] [<bytesattrs>] [<numberpaths>] [<bytespaths>] [<numbercommunities>] [<bytescommunities>] [<numberclusterlist>] [<bytesclusterlist>] [<dampening>] [<historypaths>] [<dampenedpaths>] [<softreconfigrecvdpaths>] [<softreconfigidenticalpaths>] [<softreconfigcombopaths>] [<softreconfigfilteredrecvd>] [<softreconfigbytes>] [TABLE_neighbor <neighborid> [<neighborversion>] [<msgrecvd>] [<msgsent>] [<neighbortableversion>] [<inq>] [<outq>] [<neighboras>] [<time>] [<state>] [<prefixreceived>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional) VRF name
vrf-id	(Optional) VRF ID

vrf-state	(Optional) VRF State
vrf-state-rsn	(Optional) VRF State Reason
vrf-delete-pending	(Optional) VRF delete pending
vrf-evpn-mpls	(Optional) VRF EVPN L3 MPLS
vrf-vni-id	(Optional) VRF VNI ID
vrf-vni-id-valid	(Optional) VRF VNI ID validity
vrf-topo-id	(Optional) VRF Topo ID
vrf-encap-type	(Optional) VRF encapsulation type
vrf-vtep-ip	(Optional) VRF VTEP IP
vrf-vtep-virtual-ip	(Optional) VRF VTEP Virtual IP
vrf-vtep-vipr	(Optional) VRF VTEP Virtual IP for Re-origination
vrf-router-mac	(Optional) VRF Router MAC
vrf-vip-router-mac	(Optional) VRF VIP Router MAC
vrf-vipr-router-mac	(Optional) VRF VIPR Router MAC
vrf-router-id	(Optional) Router ID
vrf-cfgd-id	(Optional) Configured Router-ID
vrf-local-as	(Optional) Local AS
vrf-confed-id	(Optional) Cluster-ID
vrf-cluster-id	(Optional) Cluster-ID
vrf-reconnect-interval	(Optional) VRF reconnect interval
vrf-peers	(Optional) No. of configured peers
vrf-pending-peers	(Optional) No. of pending peers
vrf-est-peers	(Optional) No. of established peers
vrf-cfgd-max-as-limit	(Optional) Configured maxas-limit
vrf-max-as-limit	(Optional) Active maxas-limit
vrf-rd-configured	(Optional) VRF RD Configured
vrf-rd	(Optional) VRF RD
vrf-pending-rd	(Optional) VRF pending RD
TABLE_af	(Optional)

af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason
af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_saf	(Optional)
safi	(Optional)
af-name	(Optional)
tableversion	(Optional)
configuredpeers	(Optional)
capablepeers	(Optional)
totalnetworks	(Optional)
totalpaths	(Optional)
memoryused	(Optional)
numberattrs	(Optional)
bytesattrs	(Optional)
numberpaths	(Optional)
bytespaths	(Optional)
numbercommunities	(Optional)
bytescommunities	(Optional)

numberclusterlist	(Optional)
bytesclusterlist	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
softreconfigrecvdpaths	(Optional)
softreconfigidenticalpaths	(Optional)
softreconfigcombopaths	(Optional)
softreconfigfilteredrecvd	(Optional)
softreconfigbytes	(Optional)
TABLE_neighbor	(Optional)
neighborid	(Optional)
neighborversion	(Optional)
neighboras	(Optional)
msgrecvd	(Optional)
msgsent	(Optional)
neighbortableversion	(Optional)
inq	(Optional)
outq	(Optional)
time	(Optional)
state	(Optional)
prefixreceived	(Optional)

Command Mode

- /exec

show bgp summary

show bgp { ipv4 { unicast | multicast } | ipv6 { unicast | multicast } | ipv4 mdt | vpnv4 unicast | vpnv6 unicast | ipv6 labeled-unicast | link-state | l2vpn vpls | ipv4 mvpn | ipv6 mvpn | l2vpn evpn | ipv4 labeled-unicast | all } summary [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [__readonly__ TABLE_vrf <vrf-name-out> [<vrf-id>] [<vrf-state>] [<vrf-state-rsn>] [<vrf-delete-pending>] [<vrf-evpn-mpls>] [<vrf-vni-id>] [<vrf-vni-id-valid>] [<vrf-topo-id>] [<vrf-encap-type>] [<vrf-vtep-ip>] [<vrf-vtep-virtual-ip>] [<vrf-vtep-vipr>] [<vrf-router-mac>] [<vrf-vip-router-mac>] [<vrf-vipr-router-mac>] [<vrf-router-id>] [<vrf-cfgd-id>] [<vrf-local-as>] [<vrf-confed-id>] [<vrf-cluster-id>] [<vrf-reconnect-interval>] [<vrf-peers>] [<vrf-pending-peers>] [<vrf-est-peers>] [<vrf-cfgd-max-as-limit>] [<vrf-max-as-limit>] [<vrf-rd-configured>] [<vrf-rd>] [<vrf-pending-rd>] [TABLE_af <af-id> [<af-name>] [<af-table-id>] [<af-state>] [<af-state-rsn>] [<af-num-peers>] [<af-num-active-peers>] [<af-peer-routes>] [<af-peer-paths>] [<af-peer-networks>] [<af-peer-aggregates>] [<af-export-rmap>] [<af-import-rmap>] [<af-retain-rt>] TABLE_saf <safi> [<af-name>] [<tableversion>] [<configuredpeers>] [<capablepeers>] [<totalnetworks>] [<totalpaths>] [<memoryused>] [<numberattrs>] [<bytesattrs>] [<numberpaths>] [<bytespaths>] [<numbercommunities>] [<bytescommunities>] [<numberclusterlist>] [<bytesclusterlist>] [<dampening>] [<historypaths>] [<dampenedpaths>] [<softreconfigrecvdpaths>] [<softreconfigidenticalpaths>] [<softreconfigcombopaths>] [<softreconfigfilteredrecvd>] [<softreconfigbytes>] [TABLE_neighbor <neighborid> [<neighborversion>] [<msgrecvd>] [<msgsent>] [<neighbortableversion>] [<inq>] [<outq>] [<neighboras>] [<time>] [<state>] [<prefixreceived>]]]]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	Display BGP information for IPv4 address family
vpnv4	Display BGP information for VPNv4 address family
vpnv6	Display BGP information for VPNv6 address family
ipv6	Display BGP information for IPv6 address family
unicast	Display BGP information for unicast address family
multicast	Display BGP information for multicast address family
labeled-unicast	Display BGP information for labeled-unicast address family
mdt	Display BGP information for multicast distribution tree
link-state	Display BGP information for link-state address family

l2vpn	Display BGP information for L2VPN address family
vpls	Display BGP information for L2VPN VPLS address family
mvpn	Display BGP information for MVPN address family
evpn	Display BGP information for L2VPN EVPN address family
all	Display BGP information for all address families
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional) VRF name
vrf-id	(Optional) VRF ID
vrf-state	(Optional) VRF State
vrf-state-rsn	(Optional) VRF State Reason
vrf-delete-pending	(Optional) VRF delete pending
vrf-evpn-mpls	(Optional) VRF EVPN L3 MPLS
vrf-vni-id	(Optional) VRF VNI ID
vrf-vni-id-valid	(Optional) VRF VNI ID validity
vrf-topo-id	(Optional) VRF Topo ID
vrf-encap-type	(Optional) VRF encapsulation type
vrf-vtep-ip	(Optional) VRF VTEP IP
vrf-vtep-virtual-ip	(Optional) VRF VTEP Virtual IP
vrf-vtep-vipr	(Optional) VRF VTEP Virtual IP for Re-origination
vrf-router-mac	(Optional) VRF Router MAC
vrf-vip-router-mac	(Optional) VRF VIP Router MAC
vrf-vipr-router-mac	(Optional) VRF VIPR Router MAC
vrf-router-id	(Optional) Router ID
vrf-cfgd-id	(Optional) Configured Router-ID
vrf-local-as	(Optional) Local AS
vrf-confed-id	(Optional) Cluster-ID
vrf-cluster-id	(Optional) Cluster-ID
vrf-reconnect-interval	(Optional) VRF reconnect interval

vrf-peers	(Optional) No. of configured peers
vrf-pending-peers	(Optional) No. of pending peers
vrf-est-peers	(Optional) No. of established peers
vrf-cfgd-max-as-limit	(Optional) Configured maxas-limit
vrf-max-as-limit	(Optional) Active maxas-limit
vrf-rd-configured	(Optional) VRF RD Configured
vrf-rd	(Optional) VRF RD
vrf-pending-rd	(Optional) VRF pending RD
TABLE_af	(Optional)
af-id	(Optional) AF ID
af-table-id	(Optional) AF table
af-name	(Optional) AF table name
af-state	(Optional) AF table state
af-state-rsn	(Optional) AF table state reason
af-num-peers	(Optional) No. of peers
af-num-active-peers	(Optional) No. of active peers
af-peer-routes	(Optional) No. of peer routes
af-peer-paths	(Optional) No. of peer paths
af-peer-networks	(Optional) No. of peer networks
af-peer-aggregates	(Optional) No. of aggregates
af-export-rmap	(Optional) Export route-map
af-import-rmap	(Optional) Import route-map
af-retain-rt	(Optional) Retain RT
TABLE_saf	(Optional)
safi	(Optional)
af-name	(Optional)
tableversion	(Optional)
configuredpeers	(Optional)
capablepeers	(Optional)

totalnetworks	(Optional)
totalpaths	(Optional)
memoryused	(Optional)
numberattrs	(Optional)
bytesattrs	(Optional)
numberpaths	(Optional)
bytespaths	(Optional)
numbercommunities	(Optional)
bytescommunities	(Optional)
numberclusterlist	(Optional)
bytesclusterlist	(Optional)
dampening	(Optional)
historypaths	(Optional)
dampenedpaths	(Optional)
softreconfigrecvdpaths	(Optional)
softreconfigidenticalpaths	(Optional)
softreconfigcombopaths	(Optional)
softreconfigfilteredrecvd	(Optional)
softreconfigbytes	(Optional)
TABLE_neighbor	(Optional)
neighborid	(Optional)
neighborversion	(Optional)
neighboras	(Optional)
msgrecvd	(Optional)
msgsent	(Optional)
neighbortableversion	(Optional)
inq	(Optional)
outq	(Optional)
time	(Optional)

state	(Optional)
prefixreceived	(Optional)

Command Mode

- /exec

show boot

show boot [__readonly__ { [TABLE_bootvar_show <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
__readonly__	(Optional)
TABLE_bootvar_show	(Optional) Bootvar table
Str1	(Optional)

Command Mode

- /exec

show boot auto-copy

show boot auto-copy [__readonly__ { [TABLE_auto_copy <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autocopy is turned on
__readonly__	(Optional)
TABLE_auto_copy	(Optional) Auto copy table
Str1	(Optional)

Command Mode

- /exec

show boot auto-copy list

show boot auto-copy list [__readonly__ { [TABLE_auto_copy_list <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
auto-copy	See if autocopy is turned on
list	Show the list of files to be auto-copied
__readonly__	(Optional)
TABLE_auto_copy_list	(Optional) Auto copy table
Str1	(Optional)

Command Mode

- /exec

show boot autocopy-status

show boot autocopy-status

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
autocopy-status	Display the standby autocopy status

Command Mode

- /exec

show boot current

show boot current [__readonly__ { [TABLE_bootvar_current <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
current	Show Current Bootvar Variables
__readonly__	(Optional)
TABLE_bootvar_current	(Optional) Bootvar current table
Str1	(Optional)

Command Mode

- /exec

show boot mode

show boot mode [__readonly__ { [TABLE_mode <Str1>] }]

Syntax Description

show	Show boot mode information
boot	Show boot mode
mode	See if lxc boot is turned on
__readonly__	(Optional)
TABLE_mode	(Optional) boot mode table
Str1	(Optional)

Command Mode

- /exec

show boot order

show boot order [__readonly__ { [TABLE_bootvar_order <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
order	Show Boot Order
__readonly__	(Optional)
TABLE_bootvar_order	(Optional) Boot order table
Str1	(Optional)

Command Mode

- /exec

show boot sup-1

show boot sup-1 [__readonly__ { [TABLE_show_sup1 <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
sup-1	Enter sup-1 to show the 1st sup config
__readonly__	(Optional)
TABLE_show_sup1	(Optional) Show Sup-1 bootvar table
Str1	(Optional)

Command Mode

- /exec

show boot sup-2

show boot sup-2 [__readonly__ { [TABLE_show_sup2 <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
sup-2	Enter sup-2 to show the 2nd sup config
__readonly__	(Optional)
TABLE_show_sup2	(Optional) Show Sup-22 bootvar table
Str1	(Optional)

Command Mode

- /exec

show boot timings

show boot timings

Syntax Description

show	Show running system information
boot	show boot information
timings	show boot timings

Command Mode

- /exec

show boot variables

show boot variables [__readonly__ { [TABLE_boot_vars <Str1>] }]

Syntax Description

show	Show running system information
boot	Show Bootvar Variables
variables	Display the list of boot variables
__readonly__	(Optional)
TABLE_boot_vars	(Optional) Show boot variables table
Str1	(Optional)

Command Mode

- /exec

show bootmode

show bootmode [module <module>] [__readonly__ { TABLE_bootmode_info <mod_num> <bootmode> }]

Syntax Description

show	Show running system information
bootmode	show bootmode of the all linecard modules
module	(Optional) show bootmode of a specific linecard module
module	(Optional) please enter module number
__readonly__	(Optional)
TABLE_bootmode_info	(Optional)
mod_num	(Optional)
bootmode	(Optional)

Command Mode

- /exec

show buffers ip

show buffers ip [{ [all <count>] [free <count>] }]

Syntax Description

show	Show running system information
buffers	Display detailed buffer statistics
ip	Display IP buffer information
all	(Optional) Dump buffers from ALL list
free	(Optional) Dump buffers from FREE list
count	(Optional) Number of buffers to dump

Command Mode

- /exec

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show callhome

show callhome [__readonly__ <output_state> <info> <per_name> [<name>] <email_info> [<email_conf>] <ph_info> [<ph_conf>] <str_addr> [<str_conf>] <site_id> [<site_id_conf>] <cust_id> [<cus_id_conf>] <contr_id> [<contr_id_conf>] <swi_pri> [<swi_pri_value>] <dup_mess> <per_inv> <per_time> <per_timeofday> <dist>]

Syntax Description

show	Show running system information
callhome	Show callhome information
__readonly__	(Optional)
output_state	(Optional)
info	(Optional)
per_name	(Optional)
name	(Optional)
email_info	(Optional)
email_conf	(Optional)
ph_info	(Optional)
ph_conf	(Optional)
str_addr	(Optional)
str_conf	(Optional)
site_id	(Optional)
site_id_conf	(Optional)
cust_id	(Optional)
cus_id_conf	(Optional)
contr_id	(Optional)
contr_id_conf	(Optional)
swi_pri	(Optional)
swi_pri_value	(Optional)
dup_mess	(Optional)
per_inv	(Optional)

per_time	(Optional)
per_timeofday	(Optional)
dist	(Optional)

Command Mode

- /exec

show callhome destination-profile

show callhome destination-profile [__readonly__ { TABLE_call_info [<dest_full_info>] [<dest_short_info>] [<dest_xml_info>] [<dest_def_info>] <max_mess_size> <mess_format> <mess_level> <trans_method> <email_info> [<email_conf>] <url_info> [<url_conf>] <alert_groups> [<alert_conf>] }]

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
__readonly__	(Optional)
TABLE_call_info	(Optional)
dest_full_info	(Optional)
dest_short_info	(Optional)
dest_xml_info	(Optional)
dest_def_info	(Optional)
max_mess_size	(Optional)
mess_format	(Optional)
mess_level	(Optional)
trans_method	(Optional)
email_info	(Optional)
email_conf	(Optional)
url_info	(Optional)
url_conf	(Optional)
alert_groups	(Optional)
alert_conf	(Optional)

Command Mode

- /exec

show callhome destination-profile profile

show callhome destination-profile profile <s0> [__readonly__ <user_txt_info> <max_mess_size> <mess_format> <mess_level> <trans_method> <email_info> [TABLE_email [<email_conf>]] <url_info> [TABLE_url [<url_conf>]] <alert_groups> [TABLE_alert [<alert_conf>]]]

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
s0	Show information for user defined destination profile
__readonly__	(Optional)
user_txt_info	(Optional)
max_mess_size	(Optional)
mess_format	(Optional)
mess_level	(Optional)
trans_method	(Optional)
email_info	(Optional)
TABLE_email	(Optional)
email_conf	(Optional)
url_info	(Optional)
TABLE_url	(Optional)
url_conf	(Optional)
alert_groups	(Optional)
TABLE_alert	(Optional)
alert_conf	(Optional)

Command Mode

- /exec

show callhome destination-profile profile CiscoTAC-1

show callhome destination-profile profile CiscoTAC-1 [__readonly__ <tac_xml_info> <max_mess_size> <mess_level> <trans_method> <email_info> [<email_conf>] <url_info> [<url_conf>] <alert_groups> [<alert_conf>]]

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
CiscoTAC-1	Show information for CiscoTAC-1 destination profile
__readonly__	(Optional)
tac_xml_info	(Optional)
max_mess_size	(Optional)
mess_level	(Optional)
trans_method	(Optional)
email_info	(Optional)
email_conf	(Optional)
url_info	(Optional)
url_conf	(Optional)
alert_groups	(Optional)
alert_conf	(Optional)

Command Mode

- /exec

show callhome destination-profile profile full-txt-destination

show callhome destination-profile profile full-txt-destination [__readonly__ <full_txt_info> <max_mess_size> <mess_level> <trans_method> <email_info> [<email_conf>] <url_info> [<url_conf>] <alert_groups> [<alert_conf>]]

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
full-txt-destination	Show information for full-txt-destination destination profile
__readonly__	(Optional)
full_txt_info	(Optional)
max_mess_size	(Optional)
mess_level	(Optional)
trans_method	(Optional)
email_info	(Optional)
email_conf	(Optional)
url_info	(Optional)
url_conf	(Optional)
alert_groups	(Optional)
alert_conf	(Optional)

Command Mode

- /exec

show callhome destination-profile profile short-txt-destination

show callhome destination-profile profile short-txt-destination [__readonly__ <shrt_txt_info> <max_mess_size> <mess_level> <trans_method> <email_info> [<email_conf>] <url_info> [<url_conf>] <alert_groups> [<alert_conf>]]

Syntax Description

show	Show running system information
callhome	Show callhome information
destination-profile	Show callhome destination profile information
profile	Specify the destination profile
short-txt-destination	Show information for short-txt-destination destination profile
__readonly__	(Optional)
shrt_txt_info	(Optional)
max_mess_size	(Optional)
mess_level	(Optional)
trans_method	(Optional)
email_info	(Optional)
email_conf	(Optional)
url_info	(Optional)
url_conf	(Optional)
alert_groups	(Optional)
alert_conf	(Optional)

Command Mode

- /exec

show callhome transport-email

show callhome transport-email [__readonly__ { <from_email> } [<reply_to_email>] [<return_receipt_addr>] { <smtp_server> } [<smtp_server_port>]]

Syntax Description

__readonly__	(Optional)
show	Show running system information
callhome	Show callhome information
transport-email	Show callhome email transport configuration
from_email	(Optional)
reply_to_email	(Optional)
return_receipt_addr	(Optional)
smtp_server	(Optional)
smtp_server_port	(Optional)

Command Mode

- /exec

show callhome transport

show callhome transport [__readonly__ <vrf> <from_email> [<rep_email>] [<ret_email>] [<smtp_ser>] [<smtp_ser_port>] [<smtp_ser_vrf>] [<smtp_ser_prior>] [<smtp_ser_do>] [<smtp_ser_port_do>] [<smtp_ser_vrf_do>] [<smtp_ser_prior_do>] [<smtp_ser_got>] [<smtp_ser_port_got>] [<smtp_ser_vrf_got>] [<smtp_ser_prior_got>] <http_prox> <http_port> <http_state>]

Syntax Description

show	Show running system information
callhome	Show callhome information
transport	Show callhome transport configuration (email and http)
__readonly__	(Optional)
vrf	(Optional)
from_email	(Optional)
rep_email	(Optional)
ret_email	(Optional)
smtp_ser	(Optional)
smtp_ser_port	(Optional)
smtp_ser_vrf	(Optional)
smtp_ser_prior	(Optional)
smtp_ser_do	(Optional)
smtp_ser_port_do	(Optional)
smtp_ser_vrf_do	(Optional)
smtp_ser_prior_do	(Optional)
smtp_ser_got	(Optional)
smtp_ser_port_got	(Optional)
smtp_ser_vrf_got	(Optional)
smtp_ser_prior_got	(Optional)
http_prox	(Optional)
http_port	(Optional)
http_state	(Optional)

Command Mode

- /exec

show callhome user-def-cmds

show callhome user-def-cmds [__readonly__ { <user_configured_cmds> } [{ TABLE_user_def_cmds <alert_group> <user_defined_cmds> }]]

Syntax Description

show	Show running system information
callhome	Show callhome information
user-def-cmds	Show the cli commands configured for each alert group
__readonly__	(Optional)
user_configured_cmds	(Optional) List of user configured commands
TABLE_user_def_cmds	(Optional)
alert_group	(Optional)
user_defined_cmds	(Optional)

Command Mode

- /exec

show catena

show catena <instance-name> [brief] [__readonly__ <instance_name> <state> { TABLE_chain <chain> [TABLE_rule <seqno> <aclname> <whichconfig> [<vlan_group>] [<ingress_port>] [<egress_port>] [<egress_device>] [<mode>] [<l2_lb>]] }]

Syntax Description

show	Show running system information
catena	catena
instance-name	instance name
brief	(Optional) brief
__readonly__	(Optional) Read Only
instance_name	(Optional) instance_name
state	(Optional) status
TABLE_chain	(Optional)
chain	(Optional) chain
TABLE_rule	(Optional)
seqno	(Optional) seqno
aclname	(Optional) aclname
whichconfig	(Optional) whichconfig
vlan_group	(Optional) vlangrp
ingress_port	(Optional) ingress_portgrp
egress_port	(Optional) egress_portgrp
egress_device	(Optional) egress_device
mode	(Optional) mode
l2_lb	(Optional) L2 Load Balance

Command Mode

- /exec

show catena analytics

show catena analytics { per-acl { per-node | per-device-group } | per-catena-instance <instance-name> [per-chain [<chain-id>]] } [__readonly__ <instance_name> <per_node> <per_node_total> <per_node_total_val> <chain_id> <per_device_group> <per_device_group_hdr> <per_device_group_val> <stats_counter>]

Syntax Description

show	Show running system information
catena	catena
analytics	show analytics for catena
per-acl	per ACL
per-node	per Node
per-device-group	per Device group
per-catena-instance	per Catena Instance
instance-name	Name of Catena Instance
per-chain	(Optional) per Chain
chain-id	(Optional) chain ID
__readonly__	(Optional) Read Only
instance_name	(Optional) Catena Instance name
chain_id	(Optional) Chain ID
per_node	(Optional) per Node
per_node_total	(Optional) per Node total
per_node_total_val	(Optional) per Node total val
per_device_group	(Optional) per Device Group
per_device_group_hdr	(Optional) per Device Group Header
per_device_group_val	(Optional) per Device Group Val
stats_counter	(Optional) stats_counter

Command Mode

- /exec

show cdp

show cdp { entry { all1 | name <s0> } } [__readonly__ TABLE_cdp_entry_all <device_id> [<sysname>] [{ <v4addr> | <v6addr> } +] <platform_id> <capability> + <intf_id> <port_id> <ttl> <version> <version_no> [<nativevlan>] [<vtpname>] [<duplexmode>] [<syslocation>] [{ <v4mgmtaddr> | <v6mgmtaddr> } +]]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
entry	Show CDP entries in database
all1	Show all CDP entries in database
name	Show a specific CDP entry matching a name
s0	
__readonly__	(Optional) Read only
TABLE_cdp_entry_all	(Optional) output of show cdp entry all
device_id	(Optional) Device Identifier
sysname	(Optional) System Name
v4addr	(Optional) Interface IP V4 Address
v6addr	(Optional) Interface IP V6 Address
platform_id	(Optional) Platform Id
capability	(Optional) Capability
intf_id	(Optional) Interface Id
port_id	(Optional) Port Identifier
ttl	(Optional) Hold Time
version	(Optional) Software Version
version_no	(Optional) CDP version number
nativevlan	(Optional) NativeVLAN
vtpname	(Optional) Vtp Management Domain Name
duplexmode	(Optional) Duplex Mode
syslocation	(Optional) System Location

v4mgmtaddr	(Optional) IP V4 Mgmt Address
v6mgmtaddr	(Optional) IP V6 Mgmt Address

Command Mode

- /exec

show cdp all

show cdp { all | interface <if0> } [__readonly__ TABLE_cdp_all <intf_id> <port_up> [<cdp_global_enabled>] <cdp_intf_enabled> [<oper_mode>] <refresh_time> <ttl>]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
all	Show all interfaces in CDP database
interface	Show CDP parameters for an interface
if0	
__readonly__	(Optional) Read only
TABLE_cdp_all	(Optional) output of show cdp all
intf_id	(Optional) Interface Id
port_up	(Optional) Port status
cdp_global_enabled	(Optional) CDP global status
cdp_intf_enabled	(Optional) CDP interface status
oper_mode	(Optional) CDP operation mode
refresh_time	(Optional) Refresh Time
ttl	(Optional) Hold Time

Command Mode

- /exec

show cdp global

show cdp global [__readonly__ <cdp_global_enabled> <refresh_time> <ttl> <v2_advertisement> <deviceid_format>]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
global	Show CDP global parameters
__readonly__	(Optional) Read only
cdp_global_enabled	(Optional) CDP global status
refresh_time	(Optional) Refresh Time
ttl	(Optional) Hold Time
v2_advertisement	(Optional) Show v2 advertisement
deviceid_format	(Optional) Show deviceId Format

Command Mode

- /exec

show cdp neighbors

show cdp neighbors [interface <if>] [__readonly__ { TABLE_cdp_neighbor_brief_info <ifindex> <device_id> <intf_id> <ttl> <capability> + <platform_id> <port_id> } { <neigh_count> }]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
interface	(Optional) Show CDP neighbors on an interface
if	(Optional) Specify Interface
__readonly__	(Optional) Read only
TABLE_cdp_neighbor_brief_info	(Optional) output of show cdp neighbor - in breif
ifindex	(Optional) Interface index
device_id	(Optional) System Name (or) Device Identifier
intf_id	(Optional) Interface Id
port_id	(Optional) Port Identifier
platform_id	(Optional) Platform Id
ttl	(Optional) Hold Time
capability	(Optional) Capability
neigh_count	(Optional) Neighbor Count

Command Mode

- /exec

show cdp neighbors detail

show cdp neighbors [interface <if>] detail [__readonly__ TABLE_cdp_neighbor_detail_info <ifindex> <device_id> [<sysname>] [<vtpname>] <numaddr> [{ <v4addr> | <v6addr> } +] <platform_id> <capability> + <intf_id> <port_id> <ttl> <version> <version_no> [<nativevlan>] [<duplexmode>] [<mtu>] [<syslocation>] [<num_mgmtaddr> [{ <v4mgmtaddr> | <v6mgmtaddr> } +]]]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
detail	Show CDP neighbors detailed
interface	(Optional) Show CDP neighbors on an interface
if	(Optional) Specify Interface
__readonly__	(Optional) Read only
TABLE_cdp_neighbor_detail_info	(Optional) output of show cdp neighbor detail
ifindex	(Optional) Interface index
device_id	(Optional) Device Identifier
sysname	(Optional) System Name
vtpname	(Optional) Vtp Management Domain Name
numaddr	(Optional) No of IP Address configured
v4addr	(Optional) Interface IP V4 Address
v6addr	(Optional) Interface IP V6 Address
platform_id	(Optional) Platform Id
capability	(Optional) Capability
intf_id	(Optional) Interface Id
port_id	(Optional) Port Identifier
ttl	(Optional) Hold Time
version	(Optional) Software Version
version_no	(Optional) CDP version number
nativevlan	(Optional) NativeVLAN

duplexmode	(Optional) Duplex Mode
mtu	(Optional) MTU
syslocation	(Optional) System Location
num_mgmtaddr	(Optional) No of Mgmt Address configured
v4mgmtaddr	(Optional) IP V4 Mgmt Address
v6mgmtaddr	(Optional) IP V6 Mgmt Address

Command Mode

- /exec

show cdp traffic interface2

show cdp traffic interface2 <if2> [__readonly__ <intf_id> <total_input_packets> <valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors>]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
traffic	Show CDP traffic statistics
interface2	Show CDP traffic statistics on an interface
if2	
__readonly__	(Optional) Read only
intf_id	(Optional) Interface Id
total_input_packets	(Optional) Total input cdp packets
valid_cdp_packets	(Optional) Total valid cdp packets
input_v1_packets	(Optional) Input vesrion1 packets
input_v2_packets	(Optional) Input vesrion2 packets
invalid_cdp_packets	(Optional) Invalid cdp packets
unsupported_version	(Optional) Packets having unsupported version
checksum_errors	(Optional) Packets having checksum errors
malformed_packets	(Optional) Total malformed packets
total_output_packets	(Optional) Total output packets
output_v1_packets	(Optional) Output vesrion1 packets
output_v2_packets	(Optional) Output vesrion2 packets
send_errors	(Optional) Number of send errors

Command Mode

- /exec

show cfs application

show cfs application [{ name <cfs-dyn-app-name> | sap <i0> }] [__readonly__ [{ enabled <enabled> } { timeout <timeout> } { merge_capable <merge_capable> } { scope <scope> } { region <region> }] [{ TABLE_apps <app_name> <app_enabled> <app_scope> }]]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
application	Show locally registered applications
name	(Optional) Show local application information by name
cfs-dyn-app-name	(Optional) Registered name of the local application
sap	(Optional) Show local application information by sap
i0	(Optional) Registered sap of the local application
__readonly__	(Optional)
enabled	(Optional) whether application is CFS enabled
enabled	(Optional) whether application is CFS enabled
timeout	(Optional) timeout
timeout	(Optional) timeout
merge_capable	(Optional) merge_capable
merge_capable	(Optional) merge_capable
scope	(Optional) scope
scope	(Optional) scope
region	(Optional) region
region	(Optional) region
TABLE_apps	(Optional) all cfs applications
app_name	(Optional) name of cfs application
app_enabled	(Optional) whether application is cfs enabled
app_scope	(Optional) distribution scope of cfs application

Command Mode

- /exec

show cfs lock

show cfs lock [{ name <cfs-dyn-app-name> | sap <i1> }] [__readonly__ [{ TABLE_locks [<app_name>] <app_scope> [<vsan>] [<domain>] [<wwn>] <ip_addr> <u_name> <u_type> [<hostname>] }]]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
lock	Show state of application's logical/physical locks
name	(Optional) Application name for which the lock status is required
cfs-dyn-app-name	(Optional) Registered name of the local application
sap	(Optional) Application sap for which the lock status is required
i1	(Optional) Application SAP
__readonly__	(Optional)
TABLE_locks	(Optional) table of all CFS locks
app_name	(Optional) name of CFS application
app_scope	(Optional) scope of CFS application
vsan	(Optional) vsan
domain	(Optional) domain
wwn	(Optional) wwn of switch holding CFS lock
ip_addr	(Optional) ip address of switch holding CFS lock
u_name	(Optional) user name
u_type	(Optional) user type
hostname	(Optional) hostname

Command Mode

- /exec

show cfs merge status

show cfs merge status [{ name <cfs-dyn-app-name> [detail] | sap <i1> [detail2] }] [__readonly__ [{ scope <scope> }] [{ merge_status <status> }] [{ failure_reason <reason> }] [{ TABLE_all_merge <app_name> <scope> <vsan> <status> }] [{ TABLE_local_fabric [<domain>] <wwn> <ip_addr> <app_scope> [<master>] [<hostname>] }] [{ TABLE_remote_fabric [<domain>] <wwn> <ip_addr> <app_scope> [<master>] [<hostname>] }] [{ TABLE_remaining_fabric [<domain>] <wwn> <ip_addr> [<hostname>] }]]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
merge	Show cfs merge information
status	Show status of merge
name	(Optional) Show merge status by name
cfs-dyn-app-name	(Optional) Registered name of the local application
detail	(Optional) Show merge status by name in detail
sap	(Optional) Show merge status by sap
i1	(Optional) Application sap
detail2	(Optional) Show merge status by sap in detail
__readonly__	(Optional)
scope	(Optional) distribution scope of application
scope	(Optional) scope
merge_status	(Optional) status
status	(Optional) status
failure_reason	(Optional) reason
reason	(Optional) reason
TABLE_all_merge	(Optional) all
app_name	(Optional) name
scope	(Optional) scope
vsan	(Optional) vsan
status	(Optional) status

TABLE_local_fabric	(Optional) local fabric
domain	(Optional) domain
wwn	(Optional) wwn
ip_addr	(Optional) ip_addr
app_scope	(Optional) scope
master	(Optional) master
hostname	(Optional) hname
TABLE_remote_fabric	(Optional) remote fabric
domain	(Optional) domain
wwn	(Optional) wwn
ip_addr	(Optional) ip_addr
app_scope	(Optional) scope
master	(Optional) master
hostname	(Optional) hname
TABLE_remaining_fabric	(Optional) remote fabric
domain	(Optional) domain
wwn	(Optional) wwn
ip_addr	(Optional) ip_addr
hostname	(Optional) hname

Command Mode

- /exec

show cfs peers

show cfs peers [{ name <cfs-dyn-app-name> | sap <i1> }] [__readonly__ [{ scope <scope> }] [{ TABLE_peers <wwn> <ip_addr> [<local>] [<hostname>] [<domain>] }]]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
peers	Show all the peers in the physical fabric
name	(Optional) Show peers for given application name
cfs-dyn-app-name	(Optional) Registered name of the local application
sap	(Optional) Show peers for given application sap
i1	(Optional) Application sap
__readonly__	(Optional)
scope	(Optional) scope
scope	(Optional) scope
TABLE_peers	(Optional) all peers
wwn	(Optional) wwn
ip_addr	(Optional) ip_addr
local	(Optional) local
hostname	(Optional) hname
domain	(Optional) domain

Command Mode

- /exec

show cfs regions

show cfs regions [{ brief [region <i0>] | name <cfs-dyn-app-name> | region1 <i1> }] [__readonly__ [{ region <id> }] [{ application <name> }] [{ scope <scope> }] [{ TABLE_PEERS <wwn> <ip_addr> <local> [<hostname>] [<domain>] }] [{ TABLE_switches [<wwn>] [<ip_addr>] <region> <app_name> <enabled> [<scope>] }]]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
regions	Show all the applications with peers and region information
brief	(Optional) Show all configured regions and applications(no peers)
region	(Optional) Show all configured applications(no peers)
i0	(Optional) Region Id
name	(Optional) Show peers and region information for a given application
cfs-dyn-app-name	(Optional) Registered name of the local application
region1	(Optional) Show all configured applications with peers
i1	(Optional) Region Id
__readonly__	(Optional)
region	(Optional) region
id	(Optional) id
application	(Optional) app
name	(Optional) name
scope	(Optional) scope
scope	(Optional) scope
TABLE_PEERS	(Optional) all region peers
wwn	(Optional) wwn
ip_addr	(Optional) ip_address
local	(Optional) local
hostname	(Optional) hname
domain	(Optional) domain

TABLE_switches	(Optional) all switches in region
wwn	(Optional) wwn
ip_addr	(Optional) ip_addr
region	(Optional) region
app_name	(Optional) name
enabled	(Optional) enabled
scope	(Optional) scope

Command Mode

- /exec

show cfs remote-app vsan domain

show cfs remote-app vsan <i0> domain <i1>

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
remote-app	Show remote cfs registered applications
vsan	Show remote applications given a vsan
i0	VSAN id
domain	Show remote applications
i1	Enter the domain id

Command Mode

- /exec

show cfs remote-switches vsan

show cfs remote-switches vsan <i0> [__readonly__ { local <domain> } [{ TABLE_switches <remote_domain> <wwn> }]]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
remote-switches	Show remote switches on a given vsan
vsan	Show remote switches on a given vsan
i0	VSAN id
__readonly__	(Optional)
local	(Optional) local
domain	(Optional) domain
TABLE_switches	(Optional) all remote switches
remote_domain	(Optional) rdomain
wwn	(Optional) wwn

Command Mode

- /exec

show cfs static peers

show cfs static peers

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
static	Show all static peers with status
peers	Show all configured static peers with status

Command Mode

- /exec

show cfs status

show cfs status [__readonly__ { distribution <distribution> } { distribution_over_ip <dist_over_ip> } { ipv4_multicast_address <ipv4_mcast_addr> } { ipv6_multicast_address <ipv6_mcast_addr> } { distribution_over_ethernet <dist_over_eth> }]

Syntax Description

show	Show running system information
cfs	CFS Show Command handler
status	Show current status of CFS
__readonly__	(Optional)
distribution	(Optional) runtime status of CFS distribution
distribution	(Optional) operational status of CFS distribution
distribution_over_ip	(Optional) runtime information of CFSoIP
dist_over_ip	(Optional) operational status of CFS overIP
ipv4_multicast_address	(Optional) ipv4 multicast address
ipv4_mcast_addr	(Optional) ipv4 multicast address
ipv6_multicast_address	(Optional) ipv6 multicast address
ipv6_mcast_addr	(Optional) ipv6 multicast address
distribution_over_ethernet	(Optional) runtime status if CFSoE
dist_over_eth	(Optional) operations status of CFSoE

Command Mode

- /exec

show chassis-family

show chassis-family

Syntax Description

show	Show running system information
chassis-family	Show chassis family type

Command Mode

- /exec

show checkpoint

show checkpoint <chkpoint_name> [all] [__readonly__ TABLE_checkpoint_details <name1> <checkpoint_config> +]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoint contents
chkpoint_name	Checkpoint name
all	(Optional) Show default config
__readonly__	(Optional) Read only
TABLE_checkpoint_details	(Optional) Checkpoint details
name1	(Optional) Checkpoint name
checkpoint_config	(Optional) Configuration entry from checkpoint

Command Mode

- /exec

show checkpoint

show checkpoint [all] [user | system] [__readonly__ TABLE_checkpoint_details <name> <checkpoint_config> +]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoints
all	(Optional) Show default config
user	(Optional) Show only user configuration rollback checkpoints
system	(Optional) Show only system configuration rollback checkpoints
__readonly__	(Optional) Read only
TABLE_checkpoint_details	(Optional) checkpoint details
name	(Optional) Checkpoint name
checkpoint_config	(Optional) Configuration entry from checkpoint

Command Mode

- /exec

show checkpoint summary

show checkpoint summary [user | system] [__readonly__ TABLE_checkpoint_header_info <name> <user_name> <timestamp> <file_path> <chkpt_type> <description>]

Syntax Description

show	Show running system information
checkpoint	Show configuration rollback checkpoints
summary	Show configuration rollback checkpoints summary
user	(Optional) Show only user configuration rollback checkpoints summary
system	(Optional) Show only system configuration rollback checkpoints summary
__readonly__	(Optional) Read only
TABLE_checkpoint_header_info	(Optional) Checkpoint header info
user_name	(Optional) Username
name	(Optional) Checkpoint name
file_path	(Optional) Checkpoint name
timestamp	(Optional) Timestamp of checkpoint creation
chkpt_type	(Optional) Type of checkpoint either user or system
description	(Optional) Checkpoint description

Command Mode

- /exec

show class-map

show class-map [{ [type qos] [<cmap-name> | xxx <color-map-enum-name>] } | { type queuing [yyy <cmap-enum-name> | zzz <default-cmap-enum-name> | <cmap-dce-name> | <cmap-name-hque>] }] [__readonly__ { [<display-all>] [TABLE_cmap <cmap-key> [<id>] <xqos-or-q> [<any_or_all>] <cmap-name-out> [<desc>] [TABLE_match <match-key> [<not>] [<dscp-list>] [<precedence-list>] [<cos-list>] [<qos-group-list>] [<discard-class-list>] [<vlan-list>] [<match-cmap-name>] [<match-acl-name>] [<note-string>] [<pkt-len-list>] [<rtp-port-list>] [<roce-port-list>] [<prot>] [<input-iface-list>] [<exp-list>] [<cl-def>]]] }]

Syntax Description

xxx	(Optional) xxx
yyy	(Optional) yyy
zzz	(Optional) zzz
show	Show running system information
class-map	Show class maps
type	(Optional) Type of the class-map
qos	(Optional) type qos
queuing	(Optional) type queuing
cmap-name	(Optional) class map name
cmap-enum-name	(Optional)
default-cmap-enum-name	(Optional)
cmap-dce-name	(Optional) Queuing class-map name
cmap-name-hque	(Optional) Hierarchical class-map name
color-map-enum-name	(Optional)
__readonly__	(Optional)
display-all	(Optional) Display all kinds of class-maps
TABLE_cmap	(Optional) all cmap xml sessions
cmap-key	(Optional) Class-map name: xml key
TABLE_match	(Optional) all match xml sessions
match-key	(Optional) match count: xml key
cmap-name-out	(Optional) Class-map name
xqos-or-q	(Optional)

any_or_all	(Optional) Enter match-any or match-all
id	(Optional) Class-map ID
desc	(Optional) Description string
not	(Optional) Negate this match result
dscp-list	(Optional) List of DSCP values
precedence-list	(Optional) List of precedence values
cos-list	(Optional) List of class-of-service values
qos-group-list	(Optional) List of qos-group values
discard-class-list	(Optional) List of discard-class values
vlan-list	(Optional) List of vlan-ids
match-cmap-name	(Optional) class-map name
match-acl-name	(Optional) Match class-map name
note-string	(Optional) Placeholder string param to display any info in string format
pkt-len-list	(Optional) Packet length multi-range
rtp-port-list	(Optional) IP RTP UDP port multi-range
roce-port-list	(Optional) IP ROCE UDP port multi-range
prot	(Optional) Protocol
input-iface-list	(Optional) Input Interface multi-range
exp-list	(Optional) List of MPLS exp values
cl-def	(Optional) Match any criteria for class-default only

Command Mode

- /exec

show class-map type control-plane

show class-map type control-plane [<cmap-name>] [__readonly__ [{ TABLE_cmap <cmap-key> <cmap-name-out> <opt_any_or_all> [TABLE_match <match-key> [access_grp <acc_grp_name>] [redirect <opt_match_redirect>] [exception <opt_match_excpt>] [protocol <opt_match_protocol>]] }]]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
control-plane	This is for copp policy
cmap-name	(Optional) Name of the class-map
__readonly__	(Optional)
TABLE_cmap	(Optional) all cmap xml sessions
cmap-name-out	(Optional) Name of the class-map
cmap-key	(Optional) Class-map name: xml key
opt_any_or_all	(Optional) Enter match-any or match-all
TABLE_match	(Optional) all match xml sessions
match-key	(Optional) match count: xml key
access_grp	(Optional)
acc_grp_name	(Optional)
redirect	(Optional)
opt_match_redirect	(Optional) Match criteria for redirected packets
exception	(Optional)
opt_match_excpt	(Optional) Match criteria for exception packets
protocol	(Optional)
opt_match_protocol	(Optional) Match criteria for protocol packets

Command Mode

- /exec

show class-map type network-qos

show class-map type network-qos [<cmap-name-nq>] [__readonly__ { [<display-all>] [TABLE_cmap <cmap-key> <xcmap-name> [<desc>] [<cos-list>] [<qos-group-list>] [<protocol>]] }]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
cmap-name-nq	(Optional) Class-map name
network-qos	type network-qos
__readonly__	(Optional)
display-all	(Optional) Display all network-qos class-maps
TABLE_cmap	(Optional) all network-qos cmap xml sessions
cmap-key	(Optional) Class-map name: xml key
desc	(Optional) Description string
xcmap-name	(Optional) Class-map name
protocol	(Optional) protocol
cos-list	(Optional) List of class-of-service values
qos-group-list	(Optional) List of qos-group values

Command Mode

- /exec

show class-map type psp

show class-map type psp { [<cmap-name-plc> [client <clienttype> <clientID>] [cfg-mode <cfgmode>]] | [handle <ppf_id>] } [__readonly__ { [<display-all>] [TABLE_cmap <cmap-key> [<id>] [<any_or_all>] [<__inline__>] [class-default] <cmap-name-out> [<desc>] [TABLE_match <match-key> [<not>] [<any>] [<cos-list>] [<mac_src> <mac_src_wild>] [<mac_dest> <mac_dest_wild>] [<eth-value>] [<vlan-number>] [<tos-value>] [<ip-protocol-value>] [<ip-s-addr> <ip-s-mask>] [<ip-d-addr> <ip-d-mask>] [<tcp-src-port-addr>] [<tcp-dest-port-addr>] [<udp-src-port-addr>] [<udp-dest-port-addr>] [<interface-name>] [<ipv6-s-addr> <ipv6-s-mask>] [<ipv6-d-addr> <ipv6-d-mask>] [<dscp-list>]]] }]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
psp	type psp
cmap-name-plc	(Optional) Class-map name
client	(Optional) set client type
clienttype	(Optional) cli/onep
clientID	(Optional) client appID
cfg-mode	(Optional) cfg-mode
cfgmode	(Optional) persistent/transient
handle	(Optional) Handle
ppf_id	(Optional) PPF ID
__readonly__	(Optional)
display-all	(Optional) Display all kinds of class-maps
TABLE_cmap	(Optional) all cmap xml sessions
cmap-key	(Optional) Class-map name: xml key
TABLE_match	(Optional) all match xml sessions
match-key	(Optional) match count: xml key
class-default	(Optional)
cmap-name-out	(Optional) Class-map name
any_or_all	(Optional) Enter match-any or match-all
__inline__	(Optional) Inline class

id	(Optional) Class-map ID
desc	(Optional) Description string
not	(Optional) Negate this match result
any	(Optional) Wildcard match
cos-list	(Optional) List of class-of-service values
mac_src	(Optional) Source MAC address
mac_src_wild	(Optional) Source MAC mask
mac_dest	(Optional) Destination MAC address
mac_dest_wild	(Optional) Destination MAC mask
eth-value	(Optional) Ethernet type
vlan-number	(Optional) Vlan number
tos-value	(Optional) IPv4 TOS
ip-protocol-value	(Optional) IPV4 protocol
ip-s-addr	(Optional) IP address in format a.b.c.d
ip-d-addr	(Optional) IP address in format a.b.c.d
ip-s-mask	(Optional) IP address Mask in format a.b.c.d
ip-d-mask	(Optional) IP address Mask in format a.b.c.d
tcp-src-port-addr	(Optional) Transport layer port number
tcp-dest-port-addr	(Optional) Transport layer port number
udp-src-port-addr	(Optional) Transport layer port number
udp-dest-port-addr	(Optional) Transport layer port number
interface-name	(Optional) Physical interface Name and Number
dscp-list	(Optional) List of DSCP values

Command Mode

- /exec

show cli alias

show cli alias [name <s0>] [__readonly__ { TABLE_cli_alias <alias> <name> }]

Syntax Description

show	Show running system information
cli	Show CLI information
alias	Display the alias configuration
name	(Optional) Display a specific alias
s0	(Optional) Specify the alias
__readonly__	(Optional)
TABLE_cli_alias	(Optional) cli alias table
alias	(Optional) alias
name	(Optional) name

Command Mode

- /exec

show cli dynamic-cmd

show cli dynamic-cmd

Syntax Description

show	Show running system information
cli	CLI commands
dynamic-cmd	Display the list of dynamic commands(cli)

Command Mode

- /exec

show cli dynamic integers

show cli dynamic integers [<name>] [__readonly__ TABLE_dynamic_integers <name-o> <min> <max>]

Syntax Description

show	Show running system information
cli	CLI commands
dynamic	Display current range of dynamic parameters
integers	Display current range of dynamic integer parameters
name	(Optional) name of the dynamic parameter
__readonly__	(Optional)
TABLE_dynamic_integers	(Optional)
name-o	(Optional)
min	(Optional)
max	(Optional)

Command Mode

- /exec

show cli dynamic strings

show cli dynamic strings [<name>] [__readonly__ TABLE_dynamic_strings <name-o> <value> +]

Syntax Description

show	Show running system information
cli	CLI commands
dynamic	Display current range of dynamic parameters
strings	Display current range of dynamic string parameters
name	(Optional) name of the dynamic parameter
__readonly__	(Optional)
TABLE_dynamic_strings	(Optional)
name-o	(Optional)
value	(Optional)

Command Mode

- /exec

show cli history

show cli history [this-mode-only | exec-mode | config-mode] [<count> | unformatted] +

Syntax Description

show	Show running system information
cli	debug cli
history	history of cli commands
count	(Optional) number of lines to display (from end)
unformatted	(Optional) display just the commands
this-mode-only	(Optional) display history from current mode only
exec-mode	(Optional) display history of exec commands only
config-mode	(Optional) display history of config commands only

Command Mode

- /exec

show cli interface table

show cli interface table

Syntax Description

show	show
cli	cli
interface	interface
table	table

Command Mode

- /exec

show cli list

show cli list [detail | recurse | <component> | <max-per-cmd>] +

Syntax Description

show	Show running system information
cli	Show CLI information
list	show
component	(Optional) component
max-per-cmd	(Optional) max
recurse	(Optional) go
detail	(Optional) formats

Command Mode

- /exec

show cli registry

show cli registry [ctags | tags | modes | session | inherit]

Syntax Description

show	Show running system information
cli	
registry	
ctags	(Optional)
tags	(Optional)
modes	(Optional)
session	(Optional)
inherit	(Optional)

Command Mode

- /exec

show cli syntax

show cli syntax [long | recurse] + [has-xml-out | has-no-xml-out | is-data-modeled] [roles [network-admin | network-operator | <roles-mask>]]

Syntax Description

show	Show running system information
cli	Show CLI information
syntax	show
long	(Optional) use
recurse	(Optional) also
has-xml-out	(Optional) show
has-no-xml-out	(Optional) show
is-data-modeled	(Optional) show
roles	(Optional) show
network-admin	(Optional) show
network-operator	(Optional) show
roles-mask	(Optional) show

Command Mode

- /exec

show cli variables

show cli variables [__readonly__ <switchname> <timestamp> [{ TABLE_variable <key> <value> }] [{ TABLE_session_variable <key> <value> }]]

Syntax Description

show	Show running system information
cli	Show CLI information
variables	Show CLI variables
__readonly__	(Optional)
switchname	(Optional) Switch Name
timestamp	(Optional) Timestamp
TABLE_variable	(Optional) Variable table
key	(Optional) key
value	(Optional) value
TABLE_session_variable	(Optional) Session variable table
key	(Optional) key
value	(Optional) value

Command Mode

- /exec

show clock

show clock [detail] [__readonly__ { <simple_time> <time_source> [<daylight_zone> <daylight_start_week> <daylight_start_weekday> <daylight_start_month> <daylight_start_time> <daylight_end_week> <daylight_end_weekday> <daylight_end_month> <daylight_end_time> <daylight_utc_min_offset>] }]

Syntax Description

show	Show running system information
clock	Display current Date
detail	(Optional) Display current date and summertime configuration
__readonly__	(Optional)
simple_time	(Optional) simple clock format
time_source	(Optional) Time source
daylight_zone	(Optional) summer-time daylight zone
daylight_start_week	(Optional) daylight start week
daylight_start_weekday	(Optional) daylight start weekday
daylight_start_month	(Optional) daylight start month
daylight_start_time	(Optional) daylight start time
daylight_end_week	(Optional) daylight end week
daylight_end_weekday	(Optional) daylight end weekday
daylight_end_month	(Optional) daylight end month
daylight_end_time	(Optional) daylight end time
daylight_utc_min_offset	(Optional) daylight utc offset

Command Mode

- /exec

show clock utc

show clock utc

Syntax Description

show	Show running system information
clock	Display current Date
utc	Display current time in UTC

Command Mode

- /exec

show config-profile

show config-profile [name <all_conf_profile_name>] [__readonly__ TABLE_conf_profile_all <conf_profile_name> { [<conf_profile_desc>] <conf_profile_cfg> + [<conf_profile_applied>] + [<conf_profile_include>] + }]

Syntax Description

show	Show running system information
config-profile	Show config-profiles
name	(Optional) config-profile name
all_conf_profile_name	(Optional) Enter the name of configuration profile
__readonly__	(Optional)
TABLE_conf_profile_all	(Optional)
conf_profile_name	(Optional)
conf_profile_desc	(Optional)
conf_profile_cfg	(Optional)
conf_profile_applied	(Optional)
conf_profile_include	(Optional)

Command Mode

- /exec

show config-profile applied

show config-profile { applied [auto | manually] | non-applied } [match-name <profile_substring>] [__readonly__ [<profiles>] +]

Syntax Description

show	Show running system information
config-profile	Show config-profiles
applied	List of config-profiles that are applied
auto	(Optional) List of config-profiles that are applied via auto-config
manually	(Optional) List of all config-profiles which were applied directly from cli
non-applied	List of config-profiles that are not applied
match-name	(Optional) List of all config-profiles that have matching sub-string
__readonly__	(Optional)
profiles	(Optional)
profile_substring	(Optional) Enter a substring to match with config-profile name

Command Mode

- /exec

show config-replace log exec

show config-replace log { exec | verify } [__readonly__ [<log_entry> +]]

Syntax Description

show	Show running system information
config-replace	Show config-replace
log	show config-replace log
exec	show config-replace execution log
verify	show config-replace verify log
__readonly__	(Optional) Read only
log_entry	(Optional) log entry from configure replace log

Command Mode

- /exec

show config-replace status

show config-replace status [__readonly__ <last_operation> [<config_replace_type>] [<name>] [<start_time>] [<end_time>] [<operation_status>] [<commit_status>] [<commit_timeout_remaining>]]

Syntax Description

show	Show running system information
config-replace	show config-replace
status	show status of last configure replace operation
__readonly__	(Optional) Read only
last_operation	(Optional) last operation
config_replace_type	(Optional) config-replace type
name	(Optional) name
start_time	(Optional) start time
end_time	(Optional) end time
operation_status	(Optional) operation status
commit_status	(Optional) Commit status
commit_timeout_remaining	(Optional) commit timeout remaining

Command Mode

- /exec

show config-template

show config-template [[<template-name>] [status [{ vrf <vrf-name> }]]] [__readonly__ { TABLE_profile <name> <refcount> <type> [TABLE_cfg <cfg>] [TABLE_status <vrfname> <status>] }]

Syntax Description

show	Show running system information
config-template	config-template
template-name	(Optional) config-template name
status	(Optional) config-template status
vrf	(Optional) VRF referencing config-template
vrf-name	(Optional) config-template name
__readonly__	(Optional)
TABLE_profile	(Optional)
name	(Optional) config-template name
refcount	(Optional) Ref count of VRFs using this config-template
type	(Optional) config-template type
TABLE_cfg	(Optional)
cfg	(Optional) profile config
TABLE_status	(Optional)
vrfname	(Optional) profile config
status	(Optional) profile status

Command Mode

- /exec

show configuration session

show configuration session <s3> [__readonly__ <ssn-name> [TABLE_session_details [<ssn-cmd-num>] [<command>]]]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
s3	Shows configuration session given a name
__readonly__	(Optional) Read only
ssn-name	(Optional)
TABLE_session_details	(Optional) Show session details for given name
ssn-cmd-num	(Optional)
command	(Optional)

Command Mode

- /exec

show configuration session

show configuration session [__readonly__ [TABLE_session_all <ssn-name> [TABLE_session_all_cmd [<ssn-cmd-num>] [<command>]]] <activesesscnt>]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
__readonly__	(Optional) Read only
TABLE_session_all	(Optional) Show session table
ssn-name	(Optional)
TABLE_session_all_cmd	(Optional) Show session related commands
ssn-cmd-num	(Optional)
command	(Optional)
activesesscnt	(Optional) Number of active configuration sessions

Command Mode

- /exec

show configuration session global-info

show configuration session global-info [__readonly__ <max-ssns> <max-cmds> <curr-num-ssns> <curr-num-cmds>]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
global-info	Show configuration sessions global-info
__readonly__	(Optional) Read only
max-ssns	(Optional)
max-cmds	(Optional)
curr-num-ssns	(Optional)
curr-num-cmds	(Optional)

Command Mode

- /exec

show configuration session nx-api rest

show configuration session nx-api rest [with-dn]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
nx-api	NX-API
rest	NX-API REST JSON format
with-dn	(Optional) include the DN/RN in the output

Command Mode

- /exec

show configuration session nx-yang json

show configuration session nx-yang { json | xml }

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
nx-yang	NXOS YANG
json	NXOS YANG JSON format
xml	NXOS YANG XML format

Command Mode

- /exec

show configuration session status

show configuration session status [<s3>] [__readonly__ [TABLE_session_status <ssn-name> <last-action> <ac-status> <ac-reason> <ac-tstamp> [<failed-cmd-num>] [<failed-cmd>] [<last-vfy-cmd-num>] [<last-vfy-cmd>] [<last-vfy-tstamp>] [<rollback-status>]]]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
status	Show configuration session-mgr status
s3	(Optional) Shows configuration session status given a name
__readonly__	(Optional) Read only
TABLE_session_status	(Optional) Show session status table
ssn-name	(Optional)
last-action	(Optional) Last Action
ac-status	(Optional) Last Action Status
ac-reason	(Optional) Last Action Reason
ac-tstamp	(Optional) Last Action Timestamp
failed-cmd-num	(Optional) Failed Command Number
failed-cmd	(Optional) Failed Command
last-vfy-cmd-num	(Optional) Last Verified Command Number
last-vfy-cmd	(Optional) Last Verified Command
last-vfy-tstamp	(Optional) Last Verified Command Timestamp
rollback-status	(Optional) Rollback Status

Command Mode

- /exec

show configuration session summary

show configuration session summary [__readonly__ [TABLE_session_summary <ssn-name> <username> <tstamp>] [<activesesscnt>]]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
summary	Show summary of the active configuration sessions
__readonly__	(Optional) Read only
TABLE_session_summary	(Optional) Show session summary table
ssn-name	(Optional)
username	(Optional) Session Owner
tstamp	(Optional) Creation Time
activesesscnt	(Optional) Number of active configuration sessions

Command Mode

- /exec

show configuration session vsh

show configuration session <s3> vsh [__readonly__ <ssn-name> [TABLE_session_details_vsh [<ssn-cmd-num>] [<command>]]]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
s3	Shows configuration session given a name
vsh	
__readonly__	(Optional) Read only
TABLE_session_details_vsh	(Optional) Show session details for given name on vsh
ssn-name	(Optional)
ssn-cmd-num	(Optional)
command	(Optional)

Command Mode

- /exec

show consistency-checker copp

show consistency-checker copp

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
copp	Verify copp programming from software context

Command Mode

- /exec

show consistency-checker dme

show consistency-checker dme

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
dme	DME (ObjectStore)

Command Mode

- /exec

show consistency-checker egress-xlate private-vlan

show consistency-checker egress-xlate private-vlan <vlan>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
egress-xlate	Check PVLAN egress-xlate
private-vlan	Verifies private-vlan egress-xlate in the hardware
vlan	Enter private-vlan id

Command Mode

- /exec

show consistency-checker fex-interfaces fex

show consistency-checker fex-interfaces fex <id>

Syntax Description

show	Show running system information
fex	Limit display to interfaces on this fex
id	Enter module number
consistency-checker	Consistency Checker
fex-interfaces	Compares software and hardware state of fex interfaces

Command Mode

- /exec

show consistency-checker forwarding ipv6 show forwarding ipv6 inconsistency

show consistency-checker forwarding ipv6 [unicast] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding ipv6 [unicast] inconsistency [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <idipv6> <slotipv6> [<unitipv6>] <vrfipv6> [<ipv6addr>] [<ipv6prefix>] [<interfaceipv6>] <reasonipv6>]

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
inconsistency	route inconsistency check
ipv6	ipv6
unicast	(Optional) unicast
vrf	(Optional) check routes for a specific VRF
vrf-name	(Optional) VRF name
module	(Optional) check routes for a specific module
module	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's
__readonly__	(Optional)
TABLE_inconsistency	(Optional)
idipv6	(Optional)
slotipv6	(Optional)
unitipv6	(Optional)
vrfipv6	(Optional)
interfaceipv6	(Optional)
reasonipv6	(Optional)

Command Mode

- /exec

show consistency-checker forwarding recover

show consistency-checker forwarding recover

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
recover	Recover inconsistent routes

Command Mode

- /exec

show consistency-checker forwarding show forwarding inconsistency

show consistency-checker forwarding [ip | ipv4] [unicast] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding [ip | ipv4] [unicast] inconsistency [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <id> <slot> [<unit>] <vrf> [<ipaddr>] [<ipprefix>] [<interface>] <reason>]

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
inconsistency	route inconsistency check
ip	(Optional) ipv4
ipv4	(Optional) ipv4
unicast	(Optional) unicast
vrf	(Optional) check routes for a specific VRF
vrf-name	(Optional) VRF name
module	(Optional) check routes for a specific module
module	(Optional) module number
all_modules	(Optional) all module's
all_vrfs	(Optional) all vrf's
__readonly__	(Optional)
TABLE_inconsistency	(Optional)
id	(Optional)
slot	(Optional)
unit	(Optional)
vrf	(Optional)
ipaddr	(Optional)
ipprefix	(Optional)
interface	(Optional)

reason	(Optional)

Command Mode

- /exec

show consistency-checker forwarding single-route ipv4 vrf

show consistency-checker forwarding single-route { ipv4 | ipv6 } <ip-prefix> vrf <vrf-name>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
forwarding	Display Forwarding Information
single-route	Run the consistency checker for a single route
ipv4	IPv4 address
ipv6	IPv6 address
ip-prefix	Specify an IP prefix/mask
vrf	check routes for a specific VRF
vrf-name	vrf name

Command Mode

- /exec

show consistency-checker l2-tahoe module

show consistency-checker l2-tahoe module <module> [unit <unit>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	l2 consistency
module	Module to run the consistency-checker on
module	Enter module number
unit	(Optional) Unit to run the consistency checker on
unit	(Optional) Enter unit number

Command Mode

- /exec

show consistency-checker l2-tahoe switchport interface

show consistency-checker l2-tahoe switchport interface <if_name>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2-tahoe	l2 consistency
switchport	Switchport Interface
interface	interface
if_name	Physical or Logical interface

Command Mode

- /exec

show consistency-checker l2 multicast group source vlan

show consistency-checker l2 multicast group <grp-address> source <src-address> vlan <vlan-id>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l2	l2 consistency
multicast	multicast related information
group	Do consistency check for group
grp-address	group IP address
source	Do consistency check for source
src-address	source IP address
vlan	Do consistency check for vlan
vlan-id	vlan number

Command Mode

- /exec

show consistency-checker l3-interface module

show consistency-checker l3-interface module <moduleid>

Syntax Description

show	Show running system information
module	Limit display to interfaces on module
moduleid	Enter module number
consistency-checker	Consistency Checker
l3-interface	Compares software and hardware properties of L3 interfaces

Command Mode

- /exec

show consistency-checker l3 multicast group source vrf

show consistency-checker l3 multicast group <grp-address> source <src-address> vrf <vrf-string>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
l3	l3 consistency
multicast	multicast related information
group	Do consistency check for group
grp-address	group IP address
source	Do consistency check for source
src-address	source IP address
vrf	Do consistancy check for vrf
vrf-string	Vrf string

Command Mode

- /exec

show consistency-checker link-state fabric-ieth

show consistency-checker link-state fabric-ieth { [module <module>] }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces
fabric-ieth	Internal Fabric ports
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number

Command Mode

- /exec

show consistency-checker link-state module

show consistency-checker link-state module <module>

Syntax Description

show	Show running system information
module	Limit display to interfaces on module
module	Enter module number
consistency-checker	Consistency Checker
link-state	Compares software and hardware link state of interfaces

Command Mode

- /exec

show consistency-checker membership port-channels

show consistency-checker membership port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
membership	Check various memberships
port-channels	Verifies port channel membership in the hardware
interface	(Optional) Port-channel number
ch-id	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker membership vlan

show consistency-checker membership vlan <vlanid> [private-vlan [interface [<int-id> | <ch-id>]]] [native-vlan]

Syntax Description

show	Show running system information
vlan	Verifies vlan membership in the hardware
vlanid	Enter vlan id
consistency-checker	Consistency Checker
membership	Check various memberships
private-vlan	(Optional) Check private-vlan primary vlan
interface	(Optional) Interface
int-id	(Optional) Interface name
ch-id	(Optional) Port-Channel name
native-vlan	(Optional) Check for native vlans

Command Mode

- /exec

show consistency-checker nxapi interface

show consistency-checker nxapi interface

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
nxapi	Nxapi
interface	Compares interface configs between dme and pss

Command Mode

- /exec

show consistency-checker pacl module

show consistency-checker pacl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
module	Limit display to L2 interfaces on this module
module	Enter module number

Command Mode

- /exec

show consistency-checker pacl port-channels

show consistency-checker pacl port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
pacl	Verify pacl programming in the hardware
port-channels	Verifies port channel pacl programming in the hardware
interface	(Optional) Port-channel number
ch-id	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker port-security

show consistency-checker port-security [module <mod> [interface <intf-id>]]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
port-security	Port-Security information
module	(Optional) Module
interface	(Optional) Port-security interface
intf-id	(Optional) Port-security interace
mod	(Optional) Module Number

Command Mode

- /exec

show consistency-checker qinq

show consistency-checker qinq

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
qinq	QinQ consistency checker

Command Mode

- /exec

show consistency-checker qinvni

show consistency-checker qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
qinvni	QinVNI consistency checker

Command Mode

- /exec

show consistency-checker racl module

show consistency-checker racl module <module>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
module	Limit display to L3 interfaces on this module
module	Enter module number

Command Mode

- /exec

show consistency-checker racl port-channels

show consistency-checker racl port-channels [interface <ch-id>]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
racl	Verify racl programming in the hardware
port-channels	Verifies port channel racl programming in the hardware
interface	(Optional) Port-channel number
ch-id	(Optional) Port-Channel name

Command Mode

- /exec

show consistency-checker storm-control

show consistency-checker storm-control

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
storm-control	Storm control consistency checker

Command Mode

- /exec

show consistency-checker stp-state vlan

show consistency-checker stp-state vlan <vlan>

Syntax Description

show	Show running system information
vlan	Verifies spanning tree state in the hardware for all interfaces in the vlan
vlan	Enter vlan id
consistency-checker	Consistency Checker
stp-state	Verify spanning tree state in the hardware

Command Mode

- /exec

show consistency-checker vacl

show consistency-checker vacl

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vacl	Verify vacl programming in the hardware

Command Mode

- /exec

show consistency-checker vpc

show consistency-checker vpc [source-interface [<int-id> | <ch-id>]]

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vpc	vPC related information
source-interface	(Optional) Source vPC member
int-id	(Optional) Eth Interface
ch-id	(Optional) Port-Channel

Command Mode

- /exec

show consistency-checker vxlan bgp

show consistency-checker vxlan bgp

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
bgp	Display VxLAN BGP EVPN consistency information

Command Mode

- /exec

show consistency-checker vxlan config-check

show consistency-checker vxlan config-check

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
config-check	Check the inconsistencies in the config

Command Mode

- /exec

show consistency-checker vxlan flood_list

show consistency-checker vxlan flood_list

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
flood_list	Display VxLAN Floodlist consistency information

Command Mode

- /exec

show consistency-checker vxlan interface

show consistency-checker vxlan interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
interface	Interface
int-id	Interface
ch-id	Port-Channel name

Command Mode

- /exec

show consistency-checker vxlan l3-route vrf

show consistency-checker vxlan l3-route <l3-route> vrf <vrf-string>

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	vxlan related information
l3-route	Do consistency check for route
l3-route	L3 Route IP Address
vrf	Do consistancy check for vrf
vrf-string	Vrf string

Command Mode

- /exec

show consistency-checker vxlan mh mac-addresses

show consistency-checker vxlan mh mac-addresses

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
mac-addresses	Check mac address consistency between L2RIB and L2FM

Command Mode

- /exec

show consistency-checker vxlan mh pathlist

show consistency-checker vxlan mh pathlist

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
mh	VxLAN BGP EVPN Multi Homing CC commands
pathlist	Check Vxlan BGP EVPN MH Control plane and resultant pathlists consistency

Command Mode

- /exec

show consistency-checker vxlan peers

show consistency-checker vxlan peers

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
peers	Display VxLAN peers consistency information

Command Mode

- /exec

show consistency-checker vxlan pv

show consistency-checker vxlan pv

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
pv	pv consistency checker

Command Mode

- /exec

show consistency-checker vxlan qinq-qinvni

show consistency-checker vxlan qinq-qinvni

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
consistency-checker	Consistency Checker
qinq-qinvni	QinQ consistency checker

Command Mode

- /exec

show consistency-checker vxlan routes

show consistency-checker vxlan routes

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
routes	Display VxLAN L3 routes consistency information

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni

show consistency-checker vxlan selective-qinvni

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker

Command Mode

- /exec

show consistency-checker vxlan selective-qinvni interface

show consistency-checker vxlan selective-qinvni interface { <int-id> | <ch-id> }

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
selective-qinvni	Selective QinVNI consistency checker
interface	Interface
int-id	Interface
ch-id	Port-Channel name

Command Mode

- /exec

show consistency-checker vxlan unicast-nve-peers

show consistency-checker vxlan unicast-nve-peers

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
unicast-nve-peers	Display VxLAN Unicast NVE Peers consistency information

Command Mode

- /exec

show consistency-checker vxlan vlan

show consistency-checker vxlan vlan { <vlanid> | all }

Syntax Description

show	Show running system information
vxlan	VxLAN consistency checker
vlan	Verifies flood list programming for vxlan vlans
consistency-checker	Consistency Checker
vlanid	Enter vlan id
all	Check CC for all vxlans

Command Mode

- /exec

show consistency-checker vxlan xconnect

show consistency-checker vxlan xconnect

Syntax Description

show	Show running system information
consistency-checker	Consistency Checker
vxlan	VxLAN consistency checker
xconnect	Cross-Connect consistency checker

Command Mode

- /exec

show controller accounting log

show controller <ctrl-id> accounting log

Syntax Description

show	Show running system information
controller	Controller command
ctrl-id	Controller id value
accounting	Accounting
log	Show log information

Command Mode

- /exec

show copp diff profile profile2

show copp diff profile <profile_type> [prior-ver] profile2 <profile_type2>

Syntax Description

show	Show running system information
copp	Control-Plane Policing
diff	Difference between CoPP Profiles
profile	CoPP Profile
profile_type	CoPP Profile Types
prior-ver	(Optional) Previous Configured Version
profile2	CoPP Profile
profile_type2	CoPP Profile Types

Command Mode

- /exec

show copp profile

show copp profile { strict | moderate | lenient | dense } [__readonly__ { TABLE_coppprof <acl-type> { <acl-grp-name> { TABLE_sequence <permitdeny> [{ <proto_str> | <proto> | <ip> | <ipv6> }] { [<src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> | <src_addrgrp> | <src_mac_any> | <src_mac_addr> <src_mac_mask>] } [<src_port_op> { <src_port1_str> | <src_port1_num> } [<src_port2_str> | <src_port2_num>] | <src_portgrp>] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> | <dest_addrgrp> | <dest_mac_any> | <dest_mac_addr> <dest_mac_mask> } [<dest_port_op> { <dest_port1_str> | <dest_port1_num> } [<dest_port2_str> | <dest_port2_num>] | <dest_portgrp>] [{ <icmp_type> [<icmp_code>] | <icmp_str> } | { <icmpv6_type> [<icmpv6_code>] | <icmpv6_str> }] [<eth_proto>] } } } <newline> [{ TABLE_classmap <opt_any_or_all> [<cmap_name>] [{ access_grp <acc_grp_name> + }] [{ redirect <opt_match_redirect> + }] [{ exception <opt_match_excpt> + }] [{ protocol <opt_match_protocol> + }] }] [{ TABLE_policymap [<class-name>] [<pmap_name>] [<set_vld_flg>] [{ cos [inner] <cos-val> }] [{ dscp [tunnel] [<dscp-val>] }] [{ precedence [tunnel1] [<prec-val>] }] [<policer_show_flags>] [<cir>] [<opt_kbps_mbps_gbps_pps_cir>] [{ percent <cir-perc> }] [<bc> +] [<opt_kbytes_mbytes_gbytes_bc> +] [<pir>] [<opt_kbps_mbps_gbps_pps_pir>] [{ percent1 <pir-perc> }] [<be>] [<opt_kbytes_mbytes_gbytes_be>] [<opt_drop_transmit_conform>] [<opt_drop_transmit_violate>] [{ { [<opt_drop_transmit_conform1>] } | { set-cos-transmit [<set-cos-val>] } | { set-dscp-transmit [<set-dscp-val>] } | { set-prec-transmit [<set-prec-val>] } }] [{ { [<opt_drop_transmit_exceed>] } | { set dscp1 dscp2 table cir-markdown-map } }] [{ { [<opt_drop_transmit_violate1>] } | { set1 dscp3 dscp4 table1 pir-markdown-map } }] }]]

Syntax Description

show	Show running system information
copp	Control-Plane Policing
profile	CoPP Profile
strict	display strict profile
moderate	display moderate profile
lenient	display lenient profile
dense	display dense profile
__readonly__	(Optional) Read Only
acl-type	(Optional) access-list type
TABLE_coppprof	(Optional) copp profile
acl-grp-name	(Optional) name of the access-list
TABLE_sequence	(Optional) ACE RULE SYNTAX TABLE
permitdeny	(Optional) permit/deny
proto	(Optional) A protocol number
proto_str	(Optional) Protocol name

ip	(Optional) IP
ipv6	(Optional) IPV6
src_any	(Optional) SRCAny
dest_any	(Optional) DESTAny
src_ip_prefix	(Optional) Source IP prefix
src_ip_addr	(Optional) Source IP address
src_ip_mask	(Optional) Source IP mask
src_mac_addr	(Optional) Source MAC address
src_mac_mask	(Optional) Source MAC mask
src_mac_any	(Optional) SRCMACAny
dest_ip_prefix	(Optional) Destination IP prefix
dest_ip_addr	(Optional) Destination IP address
dest_ip_mask	(Optional) Destination IP mask
dest_mac_addr	(Optional) Destination MAC address
dest_mac_mask	(Optional) Destination MAC mask
dest_mac_any	(Optional) DESTMACAny
src_port_op	(Optional) Source Port operator
dest_port_op	(Optional) Destination Port operator
src_port1_str	(Optional) Source port name
src_port1_num	(Optional) Source port number
src_port2_str	(Optional) Source port name
src_port2_num	(Optional) Source port number
dest_port1_str	(Optional) Destination port name
dest_port1_num	(Optional) Destination port number
dest_port2_str	(Optional) Destination port name
dest_port2_num	(Optional) Destination port number
icmp_type	(Optional) ICMP type
icmp_code	(Optional) ICMP code
icmp_str	(Optional) ICMP message

icmpv6_type	(Optional) ICMP type
icmpv6_code	(Optional) ICMP code
icmpv6_str	(Optional) ICMP message
src_addrgrp	(Optional) Source address group
dest_addrgrp	(Optional) Destination address group
src_portgrp	(Optional) Source port group
dest_portgrp	(Optional) Destination port group
eth_proto	(Optional) MAC protocol number
newline	(Optional) newline between access-list and cmaps
TABLE_classmap	(Optional) Class Map
opt_any_or_all	(Optional) Enter match-any or match-all
cmap_name	(Optional) Name of the class-map
access_grp	(Optional) Access Group
acc_grp_name	(Optional)
redirect	(Optional)
opt_match_redirect	(Optional) Match criteria for redirected packets
exception	(Optional)
opt_match_excpt	(Optional) Match criteria for exception packets
protocol	(Optional)
opt_match_protocol	(Optional) Match criteria for protocol packets
TABLE_policymap	(Optional) Policy Map table
class-name	(Optional) Name if the policy member
pmap_name	(Optional) Name of the Policy-map
set_vld_flg	(Optional) Set valid flag
cos-val	(Optional) Set cos val
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	(Optional)
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
opt_drop_transmit_conform	(Optional) Set the action

opt_drop_transmit_violate	(Optional) Set the action
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	(Optional)
opt_kbytes_mbytes_gbytes_be	(Optional) Units
opt_drop_transmit_conform1	(Optional) Set the action
set-cos-transmit	(Optional)
set-cos-val	(Optional) Conform action cos val
set-dscp-transmit	(Optional)
set-dscp-val	(Optional) Conform action dscp val
set-prec-transmit	(Optional)
set-prec-val	(Optional) Conform action prec val
policer_show_flags	(Optional) Policer show flags
opt_drop_transmit_exceed	(Optional) Set the action
set	(Optional)
dscp1	(Optional)
dscp2	(Optional)
table	(Optional)
cir-markdown-map	(Optional)
opt_drop_transmit_violate1	(Optional) Set the action
set1	(Optional)
dscp3	(Optional)
dscp4	(Optional)
table1	(Optional)
pir-markdown-map	(Optional)
cos	(Optional)
inner	(Optional)
dscp	(Optional)
tunnel	(Optional)
dscp-val	(Optional) Set dscp val

precedence	(Optional)
tunnel1	(Optional)
prec-val	(Optional) Set prec val

Command Mode

- /exec

show copp status

show copp status [__readonly__ { last_config_operation <last_cfg_oper> } { last_config_operation_time <last_cfg_oper_time> } { last_config_operation_status <last_cfg_oper_status> } [last_config_operation_error_time <last_cfg_oper_error_time>] [last_config_operation_error <last_cfg_oper_error>] { service_policy <srv_policy> }]

Syntax Description

show	Show running system information
copp	Control-Plane Policing
status	Show the internal status of CoPP
__readonly__	(Optional)
last_config_operation	(Optional) last config operation
last_cfg_oper	(Optional) last config operation
last_config_operation_time	(Optional) timestamp of last config operation
last_cfg_oper_time	(Optional) timestamp of last config operation
last_config_operation_status	(Optional) status of last config operation
last_cfg_oper_status	(Optional) status of last config operation
last_config_operation_error_time	(Optional) timestamp of last config operation's error
last_cfg_oper_error_time	(Optional) timestamp of last config operation's error
last_config_operation_error	(Optional) last config operation's error
last_cfg_oper_error	(Optional) last config operation's error
service_policy	(Optional) policy-map attached to control-plane
srv_policy	(Optional) policy-map attached to control-plane

Command Mode

- /exec

show copyright

show copyright [__readonly__ { <content> }]

Syntax Description

show	Show running system information
copyright	Copyright information
__readonly__	(Optional)
content	(Optional) Copyrigh information

Command Mode

- /exec

show cores

show cores [vdc-all | { vdc [<e-vdc2> | <vdc-id>] }] [__readonly__ { [TABLE_cores <vdc_id> <module_id> <instance> <process_name> <pid> <sys_time>] }]

Syntax Description

show	Show running system information
cores	show all core dumps for the current vdc
vdc-all	(Optional) show core dumps from all vdcs
vdc	(Optional) show all core dumps for the vdc
__readonly__	(Optional)
TABLE_cores	(Optional)
vdc_id	(Optional) vdc id
module_id	(Optional) module id
instance	(Optional) instance number
process_name	(Optional) name of the process
pid	(Optional) process id
sys_time	(Optional) core generate time
e-vdc2	(Optional) Enter VDC <vdc-id>
vdc-id	(Optional) vdc number

Command Mode

- /exec

show crypto ca certificates

show crypto ca certificates [__readonly__ [{ TABLE_ca_certificates <trustpoint> [<certificate>] [{ TABLE_ca_cert_chains <index> <ca_certificate> }] }]]

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates
__readonly__	(Optional)
TABLE_ca_certificates	(Optional) Table of CA certificates
trustpoint	(Optional) Trustpoint name
certificate	(Optional) Certificate
TABLE_ca_cert_chains	(Optional) Table of CA certificates in chain
index	(Optional) CA Certificate Index
ca_certificate	(Optional) CA certificate

Command Mode

- /exec

show crypto ca certificates

show crypto ca certificates <s0> [__readonly__ { Trustpoint <trustpoint> } [{ Certificate <certificate> }] [{ TABLE_ca_cert_chains <index> <ca_certificate> }]]

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
certificates	show various certificates
s0	trustpoint label
__readonly__	(Optional)
Trustpoint	(Optional) Trustpoint
trustpoint	(Optional) Trustpoint
Certificate	(Optional) Certificate
certificate	(Optional) Certificate
TABLE_ca_cert_chains	(Optional) Table of CA certificates in chain
index	(Optional) CA Certificate Index
ca_certificate	(Optional) CA certificate

Command Mode

- /exec

show crypto ca certstore

show crypto ca certstore [__readonly__ { certstore_lookup <lookup_type> }]

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
certstore	Show the configured certstore
__readonly__	(Optional)
certstore_lookup	(Optional) Certificate strore lookup
lookup_type	(Optional) Lookup type

Command Mode

- /exec

show crypto ca crl

show crypto ca crl <s0> [__readonly__ { Trustpoint <trustpoint> } [{ CRL <crl> }]]

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
crl	show CRL
s0	trustpoint label
__readonly__	(Optional)
Trustpoint	(Optional) Trustpoint
trustpoint	(Optional) Trustpoint
CRL	(Optional) Certificate Revocation List
crl	(Optional) Certificate Revocation List

Command Mode

- /exec

show crypto ca remote-certstore

show crypto ca remote-certstore [__readonly__ { remote_cert_store <rem_cert_store> } [{ crl_timer <crltimer> } { ldap_server_group <ldap_server_grp> }]]

Syntax Description

show	Show running system information
crypto	Show crypto configuration
ca	show crypto ca configuration
remote-certstore	Show remote certstore configuration
__readonly__	(Optional)
remote_cert_store	(Optional) Remote cert store
rem_cert_store	(Optional) Remote certificate store
crl_timer	(Optional) CRL timer
crltimer	(Optional) CRL timer
ldap_server_group	(Optional) LDAP Server Group
ldap_server_grp	(Optional) LDAP Server Group

Command Mode

- /exec

show crypto ca trustpoints

show crypto ca trustpoints [__readonly__ [{ TABLE_ca_truspoints <trustpoint> <key-pair> [{ TABLE_revocation_methods <revocation-method> }] [<ocsp-url>] }]]

Syntax Description

show	Show running system information
crypto	show crypto configuration
ca	show trustpoint configuration
trustpoints	show trustpoint configuration
__readonly__	(Optional)
trustpoint	(Optional) Trustpoint
key-pair	(Optional) Key pair
TABLE_revocation_methods	(Optional) Table of revocation methods
revocation-method	(Optional) Revocation mehtod
ocsp-url	(Optional) OCSP URL
TABLE_ca_truspoints	(Optional) Table of CA trustpoints

Command Mode

- /exec

show crypto ca trustpool

show crypto ca trustpool [__readonly__ [{ TABLE_ca_trustpool <serial-number> <subject> <issued-by> <validity-start> <validity-end> }]]

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool contents
__readonly__	(Optional)
TABLE_ca_trustpool	(Optional) Table of CA trustpool
serial-number	(Optional) Serial number
subject	(Optional) subject
issued-by	(Optional) Issued by
validity-start	(Optional) validity start date
validity-end	(Optional) validity end date

Command Mode

- /exec

show crypto ca trustpool last download status

show crypto ca trustpool last download status [__readonly__ [http_url <http_url>] [download_time <download_time>] [trustpool_download_status <status>] [download_failure <reason>]]

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show trustpool data
trustpool	trustpool data
last	last trustpool download status
download	download of trustpool
status	download status
__readonly__	(Optional)
http_url	(Optional) http url configured
http_url	(Optional) HTTP url
download_time	(Optional) Download time
download_time	(Optional) Download time
trustpool_download_status	(Optional) Status of trutspool policy download
status	(Optional) Download status
download_failure	(Optional) Download failure
reason	(Optional) Download failure reason

Command Mode

- /exec

show crypto ca trustpool policy

show crypto ca trustpool policy [__readonly__ [http_url <http_url>] [config_vrf [<config_vrf>] [<src_intf>]] [proxy_server [<proxy_server>] [<proxy_server_port>]]]

Syntax Description

show	Show running system information
crypto	show crypto information
ca	show Certificate authority related config
trustpool	show trustpool policy
policy	trustpool configuration
__readonly__	(Optional)
http_url	(Optional) http url configured
http_url	(Optional) HTTP url
config_vrf	(Optional) Configured vrf
config_vrf	(Optional) vrf configured
src_intf	(Optional) source interface for vrf
proxy_server	(Optional) Configured proxy server
proxy_server	(Optional) proxy server
proxy_server_port	(Optional) proxy server port

Command Mode

- /exec

show crypto certificatemap

show crypto certificatemap [__readonly__ [{ TABLE_certmap <map_name> <subject_name> <alternate_email> <alternate_upn> }]]

Syntax Description

show	Show running system information
crypto	show crypto configuration
certificatemap	show certificatemap filters
__readonly__	(Optional)
TABLE_certmap	(Optional) Table of Certificate Map
map_name	(Optional) Map name
subject_name	(Optional) Subject name
alternate_email	(Optional) Alternate Email
alternate_upn	(Optional) Alternate UPN

Command Mode

- /exec

show crypto key mypubkey rsa

show crypto key mypubkey rsa [__readonly__ [{ TABLE_rsa_keys <key_label> <key_size> <exportable> <err_string> }]]

Syntax Description

show	Show running system information
crypto	show crypto configuration
key	show key configuration
mypubkey	show my public keys configuration
rsa	show my rsa public keys configuration
__readonly__	(Optional)
TABLE_rsa_keys	(Optional) Table of RSA keys
key_label	(Optional) Key Lable
key_size	(Optional) Key size
exportable	(Optional) Exportable
err_string	(Optional) Error String

Command Mode

- /exec

show crypto ssh-auth-map

show crypto ssh-auth-map

Syntax Description

show	Show running system information
crypto	show crypto configuration
ssh-auth-map	show mapping filters applied for ssh authentication

Command Mode

- /exec

show crypto ssh-auth-map

show crypto ssh-auth-map [__readonly__ [{ TABLE_ssh_auth_map <issuer_name> <map1> [<map2>] }]]

Syntax Description

show	Show running system information
crypto	show crypto configuration
ssh-auth-map	show mapping filters applied for ssh authentication
__readonly__	(Optional)
TABLE_ssh_auth_map	(Optional) Table of SSH Auth MAP
issuer_name	(Optional) Issuer Name
map1	(Optional) Map 1
map2	(Optional) Map 2

Command Mode

- /exec

show cts

show cts [__readonly__ <device-id> <cache_en> <num-dot1x> <num-man> <sgt>]

Syntax Description

cts	Show CTS global configuration
__readonly__	(Optional)
device-id	(Optional) name
cache_en	(Optional) enable/disable
num-dot1x	(Optional) number of interfaces in dot1x mode
num-man	(Optional) number of interfaces in manual mode
sgt	(Optional)

Command Mode

- /exec

show current

show current

Syntax Description

show	Display region configurations
current	Display mst configuration currently used

Command Mode

- /exec/configure/spanning-tree/mst/configuration

D Show Commands

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show dampening interface

show dampening interface

Syntax Description

show	Show running system information
dampening	Display dampening information
interface	Display interface dampening general information

Command Mode

- /exec

show diagnostic bootup level

show diagnostic bootup level [__readonly__ <bootup_level>]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
bootup	Show diagnostic bootup information
level	Show diagnostic bootup level information
__readonly__	(Optional)
bootup_level	(Optional) Bootup level

Command Mode

- /exec

show diagnostic content module

show diagnostic content module { all | <module> } [__readonly__ <attr_descr> { TABLE_Module <module_id> <module_type> { TABLE_test <test_id> <testname> <test_attr> <test_interval> } }]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
content	Show diagnostic test content
module	Module Keyword
all	Select all module ID
module	Module number
__readonly__	(Optional)
attr_descr	(Optional) Attribute description
TABLE_Module	(Optional) All modules table
module_id	(Optional) Module Number
module_type	(Optional) module type description
TABLE_test	(Optional) All tests table
test_id	(Optional) Test id
testname	(Optional) Test name
test_attr	(Optional) Test Attribute
test_interval	(Optional) HM test interval

Command Mode

- /exec

show diagnostic description module test all

show diagnostic description module <module> test { all | <name> | <test-id> } [__readonly__ { TABLE_desc <testname> <testdesc> }]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
description	Show diagnostic test desc
module	Module keyword
module	Module Number
test	Diagnostic test selection
all	Select all test ID
name	Test name
test-id	
__readonly__	(Optional)
TABLE_desc	(Optional) Table of test description
testname	(Optional) Test name
testdesc	(Optional) Description of the test

Command Mode

- /exec

show diagnostic events

show diagnostic events [error | info] [__readonly__ { TABLE_events <event_text> }]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
events	Diagnostic events
error	(Optional) Error event-type
info	(Optional) Information event-type
__readonly__	(Optional)
TABLE_events	(Optional) list of events logged
event_text	(Optional) Text of one event

Command Mode

- /exec

show diagnostic ondemand setting

show diagnostic ondemand setting [__readonly__ <test_iteration_count> <action_on_failure>]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
ondemand	Show diagnostic on demand information
setting	Show diagnostic on demand settings
__readonly__	(Optional)
test_iteration_count	(Optional) Iteration Count
action_on_failure	(Optional) Action on failure

Command Mode

- /exec

show diagnostic result module

show diagnostic result module <module> [test { <name> | <test-id> }] { [detail] | [statistics] } [__readonly__ <module_id> <curr_diag_level> <module_name> [<bootup_diag_level>] [{ TABLE_TestStat <stat_testid> <stat_testname> { TABLE_StatDetail <port_no> <packet_tx> <packet_rx> <packet_loss> } }] [{ TABLE_Test <test_id> <testname> [<testresult>] [{ <passed_ports> <failed_ports> <incomplete_ports> <untested_ports> <aborted_ports> <err_disabled_ports> }] [{ <err_code> <total_run_count> <last_execution_time> <first_failure_time> <last_failure_time> <last_pass_time> <total_fail_count> <consequtive_fail_count> <last_fail_reason> <next_execution_time> }] }]]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
result	Show diagnostic test result
module	Module keyword
module	Module number
test	(Optional) Diagnostic test selection
test-id	(Optional)
name	(Optional) Test name
detail	(Optional) Detailed result
statistics	(Optional) Result statistics
__readonly__	(Optional)
module_id	(Optional) Module ID
curr_diag_level	(Optional) Current diag level
module_name	(Optional) Module name
bootup_diag_level	(Optional) Diagnostic level at bootup
TABLE_TestStat	(Optional) Statistics table
stat_testid	(Optional) Test id
stat_testname	(Optional) Test name
TABLE_StatDetail	(Optional) Table stats detail
port_no	(Optional) Port Number
packet_tx	(Optional) Packet Tx
packet_rx	(Optional) Packet Rx

packet_loss	(Optional) Packet lost
TABLE_Test	(Optional) Table of tests in module
test_id	(Optional) Test id of tests
testname	(Optional) Test name
testresult	(Optional) Test Results
passed_ports	(Optional) List passed ports
failed_ports	(Optional) List failed ports
incomplete_ports	(Optional) List of Imcompletly tested ports
untested_ports	(Optional) List of untested ports
aborted_ports	(Optional) List of aborted ports
err_disabled_ports	(Optional) List error disabled ports
err_code	(Optional) Error code
total_run_count	(Optional) Total run count
last_execution_time	(Optional) Last execution time
first_failure_time	(Optional) First test failure time
last_failure_time	(Optional) Last test failure time
last_pass_time	(Optional) Last test pass time
total_fail_count	(Optional) Total fail count
consequtive_fail_count	(Optional) Consequetive failure count
last_fail_reason	(Optional) Last failure reason
next_execution_time	(Optional) Next test execution time

Command Mode

- /exec

show diagnostic result module all

show diagnostic result module all [detail] [__readonly__ { TABLE_Module <module_id> <curr_diag_level> <module_name> [<bootup_diag_level>] { TABLE_Test <test_id> <testname> [<testresult>] [{ <passed_ports> <failed_ports> <incomplete_ports> <untested_ports> <aborted_ports> <err_disabled_ports> }] [{ <err_code> <total_run_count> <last_execution_time> <first_failure_time> <last_failure_time> <last_pass_time> <total_fail_count> <consequtive_fail_count> <last_fail_reason> <next_execution_time> }] } }]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
result	Show diagnostic test result
module	Module keyword
all	Select all test ID
detail	(Optional) Detailed result
__readonly__	(Optional)
TABLE_Module	(Optional) Table of modules
module_id	(Optional) Module ID
curr_diag_level	(Optional) Current diag level
module_name	(Optional) Module name
bootup_diag_level	(Optional) Diagnostic level at bootup
TABLE_Test	(Optional) Table of tests in module
test_id	(Optional) Test id of tests
testname	(Optional) Test name
testresult	(Optional) Test Results
passed_ports	(Optional) List passed ports
failed_ports	(Optional) List failed ports
incomplete_ports	(Optional) List of Imcompletly tested ports
untested_ports	(Optional) List of untested ports
aborted_ports	(Optional) List of aborted ports
err_disabled_ports	(Optional) List error disabled ports

err_code	(Optional) Error code
total_run_count	(Optional) Total run count
last_execution_time	(Optional) Last execution time
first_failure_time	(Optional) First test failure time
last_failure_time	(Optional) Last test failure time
last_pass_time	(Optional) Last test pass time
total_fail_count	(Optional) Total fail count
consequtive_fail_count	(Optional) Consequetive failure count
last_fail_reason	(Optional) Last failure reason
next_execution_time	(Optional) Next test execution time

Command Mode

- /exec

show diagnostic simulation module

show diagnostic simulation module <module> [__readonly__ <module_id> <module_name> [{ TABLE_detail <serial_no> <testid> [<portid>] <mode> }]]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
simulation	Simulating Diagnostic result
module	Module keyword
module	Module Number
__readonly__	(Optional)
module_id	(Optional) Module ID
module_name	(Optional) Module Name
TABLE_detail	(Optional) Table of simulation details
serial_no	(Optional) serial no
testid	(Optional) Test id
portid	(Optional) Port id
mode	(Optional) Simulation mode

Command Mode

- /exec

show diagnostic status module

show diagnostic status module <module> [__readonly__ <test_runby_mapping> <module_id> <module_name> { TABLE_current <cur_test_name> <cur_run_by> } { TABLE_enqued <enq_test_name> <enq_run_by> }]

Syntax Description

show	Show running system information
diagnostic	Diagnostic commands
status	Show test status(running/enqueued)
module	Module keyword
module	Module number
__readonly__	(Optional)
test_runby_mapping	(Optional) Test type expansion
module_id	(Optional) Module Id
module_name	(Optional) Module name
TABLE_current	(Optional) Table of currently running test
cur_test_name	(Optional) Currently running test
cur_run_by	(Optional) Test Run By
TABLE_enqued	(Optional) Table of enqueued tests
enq_test_name	(Optional) Enqueued test name
enq_run_by	(Optional) Test enqueued by

Command Mode

- /exec

show diff rollback-patch

show diff rollback-patch { src-checkpoint <chkpoint_name> | src-running-cfg | src-startup-cfg | src-file <srcfile_uri> } { dst-checkpoint <chkpoint_name> | dst-running-cfg | dst-startup-cfg | dst-file <dstfile_uri> } [__readonly__ [<patch_entry>] +]

Syntax Description

show	Show running system information
diff	Show diff between configuration files or checkpoints
rollback-patch	Show rollback patch between configuration files or checkpoints
src-checkpoint	Use checkpoint as source configuration
chkpoint_name	Checkpoint name
src-running-cfg	Use running configuration as source
src-startup-cfg	Use startup configuration as source
src-file	Src Checkpoint file
srcfile_uri	Src Checkpoint file path
dst-checkpoint	Use checkpoint as destination configuration
chkpoint_name	Checkpoint name
dst-running-cfg	Use running configuration as destination
dst-startup-cfg	Use startup configuration as destination
dst-file	Dst Checkpoint file
dstfile_uri	Src Checkpoint file path
__readonly__	(Optional) Read only
patch_entry	(Optional) rollback patch entry

Command Mode

- /exec

show dot1q-tunnel

show dot1q-tunnel [__readonly__ TABLE_interface <interface>]

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface

Command Mode

- /exec

show dot1q-tunnel interface

show dot1q-tunnel interface <ifid_eth_dot1q_tunnel> [__readonly__ TABLE_interface <interface>]

Syntax Description

show	Show running system information
dot1q-tunnel	Show if port mode is dot1q-tunnel
interface	Show interface status and information
ifid_eth_dot1q_tunnel	Enter interface type and number in module/slot format
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface

Command Mode

- /exec

show dot1x

show dot1x [__readonly__ <sys_auth_ctrl> <proto_ver>]

Syntax Description

dot1x	dot1x configuration commands
__readonly__	(Optional)
sys_auth_ctrl	(Optional) show system auth control
proto_ver	(Optional) show protocol version

Command Mode

- /exec

show dot1x all

show dot1x all [__readonly__ <sys_auth_ctrl> <proto_ver> TABLE_all <if_index> TABLE_allpae <pae_type> [<port_control>] [<host_mode>] [<quiet_period>] [<inactivity_period>] [<tx_period>] [<max_req>] [<reauth>] [<rate_limit_period>] [<supp_timeout>] [<server_timeout>] [<reauth_server>] [<reauth_period>] [<reauth_max>] [<mac_auth_bypass>] [<start_period>] [<auth_period>] [<held_period>] [<max_start>]]

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
__readonly__	(Optional)
TABLE_all	(Optional)
TABLE_allpae	(Optional)
if_index	(Optional) Interface Index
sys_auth_ctrl	(Optional) Show System Auth Control
proto_ver	(Optional) Show Protocol Version
pae_type	(Optional) Show PAE Type
port_control	(Optional) Show Port Control
host_mode	(Optional) Show Host Mode
reauth	(Optional) Show Reauth Enabled Status
quiet_period	(Optional) Show Quiet Period
inactivity_period	(Optional) Show Inactivity Period
server_timeout	(Optional) Show Server Timeout
supp_timeout	(Optional) Show Supp Timeout
reauth_period	(Optional) Show Reauth Period
reauth_max	(Optional) Show Reauth Max
max_req	(Optional) Show Max Req
tx_period	(Optional) Show Tx Period
rate_limit_period	(Optional) Show Rate Limit Period
reauth_server	(Optional) Show Reauth Server Enabled Status
mac_auth_bypass	(Optional) Show MAC Auth Bypass Enabled Status

start_period	(Optional) Show Supplicant Start Period
auth_period	(Optional) Show Supplicant Auth Period
held_period	(Optional) Show Supplicant Held Period
max_start	(Optional) Show Supplicant Max Start

Command Mode

- /exec

show dot1x all details

show dot1x all details [__readonly__ <sys_auth_ctrl> <proto_ver> TABLE_alldetail <if_index> TABLE_allpaedetail <pae_type> [<port_control>] [<host_mode>] [<quiet_period>] [<inactivity_period>] [<tx_period>] [<max_req>] [<reauth>] [<rate_limit_period>] [<supp_timeout>] [<server_timeout>] [<reauth_server>] [<reauth_period>] [<reauth_max>] [<mac_auth_bypass>] [<no_of_clients>] [<port_status_no_clients>] [{ TABLE_if_auth_clients [<supp_mac_addr>] [<auth_domain>] [<auth_sm_state>] [<auth_bend_sm_state>] [<port_status>] [<authentication_method>] [<authenticated_by>] [<reauth_period_client>] [<reauth_action>] [<time_to_next_reauth>] [<auth_vlan>] }] [<start_period>] [<auth_period>] [<held_period>] [<max_start>] [<no_of_supp_clients>] [<auth_mac_addr>] [<supp_sm_state>] [<supp_bend_sm_state>] [<supp_port_status>]]

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
details	802.1x details
__readonly__	(Optional)
TABLE_alldetail	(Optional)
TABLE_allpaedetail	(Optional)
TABLE_if_auth_clients	(Optional)
if_index	(Optional) Interface Index
sys_auth_ctrl	(Optional) Show System Auth Control
proto_ver	(Optional) Show Protocol Version
pae_type	(Optional) Show PAE Type
port_control	(Optional) Show Port Control
host_mode	(Optional) Show Host Mode
reauth	(Optional) Show Reauth Enabled Status
quiet_period	(Optional) Show Quiet Period
server_timeout	(Optional) Show Server Timeout
supp_timeout	(Optional) Show Supp Timeout
reauth_period	(Optional) Show Reauth Period
reauth_max	(Optional) Show Reauth Max
max_req	(Optional) Show Max Req
tx_period	(Optional) Show Tx Period

rate_limit_period	(Optional) Show Rate Limit Period
inactivity_period	(Optional) Show Inactivity Period
reauth_server	(Optional) Show Reauth Server Enabled Status
mac_auth_bypass	(Optional) Show MAC Auth Bypass Enabled Status
no_of_clients	(Optional) Show Supplicant Clients
port_status_no_clients	(Optional) Show Port Status if there are no clients
supp_mac_addr	(Optional) Show Supplicant MAC Address
auth_domain	(Optional) Show Supplicant Auth Domain
auth_sm_state	(Optional) Show Authenticator SM State
auth_bend_sm_state	(Optional) Show Authenticator Backend State
port_status	(Optional) Show Port Status
authentication_method	(Optional) show authentication method
authenticated_by	(Optional) show authenticated by
reauth_period_client	(Optional) Show Reauth Period
reauth_action	(Optional) Show Reauthentication Action
time_to_next_reauth	(Optional) Show Time to Next Reauth
auth_vlan	(Optional) Show Vlan
start_period	(Optional) Show Supplicant Start Period
auth_period	(Optional) Show Supplicant Auth Period
held_period	(Optional) Show Supplicant Held Period
max_start	(Optional) Show Supplicant Max Start
no_of_supp_clients	(Optional) Show Supplicant Clients
auth_mac_addr	(Optional) Show Authenticator MAC Address
supp_sm_state	(Optional) Show Supplicant SM State
supp_bend_sm_state	(Optional) Show Supplicant Backend SM State
supp_port_status	(Optional) Show Supplicant Port Status

Command Mode

- /exec

show dot1x all statistics

show dot1x all statistics [__readonly__ TABLE_allstat <if_index> TABLE_allpaestat <pae_type> [<rxstart>] [<rxlogoff>] [<rxresp>] [<rxrespid>] [<rxinvalid>] [<rxlenerr>] [<rxtotal>] [<txreq>] [<txreqid>] [<txtotal>] [<rxversion>] [<lastrxsourcemac>] [<rxreq>] [<rxsuppinvalid>] [<rxsupplenerr>] [<rxsupptotal>] [<txstart>] [<txlogoff>] [<txresp>] [<txsupptotal>] [<rxsuppversion>] [<lastrxsrcmac>]]

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
statistics	802.1x statistics
__readonly__	(Optional)
TABLE_allstat	(Optional)
TABLE_allpaestat	(Optional)
if_index	(Optional) Interface Index
pae_type	(Optional) Show PAE Type
rxstart	(Optional) Show Received EAPOL-Start
rxlogoff	(Optional) Show Received EAPOL-Logoff
rxresp	(Optional) Show Received EAP-Response
rxrespid	(Optional) Show Received EAP-ResponseID
rxinvalid	(Optional) Show Received Invalid EAPOL Frame
rxlenerr	(Optional) Show Received EAPOL Bad Length Frame
rxtotal	(Optional) Show Received Total EAPOL Frame
txreq	(Optional) Show Transmitted EAP-Request
txreqid	(Optional) Show Transmitted EAP-RequestID
txtotal	(Optional) Show Transmitted Total EAPOL Frame
rxversion	(Optional) Show Received EAPOL Version
lastrxsourcemac	(Optional) Show Last Source MAC
rxreq	(Optional) Show Received EAP-Request
rxsuppinvalid	(Optional) Show received Invalid EAPOL Frame
rxsupplenerr	(Optional) Show received EAPOL Bad Length Frame

rxsupptotal	(Optional) Show Received Total EAPOL Frame
txstart	(Optional) Show transmitted EAPOL-Start
txlogoff	(Optional) Show transmitted EAPOL-Logoff
txresp	(Optional) Show transmitted EAP-Response
txsupptotal	(Optional) Show transmitted Total EAPOL Frame
rxsuppversion	(Optional) Show Received EAPOL Version
lastrxsrcmac	(Optional) Show Last Source MAC received

Command Mode

- /exec

show dot1x all summary

show dot1x all summary [__readonly__ TABLE_allsummary <if_index> <pae_type> [<port_status_no_clients>] [{ TABLE_if_auth_clients [<auth_mac_addr>] [<port_status>] }]]

Syntax Description

dot1x	dot1x configuration commands
all	Show information for all interfaces
summary	802.1x summary
__readonly__	(Optional)
TABLE_allsummary	(Optional)
TABLE_if_auth_clients	(Optional)
if_index	(Optional) Interface Index
pae_type	(Optional) Show PAE Type
auth_mac_addr	(Optional) Show Authenticator MAC Address
port_status_no_clients	(Optional) Show Port Status if there are no clients
port_status	(Optional) Show Port Status

Command Mode

- /exec

show dot1x interface

{ show dot1x interface <if> [__readonly__ <if_index> <pae_type> [<port_control>] [<host_mode>] [<quiet_period>] [<inactivity_period>] [<tx_period>] [<max_req>] [<reauth>] [<rate_limit_period>] [<supp_timeout>] [<server_timeout>] [<reauth_server>] [<reauth_period>] [<reauth_max>] [<mac_auth_bypass>] [<start_period>] [<auth_period>] [<held_period>] [<max_start>]] } | { show dot1x interface <if> details [__readonly__ <if_index_detail> <pae_type_detail> [<port_control_detail>] [<host_mode_detail>] [<quiet_period_detail>] [<inactivity_period_detail>] [<tx_period_detail>] [<max_req_detail>] [<reauth_detail>] [<rate_limit_period_detail>] [<supp_timeout_detail>] [<server_timeout_detail>] [<reauth_server_detail>] [<reauth_period_detail>] [<reauth_max_detail>] [<mac_auth_bypass_detail>] [<no_of_clients>] [<port_status_no_clients_detail>] [{ TABLE_if_auth_clients_detail [<supp_mac_addr_detail>] [<auth_domain>] [<auth_sm_state>] [<auth_bend_sm_state>] [<port_status>] [<authentication_method>] [<authenticated_by>] [<reauth_period_client>] [<reauth_action>] [<time_to_next_reauth>] [<auth_vlan>] }] [<start_period_detail>] [<auth_period_detail>] [<held_period_detail>] [<max_start_detail>] [<no_of_supp_clients>] [<auth_mac_addr_detail>] [<supp_sm_state>] [<supp_bend_sm_state>] [<supp_port_status>]] } | { show dot1x interface <if> statistics [__readonly__ <if_index_stat> <pae_type_stat> [<rxstart>] [<rxlogoff>] [<rxresp>] [<rxrespid>] [<rxinvalid>] [<rxlenerr>] [<rxtotal>] [<txreq>] [<txreqid>] [<txtotal>] [<rxversion>] [<lastrxsourcemac>] [<rxreq>] [<rxsuppinvalid>] [<rxsupplenerr>] [<rxsupptotal>] [<txstart>] [<txlogoff>] [<txresp>] [<txsupptotal>] [<rxsuppversion>] [<lastrxsrcmac>]] } | { show dot1x interface <if> summary [__readonly__ <if_index_summary> <pae_type_summary> [<port_status_no_clients_summary>] [{ TABLE_if_auth_clients_summary [<auth_mac_addr>] [<port_status_summary>] }] [<supp_mac_addr>] [<supp_port_status_summary>]] }

Syntax Description

dot1x	dot1x configuration commands
if	
details	802.1x details
statistics	802.1x statistics
summary	802.1x summary
TABLE_if_auth_clients_detail	(Optional)
TABLE_if_auth_clients_summary	(Optional)
__readonly__	(Optional)
if_index	(Optional) Interface Index
if_index_detail	(Optional) Interface Index
if_index_stat	(Optional) Interface Index
if_index_summary	(Optional) Interface Index
pae_type	(Optional) Show PAE Type
port_control	(Optional) Show Port Control

host_mode	(Optional) Show Host Mode
reauth	(Optional) Show Reauth Enabled Status
quiet_period	(Optional) Show Quiet Period
inactivity_period	(Optional) Show Inactivity Period
server_timeout	(Optional) Show Server Timeout
supp_timeout	(Optional) Show Supp Timeout
reauth_period	(Optional) Show Reauth Period
reauth_max	(Optional) Show Reauth Max
max_req	(Optional) Show Max Req
tx_period	(Optional) Show Tx Period
rate_limit_period	(Optional) Show Rate Limit Period
start_period	(Optional) Show Supplicant Start Period
auth_period	(Optional) Show Supplicant Auth Period
held_period	(Optional) Show Supplicant Held Period
max_start	(Optional) Show Supplicant Max Start
reauth_server	(Optional) Show Reauth Server Enabled Status
mac_auth_bypass	(Optional) Show MAC Auth Bypass Enabled Status
pae_type_detail	(Optional) Show PAE Type
port_control_detail	(Optional) Show Port Control
host_mode_detail	(Optional) Show Host Mode
reauth_detail	(Optional) Show Reauth Enabled Status
quiet_period_detail	(Optional) Show Quiet Period
inactivity_period_detail	(Optional) Show Inactivity Period
server_timeout_detail	(Optional) Show Server Timeout
supp_timeout_detail	(Optional) Show Supp Timeout
reauth_period_detail	(Optional) Show Reauth Period
reauth_max_detail	(Optional) Show Reauth Max
max_req_detail	(Optional) Show Max Req
tx_period_detail	(Optional) Show Tx Period

rate_limit_period_detail	(Optional) Show Rate Limit Period
reauth_server_detail	(Optional) Show Reauth Server Enabled Status
mac_auth_bypass_detail	(Optional) Show MAC Auth Bypass Enabled Status
no_of_clients	(Optional) Show Supplicant Clients
port_status_no_clients_detail	(Optional) Show Port Status if there are no clients
supp_mac_addr_detail	(Optional) Show Supplicant MAC Address
auth_domain	(Optional) Show Supplicant Auth Domain
auth_sm_state	(Optional) Show Authenticator SM State
auth_bend_sm_state	(Optional) Show Authenticator Backend State
port_status	(Optional) Show Port Status
authentication_method	(Optional) show authentication method
authenticated_by	(Optional) show authenticated by
reauth_period_client	(Optional) Show Reauth Period
reauth_action	(Optional) Show Reauthentication Action
time_to_next_reauth	(Optional) Show Time to Next Reauth
auth_vlan	(Optional) Show vlan
start_period_detail	(Optional) Show Supplicant Start Period
auth_period_detail	(Optional) Show Supplicant Auth Period
held_period_detail	(Optional) Show Supplicant Held Period
max_start_detail	(Optional) Show Supplicant Max Start
no_of_supp_clients	(Optional) Show Supplicant Clients
auth_mac_addr_detail	(Optional) Show Authenticator MAC Address
supp_sm_state	(Optional) Show Supplicant SM State
supp_bend_sm_state	(Optional) Show Supplicant Backend SM State
supp_port_status	(Optional) Show Supplicant Port Status
pae_type_stat	(Optional) Show PAE Type
rxstart	(Optional) Show Received EAPOL-Start
rxlogoff	(Optional) Show Received EAPOL-Logoff
rxresp	(Optional) Show Received EAP-Response

rxrespid	(Optional) Show Received EAP-ResponseID
rxinvalid	(Optional) Show Received Invalid EAPOL Frame
rxlenerr	(Optional) Show Received EAPOL Bad Length Frame
rxtotal	(Optional) Show Received Total EAPOL Frame
txreq	(Optional) Show Transmitted EAP-Request
txreqid	(Optional) Show Transmitted EAP-RequestID
txtotal	(Optional) Show Transmitted Total EAPOL Frame
rxversion	(Optional) Show Received EAPOL Version
lastrxsourcemac	(Optional) Show Last Source MAC
rxreq	(Optional) Show Received EAP-Request
rxsuppinvalid	(Optional) Show received Invalid EAPOL Frame
rxsupplenerr	(Optional) Show received EAPOL Bad Length Frame
rxsupptotal	(Optional) Show Received Total EAPOL Frame
txstart	(Optional) Show transmitted EAPOL-Start
txlogoff	(Optional) Show transmitted EAPOL-Logoff
txresp	(Optional) Show transmitted EAP-Response
txsupptotal	(Optional) Show transmitted Total EAPOL Frame
rxsuppversion	(Optional) Show Received EAPOL Version
lastrxsrcmac	(Optional) Show Last Soouce MAC received
pae_type_summary	(Optional) Show PAE Type
port_status_no_clients_summary	(Optional) Show Port Status if there are no clients
port_status_summary	(Optional) Show Port Status
supp_port_status_summary	(Optional) Show Port Status
supp_mac_addr	(Optional) Show Supplicant Client MAC Address
auth_mac_addr	(Optional) Show Auth Client MAC Address

Command Mode

- /exec

show dot1x interface client statistics

show dot1x interface <if> client statistics [__readonly__ <if_index_stat> <pae_type_stat> [{ TABLE_mac_address [<macaddr>] [<rxstart>] [<rxlogoff>] [<rxresp>] [<rxrespid>] [<rxinvalid>] [<rxlenerr>] [<rxtotal>] [<txreq>] [<txreqid>] [<txtotal>] [<rxversion>] [<lastrxsourcemac>] }] [<spurious_rxstart>] [<spurious_rxlogoff>] [<spurious_rxresp>] [<spurious_rxrespid>] [<spurious_rxinvalid>] [<spurious_rxlenerr>] [<spurious_rxtotal>] [<spurious_txreq>] [<spurious_txreqid>] [<spurious_txtotal>] [<spurious_rxversion>] [<spurious_lastrxsourcemac>]]

Syntax Description

dot1x	dot1x configuration commands
if	
client	802.1x client
statistics	802.1x statistics
__readonly__	(Optional)
TABLE_mac_address	(Optional)
if_index_stat	(Optional) Interface Index
pae_type_stat	(Optional) Show PAE Type
macaddr	(Optional) mac-address of the client
rxstart	(Optional) Show Received EAPOL-Start
rxlogoff	(Optional) Show Received EAPOL-Logoff
rxresp	(Optional) Show Received EAP-Response
rxrespid	(Optional) Show Received EAP-ResponseID
rxinvalid	(Optional) Show Received Invalid EAPOL Frame
rxlenerr	(Optional) Show Received EAPOL Bad Length Frame
rxtotal	(Optional) Show Received Total EAPOL Frame
txreq	(Optional) Show Transmitted EAP-Request
txreqid	(Optional) Show Transmitted EAP-RequestID
txtotal	(Optional) Show Transmitted Total EAPOL Frame
rxversion	(Optional) Show Received EAPOL Version
lastrxsourcemac	(Optional) Show Last Source MAC
spurious_rxstart	(Optional) Show Received EAPOL-Start of spurious macs

spurious_rxlogoff	(Optional) Show Received EAPOL-Logoff of spurious macs
spurious_rxresp	(Optional) Show Received EAP-Response of spurious macs
spurious_rxrespid	(Optional) Show Received EAP-ResponseID of spurious macs
spurious_rxinvalid	(Optional) Show Received Invalid EAPOL Frame of spurious macs
spurious_rxlenerr	(Optional) Show Received EAPOL Bad Length Frame of spurious macs
spurious_rxtotal	(Optional) Show Received Total EAPOL Frame of spurious macs
spurious_txreq	(Optional) Show Transmitted EAP-Request of spurious macs
spurious_txreqid	(Optional) Show Transmitted EAP-RequestID of spurious macs
spurious_txtotal	(Optional) Show Transmitted Total EAPOL Frame of spurious macs
spurious_rxversion	(Optional) Show Received EAPOL Version of spurious macs
spurious_lastrxsourcemac	(Optional) Show Last Source MAC of spurious macs

Command Mode

- /exec

show dot1x interface client statistics address

show dot1x interface <if> client statistics address <mac-address> [__readonly__ <if_index_stat> <pae_type_stat> [<rxstart>] [<rxlogoff>] [<rxresp>] [<rxrespid>] [<rxinvalid>] [<rxlenerr>] [<rxtotal>] [<txreq>] [<txreqid>] [<txtotal>] [<rxversion>] [<lastrxsourcemac>]]

Syntax Description

dot1x	dot1x configuration commands
if	
client	802.1x client
statistics	802.1x statistics
address	802.1x client address
mac-address	mac address EE:EE:EE:EE:EE:EE
__readonly__	(Optional)
if_index_stat	(Optional) Interface Index
pae_type_stat	(Optional) Show PAE Type
rxstart	(Optional) Show Received EAPOL-Start
rxlogoff	(Optional) Show Received EAPOL-Logoff
rxresp	(Optional) Show Received EAP-Response
rxrespid	(Optional) Show Received EAP-ResponseID
rxinvalid	(Optional) Show Received Invalid EAPOL Frame
rxlenerr	(Optional) Show Received EAPOL Bad Length Frame
rxtotal	(Optional) Show Received Total EAPOL Frame
txreq	(Optional) Show Transmitted EAP-Request
txreqid	(Optional) Show Transmitted EAP-RequestID
txtotal	(Optional) Show Transmitted Total EAPOL Frame
rxversion	(Optional) Show Received EAPOL Version
lastrxsourcemac	(Optional) Show Last Source MAC

Command Mode

- /exec

show dot1x supplicant

show dot1x supplicant

Syntax Description

dot1x	dot1x configuration commands
supplicant	802.1x supplicant

Command Mode

- /exec

show dot1x supplicant interface

{ show dot1x supplicant interface <if> } | { show dot1x supplicant interface <if> details } | { show dot1x supplicant interface <if> summary } | { show dot1x supplicant interface <if> statistics }

Syntax Description

dot1x	dot1x configuration commands
supplicant	802.1x supplicant
if	
details	802.1x details
statistics	802.1x statistics
summary	802.1x summary

Command Mode

- /exec

E Show Commands

- show ecp, on page 390
- show elam report, on page 392
- show email, on page 393
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- show environment, on page 395
- show eol status, on page 401
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show ecp

show ecp [detail] [__readonly__ <ecp_rte> <ecp_retries> [<ecp_mode>] <ecp_cnt_rx_pkt> <ecp_cnt_tx_pkt> [{ TABLE_ecp_plugin <plugin_id> <plugin_desc> <plugin_status> }] [{ TABLE_ecp_session <session_id> <session_interface> <session_svlan> [<session_peer_mac>] <session_rx_seq> <session_tx_seq> [<session_cnt_rx_pkt>] [<session_cnt_rx_dup>] [<session_cnt_rx_drop>] [<session_cnt_tx_pkt>] [<session_cnt_tx_retry>] [<session_cnt_tx_err>] }]]

Syntax Description

show	Show running system information
ecp	ECP (Edge Control Protocol)
detail	(Optional) Detailed information
__readonly__	(Optional)
ecp_rte	(Optional) Retransmission timer init exponent
ecp_retries	(Optional) Maximal number of retransmissions
ecp_mode	(Optional) ECP mode
ecp_cnt_rx_pkt	(Optional) No. received packet
ecp_cnt_tx_pkt	(Optional) No. trasmitted packet
TABLE_ecp_plugin	(Optional) ECP plugin table
plugin_id	(Optional) Plugin id
plugin_desc	(Optional) Plugin description
plugin_status	(Optional) Plugin status
TABLE_ecp_session	(Optional) ECP session table
session_id	(Optional) Session id
session_svlan	(Optional) S-Vlan
session_peer_mac	(Optional) Peer mac
session_interface	(Optional) Interface
session_rx_seq	(Optional) Receive sequence
session_tx_seq	(Optional) Transmit sequence
session_cnt_rx_pkt	(Optional) No. receive packet
session_cnt_rx_dup	(Optional) No. receive duplicate
session_cnt_rx_drop	(Optional) No. receive drop

session_cnt_tx_pkt	(Optional) No. transmit packet
session_cnt_tx_retry	(Optional) No. transmit retry
session_cnt_tx_err	(Optional) No. transmit error

Command Mode

- /exec

show elam report

show elam report [l2 | l3 | l4 | aclqos | mcast] [detail | summary]

Syntax Description

show	Show running system information
elam	elam
report	Show ELAM report
l2	(Optional) Layer 2 header report
l3	(Optional) Layer 3 header report
l4	(Optional) Layer 4 header report
aclqos	(Optional) Aclqos report
mcast	(Optional) Multicast report
detail	(Optional) Detailed report
summary	(Optional) Summary of the report

Command Mode

- /exec

show email

show email [__readonly__ [<ipv4>] [<ipv6>] [<host>] [<port>] [<reply>] [<from>] [<vrfname>]]

Syntax Description

show	Show running system information
email	Pipe email configuration
__readonly__	(Optional)
ipv4	(Optional)
host	(Optional)
port	(Optional)
reply	(Optional)
from	(Optional)
vrfname	(Optional)

Command Mode

- /exec

show encryption service stat

show encryption service stat [__readonly__ [<encryptionService> <MasterKeyEncryption> <Type6Encryption>]]

Syntax Description

show	Show running system information
encryption	Encryption service
service	Encryption service
stat	Encrytpin service status
__readonly__	(Optional)
encryptionService	(Optional) Encryption service status
MasterKeyEncryption	(Optional) Master key status
Type6Encryption	(Optional) Is type 6 encryption used?

Command Mode

- /exec

show environment

show environment [fan [detail1] | power [detail] [ampere] [input] | temperature [module <module> | <s0> <santa-cruz-range> | psu]] [__readonly__ [{ TABLE_clockinfo <clockname> <clkmodel> <clkhwver> <clkstatus> <act_standby> }] [{ fandetails [{ TABLE_faninfo <fanname> <fanmodel> <fanhwver> <fandir> <fanstatus> }] { TABLE_fan_zone_speed <zone> <zonespeed> } <fan_filter_status> [{ TABLE_fantray <fanname> <trayfannum> <fandir> <fanperc> <fanrpm> }] [{ TABLE_psufan <fanname> <fan1rpm> <fan2rpm> }] }] [{ powersup <voltage_level> { TABLE_psinfo <psnum> <psmodel> [<actual_out>] [<actual_input>] [<tot_capa>] [<input_type>] [<watts>] [<amps>] [<ps_status>] [<ps_status_3k>] } [{ TABLE_mod_pow_info <modnum> <mod_model> [<actual_draw>] [<allocated>] [<watts_requested>] [<amps_requested>] [<watts_alloced>] [<amps_alloced>] [<modstatus>] [<modstatus_3k>] }] [{ power_summary [<ps_redun_mode>] [<ps_redun_mode_3k>] [<ps_oper_mode>] [<ps_redun_op_mode>] <tot_pow_capacity> [<tot_gridA_capacity>] [<tot_gridB_capacity>] [<cumulative_power>] [<tot_pow_out_actual_draw>] [<tot_pow_input_actual_draw>] [<tot_pow_alloc_budgeted>] [<reserve_sup>] [<pow_used_by_mods>] <available_pow> }] [{ powersup_detail <reserve_sup> <reserve_xbar> <reserve_fan> <reserve_supxbarfan> <pow_used_by_mods> }] <all_inlets_connected> [{ TABLE_ps_detail_info <det_name> <det_total_cap> <det_volt> <det_pintot> [<det_pina>] <det_vin> <det_iin> <det_pout> <det_vout> <det_iout> [<det_pinb>] [<det_iinb>] [<det_vinb>] [<det_cord>] <det_sw_alarm> [{ TABLE_det_hw_alarm_regval <regnum> <regval> }] [{ TABLE_det_hw_alarm_str <regnumstr> <bitnumstr> <alarm_str> }] }] [{ TABLE_psinputinfo_n3k <ps_slot> <ps_input_voltage> <ps_input_current> <ps_in_power> <ps_output_voltage> <ps_output_current> <ps_state> }] }] [{ fandetails_3k [{ TABLE_faninfo <fanname> <fanmodel> <fanhwver> <fandir> <fanstatus> }] { TABLE_fan_zone_speed <zone> <speed> } <fan_filter_status> [{ TABLE_fantray <fanname> <fannum> <fandir> <fanperc> <fanrpm> }] [{ TABLE_psufan <fanname> <fan1rpm> <fan2rpm> }] }] [{ TABLE_tempinfo <tempmod> <sensor> <majthres> <minthres> <curtemp> <alarmstatus> [<temptype>] }] [{ TABLE_psutempinfo <psumod> <inlet_temp> <outlet_temp> <heatsink_temp> }]]

Syntax Description

show	Show running system information
environment	system environment information
fan	(Optional) Fan information
power	(Optional) Power capacity and power distribution information
detail	(Optional) Detail Fan-tray information when used with Fan. Detail Power capacity and power distribution information when used with Power
detail1	(Optional) Detail Fan-tray information when used with Fan
ampere	(Optional) Ampere Power capacity and power distribution information
input	(Optional) Power supply power input
temperature	(Optional) temperature sensor information
module	(Optional) enter a module number
module	(Optional) please enter the module number
s0	(Optional) xbar

santa-cruz-range	(Optional) please enter the xbar number
psu	(Optional) psu temperature
__readonly__	(Optional)
TABLE_clockinfo	(Optional) Environment Clock
clockname	(Optional) Clock Instance (A or B)
clkmodel	(Optional) Model number of clock
clkhwver	(Optional) Hardware version of the clock
clkstatus	(Optional) Present/Absent Status of the clock
act_standby	(Optional) Active/Standby Status of clock
fandetails	(Optional) Environment Fan
TABLE_faninfo	(Optional) Fan Info
fanname	(Optional) Fan Instance
fanmodel	(Optional) Model number of fan
fanhwver	(Optional) Hardware version of the fan
fandir	(Optional) Air-flow direction of the fan-tray
fanstatus	(Optional) Present/Absent Status of the fan
TABLE_fan_zone_speed	(Optional) Fan Zone Speeds
zone	(Optional) Zone Number
zonespeed	(Optional) Zone Speed
fan_filter_status	(Optional) Present/Absent Status of fan filter
TABLE_fantray	(Optional) Fan Tray Details table
fanname	(Optional) Fan Tray Instance
trayfannum	(Optional) Fan number in the tray
fandir	(Optional) Air-flow direction of the fan-tray
fanperc	(Optional) FAN Speed percentage
fanrpm	(Optional) FAN Speed RPM
TABLE_psufan	(Optional) PSU Fan Details table
fanname	(Optional) PSU Fan Instance
fan1rpm	(Optional) FAN1 Speed RPM

fan2rpm	(Optional) FAN2 Speed RPM
fandetails_3k	(Optional) Environment Fan
TABLE_faninfo	(Optional) Fan Info
fanname	(Optional) Fan Instance
fanmodel	(Optional) Model number of fan
fanhwver	(Optional) Hardware version of the fan
fandir	(Optional) Air-flow direction of the fan-tray
fanstatus	(Optional) Present/Absent Status of the fan
TABLE_fan_zone_speed	(Optional) Fan Zone Speeds
zone	(Optional) Zone Number
speed	(Optional) Zone Speed
fan_filter_status	(Optional) Present/Absent Status of fan filter
TABLE_fantray	(Optional) Fan Tray Details table
fanname	(Optional) Fan Tray Instance
fannum	(Optional) Fan number in the tray
fandir	(Optional) Air-flow direction of the fan-tray
fanperc	(Optional) FAN Speed percentage
fanrpm	(Optional) FAN Speed RPM
TABLE_psufan	(Optional) PSU Fan Details table
fanname	(Optional) PSU Fan Instance
fan1rpm	(Optional) FAN1 Speed RPM
fan2rpm	(Optional) FAN2 Speed RPM
powersup	(Optional) Environment Power
voltage_level	(Optional) Voltage Level
TABLE_psinfo	(Optional) Power Supply Info
psnum	(Optional) Power Supply Number
psmodel	(Optional) Power Supply Model
actual_out	(Optional) Actual Output
actual_input	(Optional) Actual Input

tot_capa	(Optional) Total Capacity
input_type	(Optional) Power Supply Input Type
watts	(Optional) Power in Watts
amps	(Optional) Power in Amps
ps_status	(Optional) Power Supply Status
ps_status_3k	(Optional) Power Supply Status
TABLE_mod_pow_info	(Optional) Module Power Info
modnum	(Optional) Module number
mod_model	(Optional) Model ProductID number
actual_draw	(Optional) Actual Draw
allocated	(Optional) Power allocated
watts_requested	(Optional) Power requested in Watts
amps_requested	(Optional) Power requested in Amps
watts_alloced	(Optional) Power allocated in Watts
amps_alloced	(Optional) Power allocated in Amps
modstatus	(Optional) Module Status
modstatus_3k	(Optional) Module status
power_summary	(Optional) Power Usage Summary
ps_redun_mode	(Optional) Mode: Redundant or Non-redundant
ps_redun_mode_3k	(Optional) Mode: Redundant or Non-redundant
ps_redun_op_mode	(Optional) Operational mode: Redundant or Non-redundant
ps_oper_mode	(Optional) Operational Mode
tot_pow_capacity	(Optional) Total Power Capacity
tot_gridA_capacity	(Optional) Total Grid-A Capacity
tot_gridB_capacity	(Optional) Total Grid-B Capacity
cumulative_power	(Optional) Total Power of all Inputs
tot_pow_out_actual_draw	(Optional) Total Power Output, Actuals
tot_pow_input_actual_draw	(Optional) Total Power Input, Actuals
tot_pow_alloc_budgeted	(Optional) Total Power Allocated/budgeted

reserve_sup	(Optional) Power reserved for Supervisors
pow_used_by_mods	(Optional) Power currently used by Modules
available_pow	(Optional) Remaining Power Available
powersup_detail	(Optional) PowerSupply Details
reserve_sup	(Optional) Power reserved for Supervisors
reserve_xbar	(Optional) Power reserved for Xbars
reserve_fan	(Optional) Power reserved for Fans
reserve_supxbarfan	(Optional) Total Power reserved for Sups,Xbars,Fans
pow_used_by_mods	(Optional) Power currently used by Modules
all_inlets_connected	(Optional) Are all inlet cords connected
TABLE_ps_detail_info	(Optional) Power supply detail information
det_name	(Optional) Power supply name
det_total_cap	(Optional) Power supply total capacity
det_volt	(Optional) Power supply voltage
det_pintot	(Optional) Power supply pin A total power
det_pina	(Optional) PS pin A
det_vin	(Optional) PS Vin
det_iin	(Optional) PS Iin
det_pout	(Optional) PS Power out
det_vout	(Optional) PS voltaget out
det_iout	(Optional) PS current in
det_pinb	(Optional) PS pin B
det_iinb	(Optional) PS Iin B
det_vinb	(Optional) PS Vin B
det_cord	(Optional) PS cord
det_sw_alarm	(Optional) PS software alarm
TABLE_det_hw_alarm_regval	(Optional) PS hardware alarm
regnum	(Optional) HW alarm register
regval	(Optional) Alarm reg value

TABLE_det_hw_alarm_str	(Optional) PS Hardware alarm string
regnumstr	(Optional) Alarm reg number
bitnumstr	(Optional) Alarm register bit
alarm_str	(Optional) Alarm cause
TABLE_psinputinfo_n3k	(Optional) Power Supply power input
ps_slot	(Optional) Power Supply Number
ps_input_voltage	(Optional) Power Supply input volatage
ps_input_current	(Optional) Power Supply input current
ps_in_power	(Optional) Power Supply input power
ps_output_voltage	(Optional) Power Supply output volatage
ps_output_current	(Optional) Power Supply output current
ps_state	(Optional) Power Supply status
TABLE_tempinfo	(Optional) Environment Temperature
tempmod	(Optional) Module
sensor	(Optional) Sensor name
majthres	(Optional) Major Threshold
minthres	(Optional) Minor Threshold
curtemp	(Optional) Current temperature
alarmstatus	(Optional) Alarm Status
temptype	(Optional) Control or Monitor temparature
TABLE_psutempinfo	(Optional) PSU temperature info table
psumod	(Optional) PSU Module
inlet_temp	(Optional) Inlet Temperature
outlet_temp	(Optional) Outlet Temperature
heatsink_temp	(Optional) Heatsink Temperature

Command Mode

- /exec

show eol status

show eol status

Syntax Description

show	Show running system information
eol	last
status	

Command Mode

- /exec

show errdisable detect

show errdisable { detect | recovery } [__readonly__ TABLE_errdisable <cause> <state> [<time_interval>]]

Syntax Description

show	Show running system information
errdisable	Error disable
detect	Show errdisable detect
recovery	Show errdisable recovery
__readonly__	(Optional) Read Only
TABLE_errdisable	(Optional) show errdisable
cause	(Optional) errdisable cause
state	(Optional) Interface state
time_interval	(Optional) err revovery time interval

Command Mode

- /exec

show errdisable flap

show errdisable flap

Syntax Description

show	Show running system information
errdisable	Error disable
flap	linkstate flapping

Command Mode

- /exec

show evb

show evb [__readonly__ <evb_role> <evb_vdp_mac> [<evb_cisco_mac>] [<evb_user_mac>] <evb_rwd> <evb_rka> <evb_cnt_recv_vdpdu> <evb_cnt_drop_vdpdu> <evb_cnt_recv_tlv> <evb_cnt_recv_mgr_tlv> <evb_cnt_recv_assoc_tlv> <evb_cnt_recv_cmd>]

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
__readonly__	(Optional)
evb_role	(Optional) EVB role
evb_vdp_mac	(Optional) VDP Mac address
evb_cisco_mac	(Optional) Cisco Mac address
evb_user_mac	(Optional) User mac address
evb_rwd	(Optional) Resource wait init exponent
evb_rka	(Optional) Keep-alive init exponent
evb_cnt_recv_vdpdu	(Optional) No. received vdpdu
evb_cnt_drop_vdpdu	(Optional) No. dropped vdpdu
evb_cnt_recv_tlv	(Optional) No. received tlv
evb_cnt_recv_mgr_tlv	(Optional) No. received mgr tlv
evb_cnt_recv_assoc_tlv	(Optional) No. received assoc tlv
evb_cnt_recv_cmd	(Optional) No. received commands

Command Mode

- /exec

show evb hosts

show evb hosts [{ summary | detail | internal-info }] [{ [mac <mac-addr> | interface <intf-name> | vlan <vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr> | name <host-name>] + }] [__readonly__ <evb_cnt_host> <evb_cnt_assoc_vsi> [{ TABLE_evb_host <host_row_id> <host_name> [<host_uuid>] [{ TABLE_evb_vsi <vsi_row_id> <mgr_id> <vsi_id> [<vsi_host_name>] <interface> [<vpc>] [<s_channel>] [<station_mac>] [<m_state>] [<e_state>] [<reason>] [<timer>] [<profile_id>] [{ TABLE_evb_vsi_filter <filter_row_id> [<filter_group>] [<filter_vid>] [<filter_bd>] [<filter_mac>] [<filter_ip>] }] }] }]]

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
hosts	Host information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	(Optional) Display detailed and internal information
mac	(Optional) Display hosts by MAC address
mac-addr	(Optional) MAC Address
interface	(Optional) Display hosts by interface
intf-name	(Optional) Interface name
vlan	(Optional) Display hosts by VLAN
vlan-id	(Optional) VLAN ID
vni	(Optional) Display hosts by Virtual Network Identifier
vni-id	(Optional) VNI
ip	(Optional) Display hosts by IP address
ipv6	(Optional) Display hosts by IPv6 address
ip-addr	(Optional) IP address
name	(Optional) Display hosts by host name
host-name	(Optional) Host name substring
__readonly__	(Optional)
evb_cnt_host	(Optional) No. host entries
evb_cnt_assoc_vsi	(Optional) No. associated VSI entires

TABLE_evb_host	(Optional) EVB host table
host_row_id	(Optional) Host row id
host_name	(Optional) Host name
host_uuid	(Optional) Host uuid
TABLE_evb_vsi	(Optional) EVB vsi table
vsi_row_id	(Optional) VSI row id
mgr_id	(Optional) Manager id
vsi_id	(Optional) VSI id
vsi_host_name	(Optional) Host name
interface	(Optional) Interface
vpc	(Optional) VPC
s_channel	(Optional) S-Channel
station_mac	(Optional) Station mac address
profile_id	(Optional) Profile id
m_state	(Optional) Machine state
e_state	(Optional) Entry state
reason	(Optional) State reaon
timer	(Optional) Countdown timer
TABLE_evb_vsi_filter	(Optional) EVB filter table
filter_row_id	(Optional) Filter row id
filter_group	(Optional) Group id
filter_vid	(Optional) Vlan id
filter_bd	(Optional) Bridge-domain id
filter_mac	(Optional) Mac address
filter_ip	(Optional) IP address

Command Mode

- /exec

show evb interface

show evb interface [<intf-name>]

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
interface	Display interface information
intf-name	(Optional) Interface name

Command Mode

- /exec

show evb vsi

show evb vsi [{ summary | detail | internal-info }] [{ [mac <mac-addr> | interface <intf-name> | vlan <vlan-id> | vni <vni-id> | ip <ip-addr> | ipv6 <ipv6-addr>] + }] [__readonly__ <evb_cnt_vsi> <evb_cnt_assoc_vsi> [{ TABLE_evb_vsi <vsi_row_id> <mgr_id> <vsi_id> [<vsi_host_name>] <interface> [<vpc>] [<s_channel>] [<station_mac>] [<m_state>] [<e_state>] [<reason>] [<timer>] [<profile_id>] [{ TABLE_evb_vsi_filter <filter_row_id> [<filter_group>] [<filter_vid>] [<filter_bd>] [<filter_mac>] [<filter_ip>] }] }]]

Syntax Description

show	Show running system information
evb	EVB (Edge Virtual Bridge)
vsi	Virtual Station Interface (VSI) information
summary	(Optional) Display summary information
detail	(Optional) Display detailed information
internal-info	(Optional) Display detailed and internal information
mac	(Optional) Display VSI by MAC address
mac-addr	(Optional) MAC Address
interface	(Optional) Display VSI by interface
intf-name	(Optional) Interface name
vlan	(Optional) Display VSI by VLAN
vlan-id	(Optional) VLAN ID
vni	(Optional) Display VSI by Virtual Network Identifier
vni-id	(Optional) VNI
ip	(Optional) Display VSI by IP address
ipv6	(Optional) Display VSI by IPv6 address
ip-addr	(Optional) IP address
__readonly__	(Optional)
evb_cnt_vsi	(Optional) No. VSI entries
evb_cnt_assoc_vsi	(Optional) No. associated VSI entires
TABLE_evb_vsi	(Optional) EVB vsi table
vsi_row_id	(Optional) VSI row id

mgr_id	(Optional) Manager id
vsi_id	(Optional) VSI id
vsi_host_name	(Optional) Host name
interface	(Optional) Interface
vpc	(Optional) VPC
s_channel	(Optional) S-Channel
station_mac	(Optional) Station mac address
profile_id	(Optional) Profile id
m_state	(Optional) Machine state
e_state	(Optional) Entry state
reason	(Optional) State reaon
timer	(Optional) Countdown timer
TABLE_evb_vsi_filter	(Optional) EVB filter table
filter_row_id	(Optional) Filter row id
filter_group	(Optional) Group id
filter_vid	(Optional) Vlan id
filter_bd	(Optional) Bridge-domain id
filter_mac	(Optional) Mac address
filter_ip	(Optional) IP address

Command Mode

- /exec

show event-history

show event-history

Syntax Description

show	Show running system information
event-history	show switch wide event history configuration

Command Mode

- /exec

show event-history xbar

show event-history xbar

Syntax Description

show	Show running system information
event-history	show switch wide event history configuration
xbar	Show all event-history debugging flags of xbar

Command Mode

- /exec

show event manager environment

show event manager environment { all | <varname> } [__readonly__ <environment-details>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
environment	Show information about environment variables
all	Show information about all the configured environment variables
varname	The environment variable name on which information is required
__readonly__	(Optional)
environment-details	(Optional) Show information about environment variables

Command Mode

- /exec

show event manager event-types

show event manager event-types [all | <event-type-name>] [module <module-id>] [__readonly__ { <event-types> }]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
event-types	Show information about registered event types
all	(Optional) Show information about advanced event types as well
event-type-name	(Optional) Show information about the specified event type
module	(Optional) Show information about event types on other modules
module-id	(Optional) Module Id
__readonly__	(Optional)
event-types	(Optional) Show information about registered event types

Command Mode

- /exec

show event manager events action-log

show event manager events action-log [policy <policy-name> | event-type <event-type-name>] [__readonly__ { <action-log-data> }]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
events	Show information about the history of past events
action-log	Show policy action logs
policy	(Optional) Name of policy
policy-name	(Optional) Enter policy name
event-type	(Optional) Name of event
event-type-name	(Optional) Enter event type
__readonly__	(Optional)
action-log-data	(Optional) Show information about the policy action logs

Command Mode

- /exec

show event manager history events

show event manager history events [detail] [maximum <n-events>] [severity <sev>] [__readonly__ { <history-events> }]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
history	Show information about the history of past activity
events	Show information about the history of past events
detail	(Optional) Show information about the event parameters as well
maximum	(Optional) Specify an upper limit on the number of events to be shown
n-events	(Optional) Specify the maximum number of events to be shown
severity	(Optional) Show only those events whose severity is >= specified severity
sev	(Optional) Enter the severity threshold
__readonly__	(Optional)
history-events	(Optional) Show information about the history of past events

Command Mode

- /exec

show event manager policy-state

show event manager policy-state <name> [module <module-id>] [__readonly__ { <policy-state> }]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
policy-state	Show information about the state of a policy
name	Name of the policy
module	(Optional) Get the information from a module
module-id	(Optional) Module Id
__readonly__	(Optional)
policy-state	(Optional) Show information about the state of a policy

Command Mode

- /exec

show event manager script system

show event manager script system { all | <script-name> } [__readonly__ <script_system_details>]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
script	Show information about a script policy
system	Show information about a system script policy
all	Show all the available system script policies
script-name	Name of the system script policy
__readonly__	(Optional)
script_system_details	(Optional) Show Information about system script policies

Command Mode

- /exec

show event manager system-policy

show event manager system-policy [all | <policy-name>] [__readonly__ { <sys-pol-details> }]

Syntax Description

show	Show running system information
event	Event Manager commands
manager	Event Manager commands
system-policy	Show information about default system policies
all	(Optional) Show all policies (including advanced and non-overridable ones)
policy-name	(Optional) Show detailed information about the specified policy
__readonly__	(Optional)
sys-pol-details	(Optional) Show information about default system policies(including advanced and non-overridable ones

Command Mode

- /exec

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show fabric database dci

show fabric database dci [{ vrf <vrf-name> [peer-id <peer-ip-address>] [detail] }]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
dci	DCI Profile Database
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
peer-id	(Optional) management ip address of peer
peer-ip-address	(Optional) IP address in CIDR format
detail	(Optional) Show detailed information

Command Mode

- /exec

show fabric database dci

show fabric database dci [{ vrf { <vrf-name> | <vrf-known-name> } [peer-id <peer-ip-address>] [detail] }] [__readonly__ [TABLE_database_dci <vrf_name> <state> <flags> <profile> <instance>] [TABLE_database_dci_detail <packet_arrival_time> <sent_to_database_manager_at> <received_parameters_from_database_manager_at> <sent_apply_to_configuration_manager_at> <completed_executing_all_commands_at> <sent_un_apply_to_configuration_manager_at> <completed_unapplying_all_commands_at>]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
dci	DCI Profile Database
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
peer-id	(Optional) management ip address of peer
peer-ip-address	(Optional) IP address in CIDR format
detail	(Optional) Show detailed information
__readonly__	(Optional) Read Only
TABLE_database_dci	(Optional) table show fabric database dci
vrf_name	(Optional)
state	(Optional)
flags	(Optional)
profile	(Optional)
instance	(Optional)
TABLE_database_dci_detail	(Optional) detail for table show fabric database dci
packet_arrival_time	(Optional) Profile request time
sent_to_database_manager_at	(Optional) Profile request sent to DCNM
received_parameters_from_database_manager_at	(Optional) Profile downloaded from DCNM
sent_apply_to_configuration_manager_at	(Optional) Profile sent to PPM to apply

completed_executing_all_commands_at	(Optional) Profile applied by PPM
sent_un_apply_to_configuration_manager_at	(Optional) Profile un-apply sent to PPM
completed_unapplying_all_commands_at	(Optional) Profile un-applied by PPM

Command Mode

- /exec

show fabric database host

show fabric database host [detail] [{ vni <vni-id> } | { dot1q <vlan-id> }] [__readonly__ [TABLE_database_host [<trigger_source>] [<client_type>] [<got_trigger_at>] [<number_of_client_hosts>] [<number_of_associated_interfaces>] [<profile_be_un_applied_in_seconds>] [<new_vdp_requests_be_accepted_in_seconds>] [<recovered_profile_be_checked_for_validity_in_seconds>] [<mac_aging_checked_in_seconds>] [<sent_to_database_manager_at>] [<received_parameters_from_database_manager_at>] [<displaying_parameters_for_profile>] [<displaying_parameters_for_instance>] [<no_parameters_for_the_profile>] [<displaying_re_written_parameters_for_vpc_role>] [TABLE_parameter [<parameter_index>] [<parameter>]] [TABLE_static_profile <profile> <instance> <no_parameters_for_the_profile>] [TABLE_migrated_profile <profile> <instance_index> <previous_profile> <previous_instance_index>] [TABLE_rollback_profile <profile> <instance_index>] [<got_vlan_allocated_from_vlan_manager_at>] [<sent_apply_to_configuration_manager_at>] [<completed_executing_all_commands_at>] [<sent_to_vpc_peer_at>] [<completed_executing_all_commands_on_vpc_peer_at>] [<sent_un_apply_to_configuration_manager_at>] [<completed_unapplying_all_commands_at>]] [TABLE_database_host_vni { [<vni_id>] [<vlan_id>] [<state> <flag> <profile_name> <instance_name>] [<packet_arrival_time> <request_profile_time> <got_profile_time> <sent_to_PPM_time> <profile_apply_time> <del_to_PPM_time>] [{ TABLE_database_host_detail <interface> <encap> <flags> <state> [<vsi_id>] [<client>] [<host>] }] }] [TABLE_database_host_vlan { [<vlan_id>] [<vni_id>] [<state> <flag> <profile_name> <instance_name>] [<packet_arrival_time> <request_profile_time> <got_profile_time> <sent_to_PPM_time> <profile_apply_time> <del_to_PPM_time>] [{ TABLE_database_host_detail <interface> <encap> <flags> <state> [<vsi_id>] }] }] [TABLE_extranet_vrf_entries { <vrf> <l3_vni> <state> <profile> <instance> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Host to profile mapping
detail	(Optional) Show hosts and interfaces
vni	(Optional) Virtual Network Identifier
vni-id	(Optional)
dot1q	(Optional) Dot1Q Encapsulation
vlan-id	(Optional)
__readonly__	(Optional) Read Only
TABLE_database_host	(Optional) table show fabric database host {dot1q | vni}
trigger_source	(Optional) TODO
client_type	(Optional) TODO

got_trigger_at	(Optional) TODO
number_of_client_hosts	(Optional) TODO
number_of_associated_interfaces	(Optional) TODO
profile_be_un_applied_in_seconds	(Optional) TODO
new_vdp_requests_be_accepted_in_seconds	(Optional) TODO
recovered_profile_be_checked_for_validity_in_seconds	(Optional) TODO
mac_aging_checked_in_seconds	(Optional) TODO
sent_to_database_manager_at	(Optional) TODO
received_parameters_from_database_manager_at	(Optional) TODO
displaying_parameters_for_profile	(Optional) TODO
displaying_parameters_for_instance	(Optional) TODO
no_parameters_for_the_profile	(Optional) TODO
displaying_re_written_parameters_for_vpc_role	(Optional) TODO
TABLE_parameter	(Optional) table show the parameters
parameter_index	(Optional) TODO
parameter	(Optional) TODO
TABLE_static_profile	(Optional) show static profile
profile	(Optional) TODO
instance	(Optional) TODO
no_parameters_for_the_profile	(Optional) TODO
TABLE_migrated_profile	(Optional) show migrated profile
profile	(Optional) TODO
instance_index	(Optional) TODO
previous_profile	(Optional) TODO
previous_instance_index	(Optional) TODO
TABLE_rollback_profile	(Optional) show rollback profile
profile	(Optional) TODO
instance_index	(Optional) TODO
got_vlan_allocated_from_vlan_manager_at	(Optional) TODO

sent_apply_to_configuration_manager_at	(Optional) TODO
completed_executing_all_commands_at	(Optional) TODO
sent_to_vpc_peer_at	(Optional) TODO
completed_executing_all_commands_on_vpc_peer_at	(Optional) TODO
sent_un_apply_to_configuration_manager_at	(Optional) TODO
completed_unapplying_all_commands_at	(Optional) TODO
TABLE_database_host_vni	(Optional) table show fabric database host vni based
vni_id	(Optional) TODO Add comment
vlan_id	(Optional) TODO Add comment
state	(Optional) TODO Add comment
flag	(Optional) TODO
profile_name	(Optional) TODO
instance_name	(Optional) TODO
packet_arrival_time	(Optional) TODO
request_profile_time	(Optional) TODO
got_profile_time	(Optional) TODO
sent_to_PPM_time	(Optional) TODO
profile_apply_time	(Optional) TODO
del_to_PPM_time	(Optional) TODO
TABLE_database_host_detail	(Optional) table show fabric database host detail
interface	(Optional) TODO
encap	(Optional) TODO
flags	(Optional) TODO
state	(Optional) TODO
vsi_id	(Optional) TODO
client	(Optional) TODO
host	(Optional) TODO
TABLE_database_host_vlan	(Optional) table show fabric database host vlan based
vlan_id	(Optional) TODO Add comment

vni_id	(Optional) TODO Add comment
state	(Optional) TODO Add comment
flag	(Optional) TODO
profile_name	(Optional) TODO
instance_name	(Optional) TODO
packet_arrival_time	(Optional) TODO
request_profile_time	(Optional) TODO
got_profile_time	(Optional) TODO
sent_to_PPM_time	(Optional) TODO
profile_apply_time	(Optional) TODO
del_to_PPM_time	(Optional) TODO
TABLE_database_host_detail	(Optional) table show fabric database host detail
interface	(Optional) TODO
encap	(Optional) TODO
flags	(Optional) TODO
state	(Optional) TODO
vsi_id	(Optional) TODO
TABLE_extranet_vrf_entries	(Optional) table extranet VRF entries
vrf	(Optional) TODO
l3_vni	(Optional) TODO
state	(Optional) TODO
profile	(Optional) TODO
instance	(Optional) TODO

Command Mode

- /exec

show fabric database host statistics

show fabric database host statistics [__readonly__ [TABLE_database_host_statistics { [<data_snoop_triggers>] [<data_snoop_deletes>] [<data_snoop_responses>] [<vdp_association_requests>] [<vdp_deassociation_requests>] [<vdp_association_responses>] [<vdp_error_responses>] [<unsupported_interfaces>] [<no_profile_map_errors>] [<outstanding_delete_retry_add>] [<duplicate_add_existing_host>] [<hmm_api_error_cannot_add_host>] [<existing_profile_new_host>] [<profile_apply_from_vpc_peer>] [<profile_un_apply_from_vpc_peer>] [<host_apply_from_vpc_peer>] [<host_un_apply_from_vpc_peer>] [<early_delete_cancel_add>] [<dhcp_requests>] [<dhcp_responses>] [<dhcp_error_responses>] [<adbm_requests>] [<adbm_responses>] [<adbm_error_responses>] [<adbm_error_requests>] [<adbm_db_notifications>] [<vnseg_no_bridge_domain>] [<vnseg_encap_responses>] [<vnseg_vni_responses>] [<vnseg_unknown_responses>] [<vnseg_bd_down_notif>] [<bd_mgr_requests>] [<bd_mgr_success_responses>] [<bd_mgr_failure_responses>] [<bd_mgr_unreserve>] [<bd_mgr_inconsistencies>] [<no_mac_on_bd_notif>] [<refresh_failures>] [<profile_apply_received>] [<profile_vpc_queued>] [<profile_local_apply_queued>] [<profile_local_unapply_queued>] [<profile_apply_sent>] [<profile_apply_responses>] [<profile_apply_success>] [<profile_unapply_success>] [<profile_apply_failure>] [<profile_commands>] [<profile_error_incomplete_configs>] [<profile_api_error>] [<profile_unapply_sent>] [<profile_top_queue_adds>] [<profile_high_queue_adds>] [<profile_low_queue_adds>] [<profile_unapply_failure>] [<outstanding_vlan_requests>] [<outstanding_adbm_requests>] [<outstanding_profile_applies>] [<outstanding_vpc_profile_applies>] [<node_recon_pending>] [<node_recon_attempts>] [<node_recon_failures>] }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
statistics	Statistics - Mostly shows non-zero values
__readonly__	(Optional) Read Only
TABLE_database_host_statistics	(Optional) table show fabric database host statistics
data_snoop_triggers	(Optional) TODO
data_snoop_deletes	(Optional) TODO
data_snoop_responses	(Optional) TODO
vdp_association_requests	(Optional) TODO
vdp_deassociation_requests	(Optional) TODO
vdp_association_responses	(Optional) TODO
vdp_error_responses	(Optional) TODO

unsupported_interfaces	(Optional) TODO
no_profile_map_errors	(Optional) TODO
outstanding_delete_retry_add	(Optional) TODO
duplicate_add_existing_host	(Optional) TODO
hmm_api_error_cannot_add_host	(Optional) TODO
existing_profile_new_host	(Optional) TODO
profile_apply_from_vpc_peer	(Optional) TODO
profile_un_apply_from_vpc_peer	(Optional) TODO
host_apply_from_vpc_peer	(Optional) TODO
host_un_apply_from_vpc_peer	(Optional) TODO
early_delete_cancel_add	(Optional) TODO
dhcp_requests	(Optional) TODO
dhcp_responses	(Optional) TODO
dhcp_error_responses	(Optional) TODO
adbm_requests	(Optional) TODO
adbm_responses	(Optional) TODO
adbm_error_responses	(Optional) TODO
adbm_error_requests	(Optional) TODO
adbm_db_notifications	(Optional) TODO
vnseg_no_bridge_domain	(Optional) TODO
vnseg_encap_responses	(Optional) TODO
vnseg_vni_responses	(Optional) TODO
vnseg_unknown_responses	(Optional) TODO
vnseg_bd_down_notif	(Optional) TODO
bd_mgr_requests	(Optional) TODO
bd_mgr_success_responses	(Optional) TODO
bd_mgr_failure_responses	(Optional) TODO
bd_mgr_unreserve	(Optional) TODO
bd_mgr_inconsistencies	(Optional) TODO

no_mac_on_bd_notif	(Optional) TODO
refresh_failures	(Optional) TODO
profile_apply_received	(Optional) TODO
profile_vpc_queued	(Optional) TODO
profile_local_apply_queued	(Optional) TODO
profile_local_unapply_queued	(Optional) TODO
profile_apply_sent	(Optional) TODO
profile_apply_responses	(Optional) TODO
profile_apply_success	(Optional) TODO
profile_unapply_success	(Optional) TODO
profile_apply_failure	(Optional) TODO
profile_commands	(Optional) TODO
profile_error_incomplete_configs	(Optional) TODO
profile_api_error	(Optional) TODO
profile_unapply_sent	(Optional) TODO
profile_top_queue_adds	(Optional) TODO
profile_high_queue_adds	(Optional) TODO
profile_low_queue_adds	(Optional) TODO
profile_unapply_failure	(Optional) TODO
outstanding_vlan_requests	(Optional) TODO
outstanding_adbm_requests	(Optional) TODO
outstanding_profile_applies	(Optional) TODO
outstanding_vpc_profile_applies	(Optional) TODO
node_recon_pending	(Optional) TODO
node_recon_attempts	(Optional) TODO
node_recon_failures	(Optional) TODO

Command Mode

- /exec

show fabric database host summary

show fabric database host summary [__readonly__ [TABLE_database_host_summary { <number_of_instances_applied> <number_of_client_hosts> <recovery_timeout_minute> <cleanup_timeout_minute> <client_add_suppression_timeout_minute> <mac_aging_timeout_minute> <autoid_support> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
summary	Summary
__readonly__	(Optional) Read Only
TABLE_database_host_summary	(Optional) table show fabric database host summary
number_of_instances_applied	(Optional) TODO
number_of_client_hosts	(Optional) TODO
recovery_timeout_minute	(Optional) TODO
cleanup_timeout_minute	(Optional) TODO
client_add_suppression_timeout_minute	(Optional) TODO
mac_aging_timeout_minute	(Optional) TODO
autoid_support	(Optional) List of supported auto-generate ids

Command Mode

- /exec

show fabric database host temp

show fabric database host temp [interface <intf-id>] [dot1q <vlan-id>]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
host	Auto-configured Hosts
temp	Temporary
interface	(Optional) Specified interface to display
intf-id	(Optional) Name of interface
dot1q	(Optional) Dot1Q Encapsulation
vlan-id	(Optional)

Command Mode

- /exec

show fabric database profile-map

show fabric database profile-map { global | [<id> | interface <interface-id>] } [__readonly__ [TABLE_database_profile_map { <map> <proto> <vni> <dot1q> <flags> <profile_name> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
profile-map	Profile Map
global	Global profile (apply to all interfaces)
id	(Optional) Profile Map ID
interface	(Optional) Specified interface to display
interface-id	(Optional) Name of interface
__readonly__	(Optional) Read Only
TABLE_database_profile_map	(Optional) table show fabric database profile-map
map	(Optional) TODO
proto	(Optional) TODO
vni	(Optional) TODO
dot1q	(Optional) TODO
flags	(Optional) TODO
profile_name	(Optional) TODO

Command Mode

- /exec

show fabric database static-host

show fabric database static-host [__readonly__ [TABLE_database_static_host { <host_key> <interface> <state> <retry_delay> <retry_attempts> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Fabric Database
static-host	Configured Static Hosts
__readonly__	(Optional) Read Only
TABLE_database_static_host	(Optional) table show fabric database static-host
host_key	(Optional) static-host key
interface	(Optional) interface name
state	(Optional) static-host state
retry_delay	(Optional) seconds until next retry
retry_attempts	(Optional) cumulative retry attempts

Command Mode

- /exec

show fabric database statistics

show fabric database statistics [type { network | profile | cabling | partition | bl-dci | host }] [__readonly__ { TABLE_types <dbtype> <requests> <dispatched> <not_dispatched> <re_dispatched> } [{ TABLE_dbs <is_active> <type> <prot> <serverdb> [<reqs> <ok> <nores> <err> <tmout> <pend>] }] { LastPollTime <poll_time> } { LastUpdateTime <update_time> } [{ TABLE_updates <update_type> <update_status> }]]

Syntax Description

show	Show running system information
fabric	Fabric
database	Show Fabric Database
statistics	Show database statistics
type	(Optional) Enter database type
network	(Optional) Network Database
profile	(Optional) Port or Switch Profile Database
cabling	(Optional) Cable Management Database
partition	(Optional) Partition Database
bl-dci	(Optional) Border Leaf - DCI
host	(Optional) Host
__readonly__	(Optional)
TABLE_types	(Optional) totals by type
dbtype	(Optional) type of database
requests	(Optional) number of requests
dispatched	(Optional) number dispatched
not_dispatched	(Optional) number not dispatched
re_dispatched	(Optional) number re-dispatched
TABLE_dbs	(Optional) per-database stats
is_active	(Optional) active/inactive
type	(Optional) database type
prot	(Optional) database protocol
serverdb	(Optional) server database

reqs	(Optional) requests
ok	(Optional) OK
nores	(Optional) nores
err	(Optional) err
tmout	(Optional) tmout
pend	(Optional) pend
LastPollTime	(Optional) last poll time
poll_time	(Optional) poll time
LastUpdateTime	(Optional) last update time for db status change
update_time	(Optional) update time
TABLE_updates	(Optional) totals ty type
update_type	(Optional) db type
update_status	(Optional) db status

Command Mode

- /exec

show fabric forwarding host-db

show fabric forwarding host-db [{ vrf { <vrf-name> | <vrf-known-name> | all } }] [__readonly__ [TABLE_forwarding_host_db_vrf { <vrf> <vrf_id> <vrf_state> <vrf_reason> <vni_id> <refcount> <conversational_learning> [TABLE_limit_type <limit_type> <enable> <threshold> <action>] [TABLE_ipv4 <address_family> <vrf> <table_id> <table_state> <refcount> <local_hosts> <remote_hosts> <aggregates> [TABLE_aggregate_list <aggregate_subnet_prefix_list> <aggregate_subnet_prefix_state>]] [TABLE_ipv6 <address_family> <vrf> <table_id> <table_state> <refcount> <local_hosts> <remote_hosts> <aggregates> [TABLE_aggregate_list <aggregate_subnet_prefix_list> <aggregate_subnet_prefix_state>]] }]]

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
host-db	Host Database info
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional) Read Only
TABLE_forwarding_host_db_vrf	(Optional) table show fabric forwarding host-db vrf
vrf	(Optional) TODO
vrf_id	(Optional) TODO
vrf_state	(Optional) TODO
vrf_reason	(Optional) TODO
vni_id	(Optional) TODO
refcount	(Optional) TODO
conversational_learning	(Optional) TODO
TABLE_limit_type	(Optional) table for limit type
limit_type	(Optional) TODO
enable	(Optional) TODO
threshold	(Optional) TODO
action	(Optional) TODO

TABLE_ipv4	(Optional) Information for address family IPv4
address_family	(Optional) TODO
vrf	(Optional) TODO
table_id	(Optional) TODO
table_state	(Optional) TODO
refcount	(Optional) TODO
local_hosts	(Optional) TODO
remote_hosts	(Optional) TODO
aggregates	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
aggregate_subnet_prefix_list	(Optional) TODO
TABLE_ipv6	(Optional) Information for address family IPv6
address_family	(Optional) TODO
vrf	(Optional) TODO
table_id	(Optional) TODO
table_state	(Optional) TODO
refcount	(Optional) TODO
local_hosts	(Optional) TODO
remote_hosts	(Optional) TODO
aggregates	(Optional) TODO
TABLE_aggregate_list	(Optional) table for aggregate subnet prefix list
aggregate_subnet_prefix_list	(Optional) TODO
aggregate_subnet_prefix_state	(Optional) TODO

Command Mode

- /exec

show fabric forwarding ip local

show fabric forwarding ip { local-host-db [{ vrf { <vrf-name> | <vrf-known-name> | all } }] [<ip-prefix>] } [__readonly__ [TABLE_forwarding_ip_local_host_db_vrf { <hmm_host> <vrf> <status_in> { TABLE_hosts <host> <mac_address> <svi> <flags_0x> <physical_interface> <status> } }]]

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ip	Display IP information
local-host-db	HMM Local Host Database
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ip-prefix	(Optional) IP prefix in CIDR format
__readonly__	(Optional) Read Only
TABLE_forwarding_ip_local_host_db_vrf	(Optional) table show fabric forwarding ip local-host-db vrf
hmm_host	(Optional) TODO
vrf	(Optional) TODO
status_in	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
host	(Optional) TODO
mac_address	(Optional) TODO
svi	(Optional) TODO
flags_0x	(Optional) TODO
physical_interface	(Optional) TODO
status	(Optional) *-valid, x-deleted, a-aged out, c-cleaned

Command Mode

- /exec

show fabric forwarding ipv6 local

show fabric forwarding ipv6 { local-host-db [{ vrf { <vrf-name> | <vrf-known-name> | all } }] [<ipv6-prefix>] } [__readonly__ [TABLE_forwarding_ipv6_local_host_db_vrf { <hmm_host> <vrf> <status_in> { TABLE_hosts <host> <mac_address> <svi> <flags_0x> <physical_interface> <status> } }]]

Syntax Description

show	Show running system information
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
ipv6	Display IPv6 information
local-host-db	HMM Local Host Database
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional) Read Only
TABLE_forwarding_ipv6_local_host_db_vrf	(Optional) table show fabric forwarding ipv6 local-host-db vrf
hmm_host	(Optional) TODO
vrf	(Optional) TODO
status_in	(Optional) TODO
TABLE_hosts	(Optional) table show information for each hosts
host	(Optional) TODO
mac_address	(Optional) TODO
svi	(Optional) TODO
flags_0x	(Optional) TODO
physical_interface	(Optional) TODO
status	(Optional) *-valid, x-deleted, a-aged out, c-cleaned

Command Mode

- /exec

show fabric multicast

show fabric multicast { ipv4 { mroute [{ <v4_group> [<v4_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } | ipv6 { mroute [{ <v6_group> [<v6_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <context_name> <nlri_type> <vnid> [TABLE_mroute <mroute> { TABLE_node <node_addr> <real_join> <sim_join> <rpf_nbr> }] [TABLE_rp <border_leaf_addr> { TABLE_rp_grange <rp_grange_desc> }] [TABLE_ssm <border_leaf_addr> { TABLE_ssm_range <ssm_range_desc> }]]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
mroute	display fabric mroutes
sa-ad-route	display Src Active AD routes
ssm-range	display SSM ranges
rp-grange	display RP granges
v4_group	(Optional) IPV4 Group address to display
v4_source	(Optional) IPV4 Source address to display
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of
__readonly__	(Optional)
TABLE_vrf	(Optional)
context_name	(Optional)
nlri_type	(Optional)
vnid	(Optional)
TABLE_mroute	(Optional)
mroute	(Optional)

TABLE_node	(Optional)
node_addr	(Optional)
real_join	(Optional)
sim_join	(Optional)
rpf_nbr	(Optional)
TABLE_rp	(Optional)
border_leaf_addr	(Optional)
TABLE_rp_grange	(Optional)
rp_grange_desc	(Optional)
TABLE_ssm	(Optional)
border_leaf_addr	(Optional)
TABLE_ssm_range	(Optional)
ssm_range_desc	(Optional)

Command Mode

- /exec

show fabric multicast event-history

show fabric multicast [internal] event-history { errors | msgs | <ngmvpn-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
internal	(Optional) Commands for internal use
event-history	Show various event logs of NGMVPN
errors	Show error logs of NGMVPN
msgs	Show various message logs of NGMVPN
ngmvpn-event-hist-buf-name	Show event hist buffer name
statistics	Show the state and size of the buffer

Command Mode

- /exec

show fabric multicast globals

show fabric multicast globals [__readonly__ <pruning> <switch_role> <fabric_control_seg> <peer_fabric_ctrl_addr> <advertise_vpc_rpf_routes> <created_vni_list> <fwd_encap>]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
globals	show the global settings
__readonly__	(Optional)
pruning	(Optional)
switch_role	(Optional)
fabric_control_seg	(Optional)
peer_fabric_ctrl_addr	(Optional)
advertise_vpc_rpf_routes	(Optional)
created_vni_list	(Optional)
fwd_encap	(Optional)

Command Mode

- /exec

show fabric multicast ipv4 l2 vni

show fabric multicast { ipv4 | ipv6 } { l2-mroute } vni { <vni-id> | all } [__readonly__ TABLE_vni <vnid> [TABLE_mroute <mroute_desc> [TABLE_fabric <fabric_node_addr>]]]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
l2-mroute	display l2-mroute status
vni	Virtual Network Identifier
vni-id	VNI number
all	Display all L2 VNI NGMVPN is aware of
__readonly__	(Optional)
TABLE_vni	(Optional)
vnid	(Optional)
TABLE_mroute	(Optional)
mroute_desc	(Optional)
TABLE_fabric	(Optional)
fabric_node_addr	(Optional)

Command Mode

- /exec

show fabric multicast ipv4 rp

show fabric multicast { ipv4 | ipv6 } { rp-route } [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
ipv4	Display IP information
ipv6	Display IPv6 information
rp-route	display fabric rp-routes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of

Command Mode

- /exec

show fabric multicast statistics

show fabric multicast [internal] statistics

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
internal	(Optional) Commands for internal use
statistics	Show the state and size of the buffer

Command Mode

- /exec

show fabric multicast trigger-bgp-update vnid source group nlri-origin

show fabric multicast trigger-bgp-update vnid <vnid> source <source> group <group> nlri-origin <nlri-origin> [delete] [starg] [sa-ad-route]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
trigger-bgp-update	simulate bgp update
vnid	Add/Del route with this vnid
vnid	vnid address
source	Add/Del route with this source
source	Source address
group	Add/Del route with this group
group	Group address
nlri-origin	Add/Del route with this nlri-origin
nlri-origin	Nlri Origin address
delete	(Optional) Whether this is a delete
starg	(Optional) Whether this is starg update
sa-ad-route	(Optional)

Command Mode

- /exec

show fabric multicast trigger-isis-update nh-addr swid

show fabric multicast trigger-isis-update nh-addr <nh-addr> swid <swid> [delete]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
trigger-isis-update	simulate isis update
nh-addr	Add/Del mapping with this nh-addr
nh-addr	Nlri Origin address
swid	Add/Del mapping with this swid
swid	switch id
delete	(Optional) Whether this is a delete

Command Mode

- /exec

show fabric multicast trigger-m6rib-update vrf source group

show fabric multicast trigger-m6rib-update vrf { <vrf-name> | <vrf-known-name> } source <source> group <group> [delete]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
trigger-m6rib-update	simulate m6rib update
vrf	Display per-VRF information
vrf-name	VRF name
vrf-known-name	Known VRF name
source	Add/Del route with this source
group	Add/Del route with this group
delete	(Optional) Whether this is a delete

Command Mode

- /exec

show fabric multicast vrf

show fabric multicast vrf [{ <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_vrf <context_name><context_id><vprime_iod><vnid> }]

Syntax Description

show	Show running system information
fabric	Fabric
multicast	Multicast information
vrf	Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs NGMVPN is aware of
__readonly__	(Optional)
TABLE_vrf	(Optional)

Command Mode

- /exec

show fc2 bind

show fc2 bind [__readonly__ { TABLE_fc2bind <SOCKET> <FLAGS> <NLEVEL> <RULE> <SINDEX> <VSAN> <D_ID> <MASK> <TYPE> <SUBTYPE> <M_VALUES> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
bind	show fc2 socket bindings
__readonly__	(Optional) Read only
TABLE_fc2bind	(Optional) show fc2 bind
SOCKET	(Optional) socket
FLAGS	(Optional) flags
NLEVEL	(Optional) nlevel
RULE	(Optional) rule
SINDEX	(Optional) sidnex
VSAN	(Optional) vsan
D_ID	(Optional) d_id
MASK	(Optional) mask
TYPE	(Optional) type
SUBTYPE	(Optional) subtype
M_VALUES	(Optional) m_values

Command Mode

- /exec

show fc2 classf

show fc2 classf [__readonly__ { TABLE_fc2classf <HIX> <VSAN> <S_ID> <D_ID> <IFIDX> <R_A_TOV> <E_D_TOV> <F-SO> <RC> <RS> <CS> <EE> <2-SO> <RS> <3-SO> <RS> <EECNT> <TCCNT> <FCNT> <REFCNT> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
classf	show fc2 classf sessions
__readonly__	(Optional) Read only
TABLE_fc2classf	(Optional) show fc2 classf
HIX	(Optional) hix
VSAN	(Optional) vsan
S_ID	(Optional) sid
D_ID	(Optional) did
IFIDX	(Optional) ifidx
R_A_TOV	(Optional) r_a_tov
E_D_TOV	(Optional) e_d_tov
F-SO	(Optional) f-so
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
2-SO	(Optional) 2-so
RS	(Optional) rs
3-SO	(Optional) 3-so
RS	(Optional) rs
EECNT	(Optional) eecnt
TCCNT	(Optional) tccnt
FCNT	(Optional) fcnt

REFCNT	(Optional) refcnt

Command Mode

- /exec

show fc2 exchange

show fc2 exchange [__readonly__ { TABLE_ExchngInfo [<ECB_INUSE>] [<ECB_DROPPED>] [<ECB_TOTAL>] [<ECB_MAX>] } [TABLE_fc2exchange <HIX> <VSAN> <X_ID> <OX_ID> <RX_ID> <O_ID> <R_ID> <ESTAT> <STATE> <SOCKET> <DIFINDEX> <CS> <TYPE> <SEQID> <TCNT> <RCNT> <LO> <HI> <SSTAT> <LOGIN>]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchange	show fc2 active exchanges
__readonly__	(Optional) Read only
TABLE_ExchngInfo	(Optional) ecb info
ECB_INUSE	(Optional) ecb in use
ECB_DROPPED	(Optional) ecb dropped
ECB_TOTAL	(Optional) ecb total
ECB_MAX	(Optional) ecb threshold
TABLE_fc2exchange	(Optional) show fc2 exchange
HIX	(Optional) hix
VSAN	(Optional) vsan
X_ID	(Optional) xid
OX_ID	(Optional) oxid
RX_ID	(Optional) rxid
O_ID	(Optional) o_id
R_ID	(Optional) r_id
ESTAT	(Optional) estat
STATE	(Optional) state
SOCKET	(Optional) socket
DIFINDEX	(Optional) dIFINDEX
CS	(Optional) cs
TYPE	(Optional) type

SEQID	(Optional) seqid
TCNT	(Optional) tcnt
RCNT	(Optional) rcnt
LO	(Optional) lo
HI	(Optional) hi
SSTAT	(Optional) sstat
LOGIN	(Optional) login

Command Mode

- /exec

show fc2 exchresp

show fc2 exchresp [__readonly__ { TABLE_fc2exchresp <HIX> <VSAN> <OX_ID> <S_ID> <CS> <SIFINDEX> <OX_ID2> <RX_ID2> <O_ID> <R_ID> <ESTAT> <STATE> <SOCKET> <TYPE> <SEQID> <TCNT> <RCNT> <LO> <HI> <SSTAT> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
exchresp	show fc2 active responder exchanges
__readonly__	(Optional) Read only
TABLE_fc2exchresp	(Optional) show fc2 exchresp
HIX	(Optional) hix
VSAN	(Optional) vsan
OX_ID	(Optional) oxid
S_ID	(Optional) sid
CS	(Optional) cs
SIFINDEX	(Optional) sifindex
OX_ID2	(Optional) oxid
RX_ID2	(Optional) rxid
O_ID	(Optional) oid
R_ID	(Optional) rid
ESTAT	(Optional) estat
STATE	(Optional) state
SOCKET	(Optional) socket
TYPE	(Optional) type
SEQID	(Optional) seqid
TCNT	(Optional) tcnt
RCNT	(Optional) rcnt
LO	(Optional) lo
HI	(Optional) hi

SSTAT	(Optional) sstat

Command Mode

- /exec

show fc2 flogi

show fc2 flogi [__readonly__ { TABLE_fc2flogi <HIX> <VSAN> <S_ID> <FLOGI> <IFINDEX> <TYPE> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
flogi	show fc2 flogi table
__readonly__	(Optional) Read only
TABLE_fc2flogi	(Optional) show fc2 flogi
HIX	(Optional) hix
VSAN	(Optional) vsan
S_ID	(Optional) sid
FLOGI	(Optional) flogi
IFINDEX	(Optional) ifindex
TYPE	(Optional) type

Command Mode

- /exec

show fc2 nport

show fc2 nport [__readonly__ { TABLE_fc2nport <REF> <VSAN> <D_ID> <MASK> <FL> <ST> <IFINDEX> <CF> <TC> <2-SO> <IC> <RC> <RS> <CS> <EE> <3-SO> <3-SO-IC> <3-SO-RC> <3-SO-RS> <3-SO-CS> <3-SO-EE> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
nport	show fc2 local nports
__readonly__	(Optional) Read only
TABLE_fc2nport	(Optional) show fc2 nport
REF	(Optional) ref
VSAN	(Optional) vsan
D_ID	(Optional) did
MASK	(Optional) mask
FL	(Optional) fl
ST	(Optional) st
IFINDEX	(Optional) ifindex
CF	(Optional) cf
TC	(Optional) tc
2-SO	(Optional) 2so
IC	(Optional) ic
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
3-SO	(Optional) 3so
3-SO-IC	(Optional) 3so-ic
3-SO-RC	(Optional) 3so-rc
3-SO-RS	(Optional) 3so-rs

3-SO-CS	(Optional) 3so-cs
3-SO-EE	(Optional) 3so-ee

Command Mode

- /exec

show fc2 plogi

show fc2 plogi [__readonly__ { TABLE_fc2plogi <HIX> <ADDRESS> <VSAN> <S_ID> <D_ID> <IF_INDEX> <FL> <STATE> <CF> <TC> <2-SO> <IC> <RC> <RS> <CS> <EE> <3-SO> <3SO_IC> <3SO_RC> <3SO_RS> <3SO_CS> <3SO_EE> <EECNT> <TCCNT> <2CNT> <3CNT> <REFCNT> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi	show fc2 plogi sessions
__readonly__	(Optional) Read only
TABLE_fc2plogi	(Optional) show fc2 plogi
HIX	(Optional) hix
ADDRESS	(Optional) address
VSAN	(Optional) vsan
S_ID	(Optional) sid
D_ID	(Optional) did
IF_INDEX	(Optional) ifindex
FL	(Optional) fl
STATE	(Optional) state
CF	(Optional) cf
TC	(Optional) tc
2-SO	(Optional) 2so
IC	(Optional) ic
RC	(Optional) rc
RS	(Optional) rs
CS	(Optional) cs
EE	(Optional) ee
3-SO	(Optional) 3so
3SO_IC	(Optional) ic
3SO_RC	(Optional) rc

3SO_RS	(Optional) rs
3SO_CS	(Optional) cs
3SO_EE	(Optional) ee
EECNT	(Optional) eecnt
TCCNT	(Optional) TCCNT
2CNT	(Optional) 2cnt
3CNT	(Optional) 3cnt
REFCNT	(Optional) refcnt

Command Mode

- /exec

show fc2 plogi_pwwn

show fc2 plogi_pwwn [__readonly__ { TABLE_fc2plogi_pwwn <HIX> <ADDRESS> <VSAN> <S_ID> <D_ID> <IFINDEX> <FL> <STATE> <PWWN> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
plogi_pwwn	show fc2 plogi pwwn entries
__readonly__	(Optional) Read only
TABLE_fc2plogi_pwwn	(Optional) show fc2 plogi_pwwn
HIX	(Optional) hix
ADDRESS	(Optional) address
VSAN	(Optional) vsan
S_ID	(Optional) s_id
D_ID	(Optional) d_id
IFINDEX	(Optional) ifindex
FL	(Optional) fl
STATE	(Optional) state
PWWN	(Optional) pwwn

Command Mode

- /exec

show fc2 port brief

show fc2 port brief [__readonly__ { TABLE_fc2portbrief <BAD_FRAME_RX> } [TABLE_FCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_LBSTAT <IX> <ST> <MOD> <EMUL> <TXLBPKTS> <TXLBDROP> <RXLBPKTS> <RXLBDROP>] [TABLE_VFCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCPOSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
brief	display only active port counters
__readonly__	(Optional) Read only
TABLE_fc2portbrief	(Optional) bad frames received
BAD_FRAME_RX	(Optional) fc2 bad frames rx
TABLE_FCSTAT	(Optional) FC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul

TXLBPKTS	(Optional) tx lb packets
TXLBDROP	(Optional) tx lb drops
RXLBPKTS	(Optional) rx lb packets
RXLBDROP	(Optional) rx lb drop
TABLE_VFCSTAT	(Optional) VFC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCPOSTAT	(Optional) VFC po Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCSLOTSTAT	(Optional) VFC slot Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul

TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop

Command Mode

- /exec

show fc2 port drops

show fc2 port drops [__readonly__ [TABLE_FCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_LBSTAT <IX> <ST> <MOD> <EMUL> <TXLBPKTS> <TXLBDROP> <RXLBPKTS> <RXLBDROP>] [TABLE_VFCSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCPOSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>] [TABLE_VFCSLOTSTAT <IX> <ST> <MOD> <EMUL> <TXPKTS> <TXDROP> <TXERR> <RXPKTS> <RXDROP>]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
drops	display active port drop counters
__readonly__	(Optional) Read only
TABLE_FCSTAT	(Optional) FC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_LBSTAT	(Optional) LB Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXLBPKTS	(Optional) tx lb packets
TXLBDROP	(Optional) tx lb drops

RXLBPKTS	(Optional) rx lb packets
RXLBDROP	(Optional) rx lb drop
TABLE_VFCSTAT	(Optional) VFC Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCPOSTAT	(Optional) VFC po Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops
TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop
TABLE_VFCSLOTSTAT	(Optional) VFC slot Stat table
IX	(Optional) index
ST	(Optional) status
MOD	(Optional) mode
EMUL	(Optional) TEemul
TXPKTS	(Optional) txpackets
TXDROP	(Optional) txdrops

TXERR	(Optional) txerrorcnt
RXPKTS	(Optional) rx packets
RXDROP	(Optional) rx drop

Command Mode

- /exec

show fc2 port state

show fc2 port state [__readonly__ [TABLE_FCPORTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +] [TABLE_VFCPORTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +] [TABLE_VFCPOPORTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +] [TABLE_VFCPORTSLOTSTATE [<PORT_STRING>] [<PORT_NO>] [<UP_DOWN_CNTR>] [[<UP_STRING>] + [<UP_TIME>] + [<UP_REFTIME>] + [<DOWN_STRING>] + [<DOWN_TIME>] + [<DOWN_REFTIME>] +] +]]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
port	show fc2 physical port table
state	display port state history
__readonly__	(Optional) Read only
TABLE_FCPORTSTATE	(Optional) fc port state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up
UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from
TABLE_VFCPORTSTATE	(Optional) vfc port state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up

UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from
TABLE_VFCPOPORTSTATE	(Optional) vfc po port state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up
UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from
TABLE_VFCPORTSLOTSTATE	(Optional) vfc port slot state change history
PORT_STRING	(Optional) port name
PORT_NO	(Optional) port number
UP_DOWN_CNTR	(Optional) up-down counter
UP_STRING	(Optional) up
UP_TIME	(Optional) up time
UP_REFTIME	(Optional) up from
DOWN_STRING	(Optional) down string
DOWN_TIME	(Optional) down time
DOWN_REFTIME	(Optional) down from

Command Mode

- /exec

show fc2 socket

show fc2 socket [__readonly__ { TABLE_fc2socket <SOCKET> <REFCNT> <PROTOCOL> <FLAGS> <PID> <RCVBUF> <RMEM_USED> <QLEN> <NOTSK> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socket	show fc2 active sockets
__readonly__	(Optional) Read only
TABLE_fc2socket	(Optional) show fc2 socket
SOCKET	(Optional) socket
REFCNT	(Optional) refcnt
PROTOCOL	(Optional) protocol
FLAGS	(Optional) flags
PID	(Optional) pid
RCVBUF	(Optional) rcvbuf
RMEM_USED	(Optional) rmem_used
QLEN	(Optional) qlen
NOTSK	(Optional) not_sk

Command Mode

- /exec

show fc2 sockexch

show fc2 sockexch [__readonly__ { TABLE_fc2sockexch <SOCKET> <VSAN> <X_ID> <OX_ID> <RX_ID> <O_ID> <R_ID> <ESTAT> <STATE> <CS> <TYPE> <SK> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
sockexch	show fc2 active exchanges for each socket
__readonly__	(Optional) Read only
TABLE_fc2sockexch	(Optional) show fc2 sockexch
SOCKET	(Optional) socket
VSAN	(Optional) vsan
X_ID	(Optional) x_id
OX_ID	(Optional) oxid
RX_ID	(Optional) rxid
O_ID	(Optional) o_id
R_ID	(Optional) r_id
ESTAT	(Optional) estat
STATE	(Optional) state
CS	(Optional) cs
TYPE	(Optional) type
SK	(Optional) sk

Command Mode

- /exec

show fc2 socknotify

show fc2 socknotify [__readonly__ { TABLE_fc2socknotify <SOCKET> <ADDRESS> <REF> <VSAN> <D_ID> <MASK> <FL> <ST> <IFINDEX> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknotify	show fc2 local nport plogi/logo notifications per each socket
__readonly__	(Optional) Read only
TABLE_fc2socknotify	(Optional) show fc2 socknotify
SOCKET	(Optional) socket
ADDRESS	(Optional) address
REF	(Optional) ref
VSAN	(Optional) vsan
D_ID	(Optional) d_id
MASK	(Optional) mask
FL	(Optional) fl
ST	(Optional) st
IFINDEX	(Optional) ifindex

Command Mode

- /exec

show fc2 socknport

show fc2 socknport [__readonly__ { TABLE_fc2socknport <SOCKET> <ADDRESS> <REF> <VSAN> <D_ID> <MASK> <FL> <ST> <IFINDEX> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
socknport	show fc2 local nports per each socket
__readonly__	(Optional) Read only
TABLE_fc2socknport	(Optional) show fc2 socknport
SOCKET	(Optional) socket
ADDRESS	(Optional) address
REF	(Optional) ref
VSAN	(Optional) vsan
D_ID	(Optional) d_id
MASK	(Optional) mask
FL	(Optional) fl
ST	(Optional) st
IFINDEX	(Optional) ifindex

Command Mode

- /exec

show fc2 vsan

show fc2 vsan [__readonly__ { TABLE_fc2vsan <VSAN> <X_ID> <E_D_TOV> <R_A_TOV> <WWN> <IOP_MODE> }]

Syntax Description

show	Show running system information
fc2	show fc2 tables and statistics
vsan	show fc2 vsan table
__readonly__	(Optional) Read only
TABLE_fc2vsan	(Optional) show fc2 vsan
VSAN	(Optional) vsan
X_ID	(Optional) xid
E_D_TOV	(Optional) e_d_tov
R_A_TOV	(Optional) r_a_tov
WWN	(Optional) wwn
IOP_MODE	(Optional) iop_mode

Command Mode

- /exec

show fcdroplatency

show fcdroplatency [{ network | switch }] [__readonly__ [<switch_latency>] [<global_network_latency>] [TABLE_vsan_network_latency { <vsan-no> <network-latency> }]]

Syntax Description

show	Show running system information
fcdroplatency	show switch or network latency
network	(Optional) network latency in milliseconds
switch	(Optional) switch latency in milliseconds
__readonly__	(Optional)
switch_latency	(Optional) Switch latency value
global_network_latency	(Optional) global network latency value
TABLE_vsan_network_latency	(Optional) VSAN specific network latency settings
vsan-no	(Optional) vsan number
network-latency	(Optional) VSAN specific network latency

Command Mode

- /exec

show fcoe-npv issu-impact

show fcoe-npv issu-impact [__readonly__ { <is_impact> } [TABLE_interface <vfc_intf> <fc_id>]]

Syntax Description

show	Show running system informationrunning system information
fcoe-npv	feature fcoe-npv
issu-impact	Show feature fcoe-npv config issues if attempting to do non-disruptive ISSU
__readonly__	(Optional) Read Only
is_impact	(Optional) show issu impact
TABLE_interface	(Optional) show fcoe database
vfc_intf	(Optional) vfc port Interface index
fc_id	(Optional) vfc port FCID

Command Mode

- /exec

show fcoe

show fcoe [__readonly__ { TABLE_fcf <fcf_if_index> <fcf_mac> <fc_map> <fcf_priority> <fka_Advertisement> } [TABLE_vfc <vfc_name> <vfcf_mac>]]

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
__readonly__	(Optional) Read Only
TABLE_fcf	(Optional) fcf table
fcf_if_index	(Optional) fcf if index
fcf_mac	(Optional) fcf mac
fc_map	(Optional) fc map
fcf_priority	(Optional) fcf priority
fka_Advertisement	(Optional) fka Advertisement
TABLE_vfc	(Optional) vfc details table for sup
vfc_name	(Optional) vfc name
vfcf_mac	(Optional) vfcf mac

Command Mode

- /exec

show fcoe database

show fcoe database [__readonly__ { TABLE_interface <interface> [<fcid>] [<port_name>] <mac_address> } <flogi_count> [TABLE_veport <interface> <mac_address> <vsan>]]

Syntax Description

show	Show running system information
fcoe	Show FCOE paramaters
database	Show FCOE database
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show fcoe database
fcid	(Optional) fcid
port_name	(Optional) port name
mac_address	(Optional) mac address
interface	(Optional) ve port Interface index
TABLE_veport	(Optional) ve port details
mac_address	(Optional) ve port mac address
flogi_count	(Optional) flogi_count
vsan	(Optional) ve port VSAN trunking

Command Mode

- /exec

show fctimer

show fctimer [__readonly__ { <F_S_TOV> <D_S_TOV> <E_D_TOV> <R_A_TOV> }]

Syntax Description

show	show running system information
fctimer	show Fibre Channel timers
__readonly__	(Optional) Read only
F_S_TOV	(Optional) F_S_TOV
D_S_TOV	(Optional) D_S_TOV
E_D_TOV	(Optional) E_D_TOV
R_A_TOV	(Optional) R_A_TOV

Command Mode

- /exec

show fctimer D_S_TOV

show fctimer D_S_TOV [vsan <i0>] [__readonly__ [TABLE_D_S_TOV [<vsan-no>] <D_S_TOV>] [<non-exist-vsan>]]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
D_S_TOV	D_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
i0	(Optional) VSAN id range
__readonly__	(Optional)
TABLE_D_S_TOV	(Optional) table D_S_TOV
vsan-no	(Optional) vsan number
D_S_TOV	(Optional) D_S_TOV
non-exist-vsan	(Optional) non configured vsans

Command Mode

- /exec

show fctimer E_D_TOV

show fctimer E_D_TOV [vsan <i0>] [__readonly__ [TABLE_E_D_TOV [<vsan-no>] <E_D_TOV>] [<non-exist-vsan>]]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
E_D_TOV	E_D_TOV in milliseconds
vsan	(Optional) Specify VSAN id
i0	(Optional) VSAN id range
__readonly__	(Optional)
TABLE_E_D_TOV	(Optional) table
vsan-no	(Optional) vsan number
E_D_TOV	(Optional) E_D_TOV
non-exist-vsan	(Optional) not exist vsans

Command Mode

- /exec

show fctimer F_S_TOV

show fctimer F_S_TOV [vsan <i0>] [__readonly__ [TABLE_F_S_TOV [<vsan-no>] <F_S_TOV>] [<non-exist-vsan>]]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
F_S_TOV	F_S_TOV in milliseconds
vsan	(Optional) Specify VSAN id
i0	(Optional) VSAN id range
__readonly__	(Optional)
TABLE_F_S_TOV	(Optional) table
vsan-no	(Optional) vsan number
F_S_TOV	(Optional) F_S_TOV
non-exist-vsan	(Optional) not exist vsans

Command Mode

- /exec

show fctimer R_A_TOV

show fctimer R_A_TOV [vsan <i0>] [__readonly__ [TABLE_R_A_TOV [<vsan-no>] <R_A_TOV>] [<non-exist-vsan>]]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
R_A_TOV	R_A_TOV in milliseconds
vsan	(Optional) Specify VSAN id
i0	(Optional) VSAN id range
__readonly__	(Optional)
TABLE_R_A_TOV	(Optional) table
vsan-no	(Optional) vsan number
R_A_TOV	(Optional) R_A_TOV
non-exist-vsan	(Optional) non exist vsans

Command Mode

- /exec

show fctimer distribution status

show fctimer distribution status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
distribution	status of cfs distribution for fctimer
status	cfs distribution is enabled or disabled

Command Mode

- /exec

show fctimer last action status

show fctimer last action status [__readonly__ [<vsan>] <last_action_timestamp> <last_action> <last_action_result> <last_action_failure_reason>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
last	Show the status of the last cfs commit/abort operation
action	Show the status of the last cfs commit/abort operation
status	Show the status of the last cfs commit/abort operation
__readonly__	(Optional) Readonly
vsan	(Optional) Vsan
last_action_timestamp	(Optional) Last action timestamp
last_action	(Optional) Last action
last_action_result	(Optional) Last action result
last_action_failure_reason	(Optional) Last action failure reason

Command Mode

- /exec

show fctimer pending-diff

show fctimer pending-diff [__readonly__ <status_fctimer>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending-diff	Show the difference between pending database and running config
__readonly__	(Optional)
status_fctimer	(Optional) Show the difference between pending database and running config

Command Mode

- /exec

show fctimer pending

show fctimer pending [__readonly__ <status_fctimer>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
pending	Show the status of pending fctimer commands
__readonly__	(Optional)
status_fctimer	(Optional) Show the status of pending fctimer commands

Command Mode

- /exec

show fctimer session-status

show fctimer session-status

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
session-status	Show the state of fctimer cfs session

Command Mode

- /exec

show fctimer session status

show fctimer session status [__readonly__ [<vsan>] <last_action_timestamp> <last_action> <last_action_result> <last_action_failure_reason>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
session	Show the state of fctimer cfs session
status	Show the status of the last cfs commit/abort operation
__readonly__	(Optional) Readonly
vsan	(Optional) Vsan
last_action_timestamp	(Optional) Last action timestamp
last_action	(Optional) Last action
last_action_result	(Optional) Last action result
last_action_failure_reason	(Optional) Last action failure reason

Command Mode

- /exec

show fctimer status

show fctimer status [__readonly__ <Distribution>]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
status	cfs distribution is enabled or disabled
__readonly__	(Optional) read only
Distribution	(Optional) distribution

Command Mode

- /exec

show fctimer vsan

show fctimer vsan <i0> [__readonly__ { TABLE_fctimer <vsan-no> <F_S_TOV> <D_S_TOV> <E_D_TOV> <R_A_TOV> } [<non-exist-vsan>]]

Syntax Description

show	Show running system information
fctimer	show Fibre Channel timers
vsan	Specify VSAN id
i0	VSAN id range
__readonly__	(Optional) Read only
TABLE_fctimer	(Optional) table
vsan-no	(Optional) vsan number
F_S_TOV	(Optional) F_S_TOV
D_S_TOV	(Optional) D_S_TOV
E_D_TOV	(Optional) E_D_TOV
R_A_TOV	(Optional) R_A_TOV
non-exist-vsan	(Optional) non exist vsans

Command Mode

- /exec

show feature-set

show feature-set [<name>] [<id>] [__readonly__ TABLE_cfcFeatureSetTable <cfcFeatureSetIndex> <cfcFeatureSetName> <cfcFeatureSetAction> <cfcFeatureSetLastAction> <cfcFeatureSetLastActionResult> <cfcFeatureSetLastFailureReason> <cfcFeatureSetOpStatus> <cfcFeatureSetOpStatusReason>]

Syntax Description

show	Show running system information
feature-set	Show feature set status
name	(Optional) feature-set name
id	(Optional) feature-set id
__readonly__	(Optional)
TABLE_cfcFeatureSetTable	(Optional) feature-set table
cfcFeatureSetIndex	(Optional) feature-set table index
cfcFeatureSetName	(Optional) feature-set name
cfcFeatureSetAction	(Optional) action
cfcFeatureSetLastAction	(Optional) last action
cfcFeatureSetLastActionResult	(Optional) last action result
cfcFeatureSetLastFailureReason	(Optional) last failure reason
cfcFeatureSetOpStatus	(Optional) operation status
cfcFeatureSetOpStatusReason	(Optional) operation status

Command Mode

- /exec

show feature-set services

show feature-set services <s0> [__readonly__ [{ TABLE_services <service_name> }] { <count> <feature_set> }]

Syntax Description

show	Show running system information
feature-set	Show feature set status
services	Show services in feature set
__readonly__	(Optional)
TABLE_services	(Optional) all service names in feature set
service_name	(Optional) name of the service
count	(Optional) number of services in the feature set
feature_set	(Optional) feature set name
s0	Name of feature set

Command Mode

- /exec

show feature

show feature [__readonly__ [{ TABLE_cfcFeatureCtrlTable <cfcFeatureCtrlIndex2> <cfcFeatureCtrlInstanceNum2> <cfcFeatureCtrlName2> <cfcFeatureCtrlAction2> <cfcFeatureCtrlLastAction2> <cfcFeatureCtrlLastActionResult2> <cfcFeatureCtrlLastFailureReason2> <cfcFeatureCtrlOpStatus2> <cfcFeatureCtrlOpStatusReason2> <cfcFeatureCtrlTag2> }]]

Syntax Description

show	Show running system information
feature	Show feature status
__readonly__	(Optional)
TABLE_cfcFeatureCtrlTable	(Optional) feature table
cfcFeatureCtrlIndex2	(Optional) feature table index
cfcFeatureCtrlInstanceNum2	(Optional) instance number
cfcFeatureCtrlName2	(Optional) feature name
cfcFeatureCtrlAction2	(Optional) Action to be triggered for the feature
cfcFeatureCtrlLastAction2	(Optional) Last action triggered for the feature
cfcFeatureCtrlLastActionResult2	(Optional) The result of execution of the last action
cfcFeatureCtrlLastFailureReason2	(Optional) Failure Reason
cfcFeatureCtrlOpStatus2	(Optional) operation status
cfcFeatureCtrlOpStatusReason2	(Optional) Reason for current operation status
cfcFeatureCtrlTag2	(Optional) Name of the instance in string format in case of multinstance feature

Command Mode

- /exec

show fhrp

show fhrp [<intf>] [__readonly__ { TABLE_brief <intf_name> <intf_state> <ipv4_state> <ipv6_state> <hardware_status> <refcount> }]

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
intf	(Optional) Specify a single interface
__readonly__	(Optional)
TABLE_brief	(Optional) Show brief FHRP interface information
intf_name	(Optional) Interface name
intf_state	(Optional) Interface state
ipv4_state	(Optional) Interface IPv4 state
ipv6_state	(Optional) Interface IPv6 state
hardware_status	(Optional) Interface hardware status
refcount	(Optional) Interface refcount

Command Mode

- /exec

show fhrp verbose

show fhrp [<intf>] verbose [__readonly__ { TABLE_det <intf_name> <handle> <refcount> { TABLE_clients <client_id> <client_name> } <running> <expired> <v_retries> <v_time> <r_delay> <min_delay> <remaining_delay> <i_state> <ipv4_state> <ipv6_state> <h_state> <int_l2> }]

Syntax Description

fhrp	FHRP Show commands
show	Show running system information
intf	(Optional) Specify a single interface
verbose	Display detailed information
__readonly__	(Optional)
TABLE_det	(Optional) Detailed FHRP interface information
intf_name	(Optional) Interface name
handle	(Optional) Interface handle
refcount	(Optional) Reference count
TABLE_clients	(Optional) FHRP clients present on interface
client_id	(Optional) FHRP client id
client_name	(Optional) FHRP client name
running	(Optional) Time verify up timer running
expired	(Optional) Verify up timer has expired
v_retries	(Optional) Verify retries
v_time	(Optional) Verify remaining time
r_delay	(Optional) Reload delay
min_delay	(Optional) Min delay
remaining_delay	(Optional) Remaining delay
i_state	(Optional) Interface state
ipv4_state	(Optional) Interface IPv4 state
ipv6_state	(Optional) Interface IPv6 state
h_state	(Optional) Interface hardware state
int_l2	(Optional) Interface is L2-only

Command Mode

- /exec

show file

show file <uri0> [cksum | md5sum | sha256sum | sha512sum] [__readonly__ { [<file_content>] + [<file_content_cksum>] [<file_content_md5sum>] [<file_content_sha256sum>] [<file_content_sha512sum>] }]

Syntax Description

show	Show running system information
file	Displays content of files
uri0	Filename to be displayed
cksum	(Optional) Displays CRC checksum for a file
md5sum	(Optional) Displays MD5 checksum for a file
sha256sum	(Optional) Displays SHA256 checksum for a file
sha512sum	(Optional) Displays SHA512 checksum for a file
__readonly__	(Optional) Read only
file_content	(Optional) uri file content buffer string
file_content_cksum	(Optional) uri file content checksum
file_content_md5sum	(Optional) uri file content md5sum
file_content_sha256sum	(Optional) uri file content sha256sum
file_content_sha512sum	(Optional) uri file content sha512sum

Command Mode

- /exec

show fips status

show fips status [__readonly__ { operation_status <o_status> } { mode_state <m_state> } [TABLE_sessions <lc_num> <lc_status>]]

Syntax Description

show	Show running system information
fips	Show if FIPS mode is enabled or disabled
status	Whether FIPS mode is enabled or disabled
__readonly__	(Optional)
operation_status	(Optional) run-time information about fips
o_status	(Optional) operational status of fips
mode_state	(Optional) mode state
m_state	(Optional) fips or non-fips state
TABLE_sessions	(Optional) all lc status
lc_num	(Optional) the lc number
lc_status	(Optional) the lc status

Command Mode

- /exec

show flow cache

show flow cache [ipv4 | ipv6 | ce] [__readonly__ TABLE_flow_cache <flow-type> <source-ip> <destination-ip> <bridge-domain-id> <source-port> <destination-port> <protocol> <ipv6-flowlabel> <byte-count> <packet-count> <tcp-flags> <tos> <if-id> <flow-start> <flow-end> <source-mac> <destination-mac> <ether-type>]

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
__readonly__	(Optional)
TABLE_flow_cache	(Optional) The XML flow cache table
flow-type	(Optional) Flow type - v4,v6 or MAC
source-ip	(Optional) Source IP
destination-ip	(Optional) Destination IP
bridge-domain-id	(Optional) Bridge Domain ID
source-port	(Optional) Source Port
destination-port	(Optional) Destination Port
protocol	(Optional) Protocol
ipv6-flowlabel	(Optional) Ipv6 flowlabel
byte-count	(Optional) Byte Count
packet-count	(Optional) Packet Count
tcp-flags	(Optional) TCP Flags
tos	(Optional) TOS
if-id	(Optional) IF ID
flow-start	(Optional) Flow Start Time
flow-end	(Optional) Flow End Time

source-mac	(Optional) Source MAC
destination-mac	(Optional) Destination MAC
ether-type	(Optional) Ether Type

Command Mode

- /exec

show flow cache

show flow cache [ipv4 | ipv6 | ce] [__readonly__ [{ TABLE_flow_cache <flow-cache-index> [<flow-type>] [<source-ip>] [<destination-ip>] [<source-mac>] [<destination-mac>] [<bridge-domain-id>] [<ether-type>] [<source-port>] [<destination-port>] [<protocol>] [<ipv6-flowlabel>] [<byte-count>] [<packet-count>] [<tcp-flags>] [<tos>] [<if-id>] [<flow-start>] [<flow-end>] }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
cache	Show NetFlow Exporter Cache
ipv4	(Optional) Show ipv4 cache entries
ipv6	(Optional) Show ipv6 cache entries
ce	(Optional) Show ce cache entries
__readonly__	(Optional)
TABLE_flow_cache	(Optional) The XML flow cache table
flow-cache-index	(Optional) Flow Index
flow-type	(Optional) Flow type - v4,v6 or MAC
source-ip	(Optional) Source IP
destination-ip	(Optional) Destination IP
source-mac	(Optional) Source MAC
destination-mac	(Optional) Destination MAC
bridge-domain-id	(Optional) Bridge Domain ID
ether-type	(Optional) Ether Type
source-port	(Optional) Source Port
destination-port	(Optional) Destination Port
protocol	(Optional) Protocol
ipv6-flowlabel	(Optional) Ipv6 flowlabel
byte-count	(Optional) Byte Count
packet-count	(Optional) Packet Count
tcp-flags	(Optional) TCP Flags

tos	(Optional) TOS
if-id	(Optional) IF ID
flow-start	(Optional) Flow Start Time
flow-end	(Optional) Flow End Time

Command Mode

- /exec

show flow exporter

show flow exporter [name] [<exporter>] [__readonly__ { TABLE_flow_exporter <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp> <exp_vers> <seqnum> <samp_table_to> <if_table_to> <stats_to> <temp_to> <rec_sent> <temp_sent> <pkts_sent> <bytes_sent> <dest_unreach> <buff_events> <pkts_drop_no_route> <pkts_drop_other> <pkts_drop_lc_rp> <pkts_drop_op_drops> <time_last_cleared> }]

Syntax Description

show	Show running system information
flow	Show NetFlow information
exporter	Show NetFlow Exporter Configuration and Statistics
name	(Optional) Show a specific Flow Exporter
exporter	(Optional) Specify an exporter
__readonly__	(Optional)
TABLE_flow_exporter	(Optional)
exporter	(Optional)
description	(Optional)
dest	(Optional)
vrf	(Optional)
vrf_id	(Optional)
vrf_resolved	(Optional)
dest_udp	(Optional)
source_intf	(Optional)
source_ip	(Optional)
dscp	(Optional)
seqnum	(Optional)
exp_vers	(Optional)
samp_table_to	(Optional)
if_table_to	(Optional)
stats_to	(Optional)
temp_to	(Optional)

rec_sent	(Optional)
temp_sent	(Optional)
pkts_sent	(Optional)
bytes_sent	(Optional)
dest_unreach	(Optional)
buff_events	(Optional)
pkts_drop_no_route	(Optional)
pkts_drop_other	(Optional)
pkts_drop_lc_rp	(Optional)
pkts_drop_op_drops	(Optional)
time_last_cleared	(Optional)

Command Mode

- /exec

show flow glbl-pkt-cnt

show flow glbl-pkt-cnt

Syntax Description

show	Show running system information
flow	Show NetFlow information
glbl-pkt-cnt	Show global packet count

Command Mode

- /exec

show flow interface

show flow { interface [<intf>] | vlan [<vlan>] } [__readonly__ [{ TABLE_flow_interface [<intf_name>] [<vlan_id>] [<v4in_mon_name>] [<v4in_direction>] [<v4in_profile_id>] [<v6in_mon_name>] [<v6in_direction>] [<v6in_profile_id>] [<l2in_mon_name>] [<l2in_direction>] [<l2in_profile_id>] }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
interface	Flow interface information
intf	(Optional) Interface
vlan	Flow vlan information
vlan	(Optional) Vlan number
__readonly__	(Optional)
TABLE_flow_interface	(Optional) flow interface data
intf_name	(Optional) Interface
vlan_id	(Optional) VLAN ID
v4in_mon_name	(Optional) IPv4 Input monitor name
v4in_direction	(Optional) IPv4 Input direction
v4in_profile_id	(Optional) IPv4 Input profile id
v6in_mon_name	(Optional) IPv6 Input monitor name
v6in_direction	(Optional) IPv6 Input direction
v6in_profile_id	(Optional) IPv6 Input profile id
l2in_mon_name	(Optional) l2 Input monitor name
l2in_direction	(Optional) l2 Input direction
l2in_profile_id	(Optional) l2 Input profile id

Command Mode

- /exec

show flow monitor

show flow monitor [name] [<monitor> [cache [detailed]]] [__readonly__ [{ TABLE_flow_monitor <monitor> <use_count> [<description>] <record> <exporter1> <exporter2> <bucket_id> <src_addr> <dest_addr> <direction> <pkt_count> <byte_count> }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow Monitor
monitor	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
__readonly__	(Optional)
TABLE_flow_monitor	(Optional)
monitor	(Optional)
use_count	(Optional)
description	(Optional)
record	(Optional)
exporter1	(Optional)
exporter2	(Optional)
bucket_id	(Optional)
src_addr	(Optional)
dest_addr	(Optional)
direction	(Optional)
pkt_count	(Optional)
byte_count	(Optional)

Command Mode

- /exec

show flow record

show flow record [name] [{ <record> } | { netflow-original } | { netflow { protocol-port | layer2-switched { input } | { ipv4 | ipv6 | l2 } { original-input } } }] [__readonly__ [{ TABLE_flow_record <record> [<description>] <use_count> <template> [<match_ip_src>] [<match_ip_dst>] [<match_proto>] [<match_tos>] [<match_l4_src>] [<match_l4_dst>] [<match_ingress>] [<match_egress>] [<match_src_as_peer>] [<match_dst_as_peer>] [<match_ipv6_src>] [<match_ipv6_dst>] [<match_ipv6_flow>] [<match_ipv6_option>] [<match_ipv6_traffic>] [<match_l2_src>] [<match_l2_dst>] [<match_l2_src_vlan>] [<match_l2_dst_vlan>] [<match_l2_1q>] [<match_l2_cos>] [<match_l2_etype>] [<match_flow_dir_match>] [<match_ipv4v6_src>] [<match_ipv4v6_dst>] [<collect_src_as>] [<collect_dst_as>] [<collect_src_as_peer>] [<collect_dst_as_peer>] [<collect_fwd_status>] [<collect_ipv4_next_hop>] [<collect_ipv4_bgp_next>] [<collect_ipv6_next_hop>] [<collect_ipv6_bgp_next>] [<collect_tcp_flags>] [<collect_flow_dir>] [<collect_bytes>] [<collect_bytes_long>] [<collect_packets>] [<collect_packets_long>] [<collect_time_first>] [<collect_time_last>] [<collect_ingress_coll>] [<collect_egress_coll>] [<collect_sampler_id>] [<collect_ip_ver>] [<collect_packet_disp>] }]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific Flow Record
record	(Optional) Specify a record
netflow-original	(Optional) Traditional IPv4 input NetFlow with origin ASs
netflow	(Optional) Traditional NetFlow collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input NetFlow
input	(Optional) Input NetFlow
protocol-port	(Optional) Protocol and Ports aggregation scheme
__readonly__	(Optional)
TABLE_flow_record	(Optional) flow record data
record	(Optional)
description	(Optional)

use_count	(Optional)
template	(Optional)
match_ip_src	(Optional)
match_ip_dst	(Optional)
match_proto	(Optional)
match_tos	(Optional)
match_l4_src	(Optional)
match_l4_dst	(Optional)
match_ingress	(Optional)
match_egress	(Optional)
match_src_as_peer	(Optional)
match_dst_as_peer	(Optional)
match_ipv6_src	(Optional)
match_ipv6_dst	(Optional)
match_ipv6_flow	(Optional)
match_ipv6_option	(Optional)
match_ipv6_traffic	(Optional)
match_l2_src	(Optional)
match_l2_dst	(Optional)
match_l2_src_vlan	(Optional)
match_l2_dst_vlan	(Optional)
match_l2_1q	(Optional)
match_l2_cos	(Optional)
match_l2_etype	(Optional)
match_flow_dir_match	(Optional)
match_ipv4v6_src	(Optional)
match_ipv4v6_dst	(Optional)
collect_src_as	(Optional)
collect_dst_as	(Optional)

collect_src_as_peer	(Optional)
collect_dst_as_peer	(Optional)
collect_fwd_status	(Optional)
collect_ipv4_next_hop	(Optional)
collect_ipv4_bgp_next	(Optional)
collect_ipv6_next_hop	(Optional)
collect_ipv6_bgp_next	(Optional)
collect_tcp_flags	(Optional)
collect_flow_dir	(Optional)
collect_bytes	(Optional)
collect_bytes_long	(Optional)
collect_packets	(Optional)
collect_packets_long	(Optional)
collect_time_first	(Optional)
collect_time_last	(Optional)
collect_ingress_coll	(Optional)
collect_egress_coll	(Optional)
collect_sampler_id	(Optional)
collect_ip_ver	(Optional)
collect_packet_disp	(Optional)

Command Mode

- /exec

show flow sw-monitor

show flow sw-monitor [name] [<monitorname> [cache [detailed]]]

Syntax Description

show	Show running system information
flow	Show NetFlow information
sw-monitor	Show Monitor Configuration
name	(Optional) Show a specific Flow Monitor
monitorname	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents

Command Mode

- /exec

show flow timeout

show flow timeout [__readonly__ [<active_to>] [<inactive_to>] [<fast_to>] [<th_pkts>] [<agg_age_to>] <flush_cache_to>]

Syntax Description

show	Show running system information
flow	Show NetFlow information
timeout	Show NetFlow flow cache timeout values
__readonly__	(Optional)
active_to	(Optional)
inactive_to	(Optional)
fast_to	(Optional)
th_pkts	(Optional)
agg_age_to	(Optional)
flush_cache_to	(Optional)

Command Mode

- /exec

show flow tracer

show flow tracer

Syntax Description

show	Show running system information
flow	Show NetFlow information
tracer	Show packet tracer information

Command Mode

- /exec

show forwarding

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [ipv4] [route | rnhdb] [recursive] [summary | detail | platform | partial | <prefix> [longer-prefixes] [detail | platform] | <address> [detail | platform] |

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table id in hex
ipv4	(Optional) ipv4
route	(Optional) display IP routing table
rnhdb	(Optional) rnh-db
recursive	(Optional) display routes with recursive next hops
partial	(Optional) display routes with partial ECMPs
summary	(Optional) display route counts
prefix	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
address	(Optional) display single longest match route
detail	(Optional) show detailed information about the routes
platform	(Optional) one command to show pi and pd info together

Command Mode

- /exec

show forwarding adjacency

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ipv4] adjacency [mpls] [lisp] [nve] [<aif>] [<anh>] [detail | stats | platform] [module <module>] [__readonly__ [<adj-count>] [TABLE_adj { <fec> <nexthop> <rewinfo> <interface> <bgp_rnh> <bgp_orig_as> <bgp_peer_as> <pkts> <bytes> <exp> <src_addr> <dest_addr> <lisp_flags> <lisp_inst_id> <pltfm_key> <hh> <refcount> }] [TABLE_ip_adjacency { [<nh>] [<rwinfo>] [<intf>] [<intf_idx>] [<hhandle>] [<refcnt>] [<flags>] [<holder>] [<pbr_cnt>] [<wccp_cnt>] [<rewrite-p>] [TABLE_index { [<hw_adj>] [<cmn-idx>] [<lif>] [<buf-idx>] }] }]]

Syntax Description

show	
forwarding	display fib information
ipv4	(Optional) ipv4
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
lisp	(Optional) LISP adjacency information
nve	(Optional) VxLAN tunnel adjacency information
aif	(Optional) adjacency output interface
anh	(Optional) adjacency next hop
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
adj-count	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency
fec	(Optional) FEC info

nexthop	(Optional) next hop address
rewinfo	(Optional) rewrite information
interface	(Optional) output interface
bgp_rnh	(Optional) next hop address
bgp_orig_as	(Optional) bgp orig as
bgp_peer_as	(Optional) bgp peer as
exp	(Optional) exp mapping
pkts	(Optional) packet stats
bytes	(Optional) bytes stats
src_addr	(Optional) src address
dest_addr	(Optional) dest address
lisp_flags	(Optional) lisp flags
lisp_inst_id	(Optional) lisp instance id
pltfm_key	(Optional) platform key
hh	(Optional) Hardware Handle
refcount	(Optional) reference count
TABLE_ip_adjacency	(Optional) Table ip adjacency
nh	(Optional) next hop address
rwinfo	(Optional) rewrite information
intf	(Optional) output interface
intf_idx	(Optional) Interface index
hhandle	(Optional) Hw Handle
refcnt	(Optional) reference count
flags	(Optional) Adjacency flags
holder	(Optional) Holder bitmap
pbr_cnt	(Optional) PBR count
wccp_cnt	(Optional) WCCP count
rewrite-p	(Optional) Rewrite pointer
TABLE_index	(Optional) HW index table

hw_adj	(Optional) v4 adj hw index
cmn-idx	(Optional) CMN Index
lif	(Optional) LIF
buf-idx	(Optional) Buffer index

Command Mode

- /exec

show forwarding bypass-hardware

show forwarding bypass-hardware [module <module>]

Syntax Description

show	
forwarding	fib information
bypass-hardware	bypass hardware
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding capture

show forwarding capture [module <module>] [__readonly__ <type><len><data>]

Syntax Description

show	
forwarding	display fib information
capture	display capture buffer
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)

Command Mode

- /exec

show forwarding consistency l2

show { consistency-checker l2 module <modnum> | forwarding consistency l2 <modnum> } [__readonly__ <status> [<l2entry>] [<l2entry_ext>] [TABLE_mac_address <disp_mac_addr><disp_type><disp_vlan><disp_is_static><disp_age><disp_is_secure><disp_is_ntfy><disp_port>]]

Syntax Description

show	show
consistency-checker	Consistency Checker
forwarding	Forwarding information
consistency	consistency
l2	l2 consistency
module	Module number
modnum	Module Number
__readonly__	(Optional)
status	(Optional) Result of Consistency Checker
l2entry	(Optional) L2 entry
l2entry_ext	(Optional) L2 entry string
TABLE_mac_address	(Optional) Mac address table

Command Mode

- /exec

show forwarding distribution capture

show forwarding distribution capture [__readonly__ <type><len><data>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
capture	unicast capture buffer
__readonly__	(Optional)

Command Mode

- /exec

show forwarding distribution clients

show forwarding distribution clients [__readonly__ <id><pid><name><shms><shme><shmn>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
clients	unicast client information
__readonly__	(Optional)

Command Mode

- /exec

show forwarding distribution fib-state

show forwarding distribution fib-state [__readonly__ <slot> <state><ttc><tprc><tv4ac><tv6ac> { TABLE_fib_state <tid><tafi><prc><pc><tname> }]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
fib-state	unicast fib state info
__readonly__	(Optional)
slot	(Optional) slot number
TABLE_fib_state	(Optional) fib-state table

Command Mode

- /exec

show forwarding distribution ip igmp snooping

show forwarding distribution ip igmp snooping [vlan <vlan-id> [group [<grpaddr> | <mac-grpaddr>] [source <srcaddr>]]] [detail] [__readonly__ <refcount> <oiflist_id> <last_oiflist_id> <ftag-id>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	IPV4 information
igmp	MFDM IGMP information
snooping	L2 mcast snooping related information
vlan	(Optional) Info specific to a vlan
vlan-id	(Optional) Vlan id value
group	(Optional) Group specific information
grpaddr	(Optional) Group address
mac-grpaddr	(Optional) Group MAC address
source	(Optional) (G,S) specific information
srcaddr	(Optional) Source address
detail	(Optional) Detailed display
__readonly__	(Optional)
refcount	(Optional) Reference Count
oiflist_id	(Optional) OIF list Identifier
last_oiflist_id	(Optional) Last OIF list Identifier
ftag-id	(Optional) ftag Id

Command Mode

- /exec

show forwarding distribution ipv6 multicast route

show forwarding distribution ipv6 multicast route [table <table_id> | vrf <vrf-name>] [[group { <group> }] [source { <source> }] | summary] [__readonly__ <table_type> <num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif> <address> <flag> <route_pkts> <route_bytes> <mti_src_if> <mti_grp_ip> <mti_src_ip>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	display fib distribution information
ipv6	IPV6 related information
multicast	display IPv6 multicast information
route	display routing table
vrf	(Optional) display routes for a specific VRF
vrf-name	(Optional) VRF name
table	(Optional) table
table_id	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	(Optional) display route counts
__readonly__	(Optional)
table_type	(Optional) Table Type
num_routes	(Optional) Number of routes
num_starg_routes	(Optional) Number of (*,G) routes
num_sg_routes	(Optional) Number of (S,G) routes
num_gprefix_routes	(Optional) Number of (*,G-prefix) routes
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
address	(Optional) Ipv6 address string
src_len	(Optional) Source Address Mask

grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
flag	(Optional) Route type flag
route_pkts	(Optional) Route packet count
route_bytes	(Optional) Route bytes
mti_src_if	(Optional) MTI Source Ifindex
mti_grp_ip	(Optional) MTI Group IP Address
mti_src_ip	(Optional) MTI Source IP Address

Command Mode

- /exec

show forwarding distribution l2 multicast

show forwarding distribution l2 multicast [ip-based | mac-based] [vlan <vlan-id> [{ group <grpaddr> [source <srcaddr>] } | destination-mac <dmac>]] [summary] [__readonly__ <refcount> <oiflist_id> <last_oiflist_id> <ftag-id> <src_str> <grp_str> <vlan> <num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
l2	L2 information
multicast	L2 multicast information
ip-based	(Optional) IPv4 based
mac-based	(Optional) MAC based
vlan	(Optional) Info specific to a vlan
vlan-id	(Optional) Vlan id value
group	(Optional) Group specific information
grpaddr	(Optional) Group address
source	(Optional) (G,S) specific information
srcaddr	(Optional) Source address
destination-mac	(Optional) Destination MAC specific information
dmac	(Optional) Destination MAC address
summary	(Optional) display route counts
__readonly__	(Optional)
refcount	(Optional) Reference Count
oiflist_id	(Optional) OIF list Identifier
last_oiflist_id	(Optional) Last OIF list Identifier
ftag-id	(Optional) ftag Id
src_str	(Optional) Source
grp_str	(Optional) Group

vlan	(Optional) vlan_id
num_routes	(Optional) Number of routes
num_starg_routes	(Optional) Number of (*,G) routes
num_sg_routes	(Optional) Number of (S,G) routes
num_gprefix_routes	(Optional) Number of (*,G-prefix) routes

Command Mode

- /exec

show forwarding distribution logging

show forwarding distribution logging [enable | disable]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
logging	enable/disable file logging
enable	(Optional) start file logging
disable	(Optional) stop file logging

Command Mode

- /exec

show forwarding distribution multicast

show forwarding distribution multicast [messages] [__readonly__ <fibstate> <slot> <accepting_routes> <num_accepting_routes>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information
__readonly__	(Optional)
fibstate	(Optional) IP Multicast FIB process state
slot	(Optional) Slot
accepting_routes	(Optional) Indicates whether FIB is accepting routes
num_accepting_routes	(Optional) Number of fibs accepting routes

Command Mode

- /exec

show forwarding distribution multicast client-ack-db

show forwarding distribution multicast client-ack-db [__readonly__ <xid> <num_recepients> <num_responses>]

Syntax Description

show	show
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast
client-ack-db	Displays the client ack db
__readonly__	(Optional)
xid	(Optional) XID
num_recepients	(Optional) Number of recepients
num_responses	(Optional) Number of responses

Command Mode

- /exec

show forwarding distribution multicast client

show forwarding distribution multicast client [__readonly__ <num-clients> <client-name> <client-id> <shmem-name>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
client	Show multicast distribution client information
__readonly__	(Optional)
num-clients	(Optional) Number of Clients registered
client-name	(Optional) Client Name
client-id	(Optional) Client-id
shmem-name	(Optional) Shared Memory Segment Name

Command Mode

- /exec

show forwarding distribution multicast download

show forwarding distribution multicast download

Syntax Description

show	
forwarding	forwarding information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
download	show download queues

Command Mode

- /exec

show forwarding distribution multicast mfib

show forwarding distribution multicast { mfib-txlist [vrf <vrf-name>] | mfib-buffers } [__readonly__ <no-free-buffers> <no-used-buffers>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
mfib-txlist	Show MFIB transmission-list information
vrf	(Optional) Specify VRF
vrf-name	(Optional) Specify VRF name
mfib-buffers	Show MFIB route buffer information
__readonly__	(Optional)
no-free-buffers	(Optional) Number of Free txlist MFIB buffers
no-used-buffers	(Optional) Number of Used txlist MFIB buffers

Command Mode

- /exec

show forwarding distribution multicast outgoing-interface-list

show forwarding distribution multicast outgoing-interface-list { L2 | L3 | OTV } [<index>] [__readonly__ <platform_index> <ref_count> <num_oif> <oif>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
outgoing-interface-list	Outgoing interface list
L2	Layer 2 oiflist
L3	Layer 3 oiflist
OTV	OTV oiflist
index	(Optional) Outgoing Interface List index
__readonly__	(Optional)
platform_index	(Optional) Platform index
ref_count	(Optional) Reference count
num_oif	(Optional) Number of outgoing interfaces
oif	(Optional) OIF name

Command Mode

- /exec

show forwarding distribution multicast resp-ack-timer-msgs

show forwarding distribution multicast resp-ack-timer-msgs

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
multicast	Multicast information
resp-ack-timer-msgs	show response ack timers for MFDM

Command Mode

- /exec

show forwarding distribution multicast route

show forwarding distribution [ip] multicast route [table <id> | vrf { <vrf_name> | all }] [[group { <gaddr> [<mask>] | <gprefix> }] [source { <saddr> [<smask>] | <sprefix> }] | summary] [__readonly__ <table_name> <num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes> <src_len> <grp_len> <df_ordinal> <rpfif> <rpf_ifname> <flag> <flag_value> <num_groups> <num_sources> <refcount> <oiflist_id> <oif_count> <oif_name> <oif_ifindex> <bytecnt> <pktcnt> <mti_src_if> <mti_grp_ip> <mti_src_ip>]

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	FIB distribution information
ip	(Optional) IPV4 information
multicast	Multicast information
route	Multicast route related information
vrf	(Optional) Specify VRF
vrf_name	(Optional) Specify VRF name
all	(Optional) Display information for all VRFs
table	(Optional) Specify Multicast Routing Table
id	(Optional) Multicast Routing Table Identifier
group	(Optional) IPv4 Multicast Group specific
gaddr	(Optional) IPv4 Multicast Group Address
mask	(Optional) mask for group ip address
gprefix	(Optional) IPv4 Multicast Group Prefix
source	(Optional) IPv4 Multicast Source specific
saddr	(Optional) IPv4 Source Address
smask	(Optional) mask for group ip address
sprefix	(Optional) IPv4 Multicast Source Prefix
summary	(Optional) display route counts
__readonly__	(Optional)
table_name	(Optional) Table name

num_routes	(Optional) Number of routes
num_starg_routes	(Optional) Number of (*,G) routes
num_sg_routes	(Optional) Number of (S,G) routes
num_gprefix_routes	(Optional) Number of (*,G-prefix) routes
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
rpf_ifname	(Optional) RPF Interface ifName
flag	(Optional) Route type flag
flag_value	(Optional) hex value of route flag
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
refcount	(Optional) Reference Count
oiflist_id	(Optional) OIF list Identifier
oif_count	(Optional) Number of OIFs
oif_name	(Optional) OIF Name
oif_ifindex	(Optional) OIF ifIndex
bytecnt	(Optional) Current Byte counter
pktcnt	(Optional) Current Packet counter
mti_src_if	(Optional) MTI Source Ifindex
mti_grp_ip	(Optional) MTI Group IP Address
mti_src_ip	(Optional) MTI Source IP Address

Command Mode

- /exec

show forwarding distribution nve overlay-vlan

show forwarding distribution nve overlay-vlan [__readonly__ <str>]

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
nve	nve distribution info
overlay-vlan	overlay-vlan adjacency info
__readonly__	(Optional)
str	(Optional)

Command Mode

- /exec

show forwarding distribution pauz

show forwarding distribution { pauz | rezum }

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
pauz	start black-holing routes
rezum	stop black-holing routes

Command Mode

- /exec

show forwarding distribution peer-id

show forwarding distribution peer-id [vpls | otv] [__readonly__ <header> TABLE_peer_id <app> <vlan> <id> <peer_id>]

Syntax Description

show	Show running system information
forwarding	forwarding information
distribution	fib distribution info
peer-id	HW Peer-id allocation info
vpls	(Optional) VPLS
otv	(Optional) OTV
__readonly__	(Optional)
header	(Optional) Header
TABLE_peer_id	(Optional) Peer ID table
app	(Optional) OTV/VPLS
vlan	(Optional) VLAN
id	(Optional) ID
peer_id	(Optional) Peer-ID

Command Mode

- /exec

show forwarding distribution test on

show forwarding distribution test { on | off }

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution information
test	show test variable
on	set variable
off	reset variable

Command Mode

- /exec

show forwarding distribution trace

show forwarding distribution trace

Syntax Description

show	
forwarding	Display Forwarding Information
distribution	fib distribution info
trace	unicast trace information

Command Mode

- /exec

show forwarding dvif primary

show forwarding dvif primary

Syntax Description

show	show
forwarding	forwarding
dvif	simulate dvif region role change
primary	role has become primary

Command Mode

- /exec

show forwarding dvif secondary

show forwarding dvif secondary

Syntax Description

show	show
forwarding	forwarding
dvif	simulate dvif region role change
secondary	role has become secondary

Command Mode

- /exec

show forwarding ecmp

show forwarding ecmp [{ [vrf { <vrf-name> | <vrf-known-name> }] lisp }] [platform] [module <module>] [partial] [__readonly__ [<header> <ecmp_hash> <intf> <nh> <v6nh> <hw_index> <num_mpls> <holder> <refcount> <num_paths> <sw_ptr> <ecmp_partial>] [TABLE_ecmp { [<hash>] [<num_paths>] [<hwindex>] [<ecmppartial>] [TABLE_index { [<ecmp_idx>] [<cmn_idx>] }] [<refcnt>] [<ecmp_holder>] } [TABLE_adjacency { [<intf>] [<nh>] [<v6nh>] [<hw_adj_idx>] [<hw_cmn_idx>] [<lif>] [<hw_nve_adj_idx>] [<hw_nve_cmn_idx>] [<nve_lif>] }] [<vobj_count>] [<vxlan_vobj_count>] [<vxlan>] [<vobj_list_header>] [<vobj-id>]]]

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
lisp	(Optional) Show information about LISP ECMPs
platform	(Optional) one command to show pi and pd info together
module	(Optional) slot
module	(Optional) slot number
partial	(Optional) Show partially installed ECMPs
__readonly__	(Optional)
header	(Optional) o/p header
ecmp_hash	(Optional) ecmp hash
intf	(Optional) interface
nh	(Optional) next hop
v6nh	(Optional) V6 next hop
hw_index	(Optional) Hw index
num_mpls	(Optional) No of MPLS ecmp
holder	(Optional) holder bitmap
refcount	(Optional) refcount
sw_ptr	(Optional) Software pointer

num_paths	(Optional) No of paths
ecmp_partial	(Optional) partial ecmp
TABLE_ecmp	(Optional) ecmp table
hash	(Optional) ecmp hash
num_paths	(Optional) No of paths
hwindex	(Optional) Hw index
ecmppartial	(Optional) partial ecmp
TABLE_index	(Optional) index table
ecmp_idx	(Optional) hw ecmp index
cmn_idx	(Optional) cmn index
refcnt	(Optional) refcount
ecmp_holder	(Optional) holder bitmap
TABLE_adjacency	(Optional) adjacency table
intf	(Optional) interface
nh	(Optional) next hop
v6nh	(Optional) v6 next hop
hw_adj_idx	(Optional) hw adj index
hw_cmn_idx	(Optional) hw cmn index
lif	(Optional) lif
hw_nve_adj_idx	(Optional) nve adj index
hw_nve_cmn_idx	(Optional) nve cmn index
nve_lif	(Optional) nve lif
vobj_count	(Optional) vobj count
vxlan_vobj_count	(Optional) vxlan vobj count
vxlan	(Optional) vxlan
vobj_list_header	(Optional) vobj list header
vobj-id	(Optional) vobj id

Command Mode

- /exec

show forwarding ecmp recursive

show forwarding ecmp recursive [platform] [max-display-count <display_count>] [module <module>] [partial] [__readonly__ [TABLE_vobj { [<header_vobj>] [<header_ecmp>] } [TABLE_vobj_idx { [<hw_vobj_index>] [<cmn_index>] }] [<num_pfxs>] [<ecmp_partial>] [<activepath_hdr>] [TABLE_activepath { [<ap_nh>] [<ap_v6nh>] [<ap_rnh_len>] [<ap_nh_vpn_label>] [<ap_rnh_table_id>] [<ap_nh_weight>] }] [<backuppath_hdr>] [TABLE_backuppath { [<bp_nh>] [<bp_v6nh>] [<bp_nh_vpn_label>] [<bp_rnh_table_id>] [<bp_nh_weight>] }] [<cnh_hdr>] [TABLE_cnh { [<nh>] [<v6nh>] [<intf>] [TABLE_cnh_adj { [<hw_adj>] [<hw_cmn_index>] [<lif>] }] }] [<hw_inst_n>] [<ls_count_n>] [<hw_inst_o>] [<ls_count_o>] [<fec_type>] [<header_fec_ecmp>] [<hw_vobj_fec_idx>] [<cmn_idx>] [<vobj_hw_inst_n>] [<vobj_ls_count_n>] [<vobj_hw_inst_o>] [<vobj_ls_count_o>] [<vobj_refcount>]] <header> <num_pfxs> <rnh_table_id> <nh> <rnh_len> <v6nh> <hw_instance> <nh_vpn_label> <nh_weight> <cnh_intf> <ecmp_partial>]

Syntax Description

show	
forwarding	Display fib information
ecmp	Show information about ECMPs
recursive	Show information about recursive ECMPs
platform	(Optional) one command to show pi and pd info together
module	(Optional) slot
partial	(Optional) Show partially installed ECMPs
module	(Optional) slot number
max-display-count	(Optional) displays max # of routes
display_count	(Optional) count
__readonly__	(Optional)
TABLE_vobj	(Optional) Table vobj
header_vobj	(Optional) vobj o/p header
header_ecmp	(Optional) ecmp o/p header
TABLE_vobj_idx	(Optional) Table vobj index
hw_vobj_index	(Optional) HW VOBJ Index
cmn_index	(Optional) cmn index
num_pfxs	(Optional) Number of prefixes using this virtual object
ecmp_partial	(Optional) partial ecmp

activepath_hdr	(Optional) o/p header
TABLE_activepath	(Optional) table active path
ap_nh	(Optional) Next hop info
ap_v6nh	(Optional) v6 Next hop info
ap_rnh_len	(Optional) Next hop mask length
ap_nh_vpn_label	(Optional) NH VPN label
ap_rnh_table_id	(Optional) The table id where the RNHs are present
ap_nh_weight	(Optional) weighted ecmp info
backuppath_hdr	(Optional) o/p header
TABLE_backuppath	(Optional) backup path table
bp_nh	(Optional) Next hop info
bp_v6nh	(Optional) v6 Next hop info
bp_nh_vpn_label	(Optional) NH VPN label
bp_rnh_table_id	(Optional) The table id where the RNHs are present
bp_nh_weight	(Optional) weighted ecmp info
cnh_hdr	(Optional) o/p header
TABLE_cnh	(Optional) cnh table
nh	(Optional) Next hop info
v6nh	(Optional) v6 Next hop info
intf	(Optional) cnh output interface
TABLE_cnh_adj	(Optional) Table cnh adjacency
hw_adj	(Optional) cnh hw adjacency
hw_cmn_index	(Optional) cnh hw cmn idx
lif	(Optional) lif
hw_inst_n	(Optional) Hardware instance info new
ls_count_n	(Optional) ls count new
hw_inst_o	(Optional) Hardware instance info old
ls_count_o	(Optional) ls count old
fec_type	(Optional) fec type

header_fec_ecmp	(Optional) o/p header
hw_vobj_fec_idx	(Optional) hw fec idx
cmn_idx	(Optional) cmn idx
vobj_hw_inst_n	(Optional) vobj hw instance
vobj_ls_count_n	(Optional) ls count new
vobj_hw_inst_o	(Optional) hw instnace info old
vobj_ls_count_o	(Optional) ls count old
vobj_refcount	(Optional) vobj refcount
header	(Optional) o/p header
num_pfxs	(Optional) Number of prefixes using this virtual object
rnh_table_id	(Optional) The table id where the RNHs are present
nh	(Optional) Next hop info
rnh_len	(Optional) Next hop mask length
v6nh	(Optional) V6 Next hop info
hw_instance	(Optional) Hardware instance info
nh_vpn_label	(Optional) NH VPN label
nh_weight	(Optional) weighted ecmp info
cnh_intf	(Optional) cnh output interface
ecmp_partial	(Optional) partial ecmp

Command Mode

- /exec

show forwarding file-log disable

show forwarding file-log disable

Syntax Description

show	show
forwarding	forwarding
file-log	logging to tmp file
disable	disable

Command Mode

- /exec

show forwarding file-log enable

show forwarding file-log enable

Syntax Description

show	show
forwarding	forwarding
file-log	logging to tmp file
enable	enable

Command Mode

- /exec

show forwarding interfaces

show forwarding interfaces [module <module>] [__readonly__ <intf> <v4adjcnt> <v6adjcnt> <rpfmode> <mac>]

Syntax Description

show	
forwarding	fib information
interfaces	show fib interface info
__readonly__	(Optional)
intf	(Optional) interface name
module	(Optional) slot
module	(Optional) slot number
v4adjcnt	(Optional) count of v4 adjacencies
v6adjcnt	(Optional) count of v6 adjacencies
mac	(Optional) mac address
rpfmode	(Optional) uRPF mode

Command Mode

- /exec

show forwarding ipv6 adjacency

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 adjacency [mpls] [<aif>] [<anh>] [detail | stats | platform] [module <module>] [__readonly__ [<adj-count>] [TABLE_adj { <fec> <nexthop> <rewinfo> <interface> <pkts> <bytes> <bgp_rnh> <bgp_orig_as> <bgp_peer_as> <hh> <refcount> }] [TABLE_v6_adj { [<nh>] [<rwinfo>] [<intf>] [<intf_idx>] [<hh>] [<refcnt>] [<flags>] [<holder>] [<pbr_cnt>] [<wccp_cnt>] [TABLE_index { [<hw_adj>] [<cmn-idx>] [<lif>] }] }]]

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
adjacency	display adjacency information
platform	(Optional) one command to show pi and pd info together
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
mpls	(Optional) mpls adjacency information
aif	(Optional) adjacency output interface
detail	(Optional) detail
stats	(Optional) adjacency statistics
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
adj-count	(Optional) total adj count
TABLE_adj	(Optional) Table Adjacency
fec	(Optional) FEC info
nexthop	(Optional) next hop address
rewinfo	(Optional) rewrite information
interface	(Optional) output interface
pkts	(Optional) packet stats

bytes	(Optional) bytes stats
bgp_rnh	(Optional) next hop address
bgp_orig_as	(Optional) bgp orig as
bgp_peer_as	(Optional) bgp peer as
hh	(Optional) Hardware Handle
refcount	(Optional) reference count
TABLE_v6_adj	(Optional) Table Adjacency
nh	(Optional) next hop address
rwinfo	(Optional) rewrite information
intf	(Optional) output interface
intf_idx	(Optional) Interface index
hh	(Optional) Hardware Handle
refcnt	(Optional) reference count
flags	(Optional) Adjacency flags
holder	(Optional) Holder bitmap
pbr_cnt	(Optional) PBR count
wccp_cnt	(Optional) WCCP count
TABLE_index	(Optional) HW index table
hw_adj	(Optional) v4 adj hw index
cmn-idx	(Optional) CMN Index
lif	(Optional) LIF

Command Mode

- /exec

show forwarding ipv6 multicast route

show forwarding [vrf { <vrf-name> | <vrf-known-name> | all } | table <tab_id>] ipv6 multicast route { [group { <group> | <group_addr> } | source { <source> | <source_addr> } | module <module> | vrf { <vrf-name> | all }] + | summary [module <module> | vrf { <vrf-name> | <vrf-known-name> | all }] + } [__readonly__ <table_type> <num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes> <num_prefix_insert_fail> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif> <address> <flag> <route_pkts> <route_bytes>]

Syntax Description

show	
forwarding	display fib information
ipv6	ipv6
multicast	IPV6 related Multicast information
route	Multicast route information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
tab_id	(Optional) table number
group	(Optional) Multicast IPv6 Group Address
source	(Optional) Multicast IPv6 Source Address
summary	display route counts
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
table_type	(Optional) Table Type
num_routes	(Optional) Number of routes
num_starg_routes	(Optional) Number of (*,G) routes
num_sg_routes	(Optional) Number of (S,G) routes
num_gprefix_routes	(Optional) Number of (*,G-prefix) routes

num_prefix_insert_fail	(Optional) Prefix insert fail count
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
address	(Optional) Ipv6 address string
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
flag	(Optional) Route type flag
route_pkts	(Optional) Route packet count
route_bytes	(Optional) Route bytes

Command Mode

- /exec

show forwarding ipv6 pss route

show forwarding [vrf { <vrf-name> | <vrf-known-name> } | table <table_id>] ipv6 pss route [module <module>]

Syntax Description

show	show
forwarding	forwarding
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
table	(Optional) display info per vpn-id
table_id	(Optional) table number
ipv6	ipv6
pss	display info from pss
route	route
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding ipv6 route

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] ipv6 { route | rnhdb } [recursive] [detail | summary | platform | partial | <prefix> [longer-prefixes] [detail | platform] | <address> [detail | platform] | interface <interface> | next-hop <nh> | attached | unresolved | adjacency { <aif> <anh> | drop | glean | punt }] [max-display-count <display_count>] [module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ [TABLE_vrf { [<vrfname>] [<tblname>] [<tableid>] [<prefix_count>] [TABLE_prefix { [<pfx>] [TABLE_path { [<nexthop> | <special>] [<intf>] [<route_count>] [<path_count>] [<mask_length>] [<routes_per_mask>] }] [<hw_handle>] [<flags>] [<holder>] [<nxt_obj_type>] [<hw_idx_v6adj>] [<cmn-idx>] [<lif>] [<buf-idx>] }] }]]

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table id in hex
ipv6	ipv6
route	display IP routing table
platform	(Optional) one command to show pi and pd info together
rnhdb	rnhdb
recursive	(Optional) display routes with recursive next hops
detail	(Optional) show detailed information about the routes
summary	(Optional) display route counts
partial	(Optional) display routes with partial ECMPs
longer-prefixes	(Optional) display longer prefixes
interface	(Optional) display routes with this output i/f only
interface	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
attached	(Optional) display directly connected routes

unresolved	(Optional) display unresolved routes
adjacency	(Optional) display routes via specified adjacency
aif	(Optional) adjacency output interface
drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
module	(Optional) slot number
max-display-count	(Optional) displays max # of routes
display_count	(Optional) count
__readonly__	(Optional)
TABLE_vrf	(Optional) vrf table
vrfname	(Optional) VRF name
tblname	(Optional) table name
tableid	(Optional) table id
prefix_count	(Optional) total number of prefix in VRF
TABLE_prefix	(Optional) all xml prefix entries
pfx	(Optional) ipv6 prefix
TABLE_path	(Optional) path table
nexthop	(Optional) next hop address
special	(Optional) special adjacencies
intf	(Optional) output interface
hw_handle	(Optional) hw handle
flags	(Optional) flags
holder	(Optional) holder
nxt_obj_type	(Optional) next obj type
hw_idx_v6adj	(Optional) v6 adj hw idx
cmn-idx	(Optional) cmn idx
lif	(Optional) lif

buf-idx	(Optional) buf idx
route_count	(Optional) total number of routes in VRF
path_count	(Optional) total number of paths in VRF
mask_length	(Optional) length of mask
routes_per_mask	(Optional)

Command Mode

- /exec

show forwarding kvfib cache on

show forwarding kvfib cache { on | off }

Syntax Description

show	
forwarding	fib information
kvfib	kvfib
cache	cache
on	set variable
off	reset variable

Command Mode

- /exec

show forwarding l2 multicast

show forwarding l2 multicast { [{ vlan <vlan-id> [{ group <grpaddr> source <srcaddr> } | destination-mac <dstmac>] }] } [vdc <vdc-id>] [module <num>] [__readonly__ <epoch> <resource_id> <dest_index> <hw_handle> <dmac> <text> <value>]

Syntax Description

show	Show running system information
forwarding	Forwarding information
l2	L2 related information
multicast	Multicast related information
vlan	(Optional) Information Specific to a Vlan
vlan-id	(Optional) Vlan id value
group	(Optional) (S,G) specific information
grpaddr	(Optional) Group address
source	(Optional) source specific information
srcaddr	(Optional) Source address
destination-mac	(Optional) Destination MAC address
dstmac	(Optional) Ethernet MAC address
vdc	(Optional) VDC
vdc-id	(Optional) VDC id
module	(Optional) Slot
num	(Optional) Slot number
__readonly__	(Optional)
resource_id	(Optional) Resource Identifier
dest_index	(Optional) Destination Index Identifier
epoch	(Optional) Epoch number
hw_handle	(Optional) Hardware Handle
dmac	(Optional) Destination MAC address
text	(Optional) String
value	(Optional) Value

Command Mode

- /exec

show forwarding l2vpn ipv6 multicast route

show forwarding l2vpn ipv6 multicast route [[vlan <vlan-id>] | [softwarebd <software-bd>]] [module <module>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	Layer 2 VPN
ipv6	ipv6
multicast	Multicast IPv6 information
route	Mcast route information
vlan	(Optional) vlan
softwarebd	(Optional) Software Bridge Domain
vlan-id	(Optional) vlan id
software-bd	(Optional) Software bd
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn label vpls

show forwarding l2vpn label [<label_id>] vpls [module module] [__readonly__ <label_id>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
label_id	(Optional) VC label
vpls	VPLS
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
label_id	(Optional) Label ID

Command Mode

- /exec

show forwarding l2vpn label xconnect

show forwarding l2vpn label [<label_id>] xconnect [module module] [__readonly__ <label_id>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
label	VC label
label_id	(Optional) VC label
xconnect	xconnect or VPWS
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
label_id	(Optional) Label ID

Command Mode

- /exec

show forwarding l2vpn multicast outgoing-interface-list

show forwarding l2vpn multicast outgoing-interface-list [index <oiflist-index>]

Syntax Description

show	
forwarding	Forwarding information
l2vpn	Layer 2 VPN
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
index	(Optional) oiflist index
oiflist-index	(Optional) oiflist-index

Command Mode

- /exec

show forwarding l2vpn multicast route

show forwarding l2vpn multicast route [[vlan <vlan-id>] | [softwarebd <software-bd>]] [module <module>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	Layer 2 VPN
multicast	Multicast IPv4 information
route	Mcast route information
vlan	(Optional) vlan
softwarebd	(Optional) Software Bridge Domain
vlan-id	(Optional) vlan id
software-bd	(Optional) Software bd
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding l2vpn service vpls

show forwarding l2vpn service vpls { { service_id { <service_id> | all } } | { vlan { <vlan_id> | vlan_all } } | { peer { { interface <intf-name> | next-hop <addr> | peer_all } } } } [module <module>] [detail]

Syntax Description

show	show
forwarding	display fib information
l2vpn	l2vpn forwarding
service	Services
vpls	Vpls
service_id	Specifies a service_id
service_id	service ID
all	all VPLS services
vlan	VLAN info
vlan_id	VLAN number
vlan_all	all VPLS services
peer	define the peer
peer_all	all peers
interface	PW interface for peer
intf-name	interface name
next-hop	Next hop to reach the peer
addr	IP address
module	(Optional) slot
module	(Optional) slot number
detail	(Optional) Display detailed information

Command Mode

- /exec

show forwarding l2vpn service xconnect

show forwarding l2vpn service xconnect { service_id { <service_id> | all } } [module <module>] [detail]

Syntax Description

show	show
forwarding	display fib information
l2vpn	l2vpn forwarding
service	Services
xconnect	xconnect or VPWS
service_id	Specify a service_id in hex
service_id	service ID
all	All service-id will be displayed
module	(Optional) slot
module	(Optional) slot number
detail	(Optional) Display detailed information

Command Mode

- /exec

show forwarding l2vpn vlan

show forwarding l2vpn vlan [<vlan_id>] [module <module>] [__readonly__ <vlan>]

Syntax Description

show	show
forwarding	forwarding
l2vpn	l2vpn forwarding
vlan	vlan
vlan_id	(Optional) vlan id
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
vlan	(Optional) vlan

Command Mode

- /exec

show forwarding mpls

show forwarding mpls [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } [label <label-id> | <prefix> | <v6prefix>] | table <table_id> [label <label-id> | <prefix> | <v6prefix>] | label-space <label-space-id> | label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform] [__readonly__ [{ TABLE_mpls <label> [<out-table-id>] [<fec>] [<out-ip>] [<out-intf>] [<out-label>] [<out-op>] [<hh>] [<ref-count>] [<in-pkts>] [<in-bytes>] [<out-pkts>] [<out-bytes>] }]]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known vrf name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
label-space	(Optional) label space
label-space-id	(Optional) label space id
label	(Optional) mpls labels
label-id	(Optional) mpls label value
prefix	(Optional) Labels for single exact match route
module	(Optional) slot
module	(Optional) slot number
stats	(Optional) Label Statistics
implicit	(Optional) Display implicit label
platform	(Optional) Display platform information
__readonly__	(Optional)
TABLE_mpls	(Optional)
label	(Optional) mpls label value
out-table-id	(Optional) Output table-id

fec	(Optional) Prefix/Tunnel ID
out-ip	(Optional) Output Next Hop
out-intf	(Optional) Output Interface
out-label	(Optional) Output Label
out-op	(Optional) Output Label op
hh	(Optional) Hardware Handle
ref-count	(Optional) Ref Count
in-pkts	(Optional) Label Input Packet Stats
in-bytes	(Optional) Label Input Bytes Stats
out-pkts	(Optional) Label Output Packet Stats
out-bytes	(Optional) Label Output Bytes Stats

Command Mode

- /exec

show forwarding mpls aggregate

show forwarding mpls aggregate [label { <label-id> | all }] [detail] [module <module>] [__readonly__ [{ TABLE_label_info <label> <id> [<sw_index>] }]]

Syntax Description

show	
forwarding	display fib information
mpls	mpls forwaring
aggregate	aggregate label
label	(Optional) label
label-id	(Optional) label-id
all	(Optional) all
detail	(Optional) detail
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
TABLE_label_info	(Optional)
label	(Optional)
id	(Optional)
sw_index	(Optional)

Command Mode

- /exec

show forwarding mpls cbts

show forwarding mpls cbts [module <module>] [__readonly__ [{ TABLE_cbts <label> [<out-intf>] [<out-table-id>] [<out-ip>] [<out-op>] }]]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwaring
cbts	cbts labels
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
TABLE_cbts	(Optional)
label	(Optional) mpls label value
out-intf	(Optional) Output Interface
out-table-id	(Optional) Output table-id
out-ip	(Optional) Output Next Hop
out-op	(Optional) Output Label op

Command Mode

- /exec

show forwarding mpls drop-stats

show forwarding mpls drop-stats [platform | label0-fwd-stats] [__readonly__ <pkts> <bytes>]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
drop-stats	MPLS dropped packets
platform	(Optional) command to display stats per chip
label0-fwd-stats	(Optional) command to display stats for label0
__readonly__	(Optional)
pkts	(Optional) Label Packet Stats
bytes	(Optional) Label Bytes Stats

Command Mode

- /exec

show forwarding mpls ecmp

show forwarding mpls ecmp [module <module>] [platform] [__readonly__ [{ TABLE_ecmp <type> <num_paths> <ip_paths> <mpls_paths> <ecmp_hash> <holder> <refcount> <hw_index> [{ TABLE_ecmp_paths <out-intf> <out-ip> <label_info> <hh> <refcount> }] }]]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
ecmp	mpls ecmps
module	(Optional) slot
module	(Optional) slot number
platform	(Optional) show pd info
__readonly__	(Optional)
TABLE_ecmp	(Optional)
type	(Optional) ecmp type
num_paths	(Optional) No of paths
ip_paths	(Optional) No of ip paths
mpls_paths	(Optional) No of mpls paths
ecmp_hash	(Optional) ecmp hash
holder	(Optional) holder bitmap
refcount	(Optional) refcount
hw_index	(Optional) Hw index
TABLE_ecmp_paths	(Optional)
out-intf	(Optional) Output Interface
out-ip	(Optional) Output Next Hop
label_info	(Optional) rew info
hh	(Optional) Hardware Handle
refcount	(Optional) refcount

Command Mode

- /exec

show forwarding mpls option_b

show forwarding mpls option_b [label <label>] [module <module>] [platform] [__readonly__ [{ TABLE_mpls_opt_b <label> [<prefix>] [<v6prefix>] [<nxhop>] [<out-interface>] [<out-op>] }]]

Syntax Description

show	show
forwarding	forwarding
mpls	mpls forwarding
option_b	Option B
label	(Optional) mpls labels
label	(Optional) mpls label value
module	(Optional) slot
module	(Optional) slot number
platform	(Optional) show pd info
__readonly__	(Optional)
TABLE_mpls_opt_b	(Optional)
label	(Optional) mpls label value
prefix	(Optional) Output Interface
nxhop	(Optional) Output Next Hop
out-interface	(Optional) Output Label op
out-op	(Optional) Output Label op

Command Mode

- /exec

show forwarding mpls srte module

show forwarding mpls srte module [<module>] [__readonly__ [{ TABLE_srte <table-id> [{ TABLE_binding_label <binding-label> <parent-table-id> <parent-vobj-id> [{ TABLE_prefix <prefix> <vrf> }] }] }]]

Syntax Description

show	Show
forwarding	Forwarding information
mpls	mpls forwaring
srte	SR Traffic Engineering
module	slot
module	(Optional) slot number
__readonly__	(Optional)
TABLE_srte	(Optional)
table-id	(Optional) table id
TABLE_binding_label	(Optional)
binding-label	(Optional) binding label
parent-table-id	(Optional) parent table id
parent-vobj-id	(Optional) parent vobj id
TABLE_prefix	(Optional)
prefix	(Optional) prefix
vrf	(Optional) vrf

Command Mode

- /exec

show forwarding mpls summary

show forwarding mpls summary [module <module>] [__readonly__ [{ TABLE_labels <space> <count> } <total_deagg_labels> <total_deagg_labels>]]

Syntax Description

show	show
forwarding	display fib information
mpls	mpls forwarding
summary	summary
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
TABLE_labels	(Optional)
space	(Optional) label space
count	(Optional) number of labels
total_deagg_labels	(Optional) total deagg labels
total_deagg_labels	(Optional) total deagg labels

Command Mode

- /exec

show forwarding mpls te

show forwarding mpls te [<te_if>] [detail] [module <module>] [__readonly__ { TABLE_te <id> [<midpoint_source>] [<dest>] [<tunnel_id>] [<ext_tunnel_id>] [<lisp_id>] [<adjacency>] [<hh>] [<lfib_adj>] [<adj_refcount>] [<obj_refcount>] [<te_state>] [<next_hop>] [<next_if_index>] [<op_label>] [<backup_tunnel>] [<adj_key_id>] [<frr_label>] [<local_label>] [<adj_count>] [<type>] [<out_if>] [<out_lbl>] [<backup_if>] [<backup_lbl>] }]

Syntax Description

show	
forwarding	display fib information
mpls	mpls forwarding
te	Traffic Engineering
detail	(Optional) detail
module	(Optional) slot
te_if	(Optional) tunnel-te number
module	(Optional) slot number
__readonly__	(Optional)
TABLE_te	(Optional)
id	(Optional) headend if index
midpoint_source	(Optional)
dest	(Optional)
tunnel_id	(Optional)
ext_tunnel_id	(Optional)
lisp_id	(Optional)
adjacency	(Optional)
hh	(Optional) HH
lfib_adj	(Optional) lfib adjavency is drop
adj_refcount	(Optional)
obj_refcount	(Optional)
te_state	(Optional)
next_hop	(Optional)

next_if_index	(Optional)
op_label	(Optional)
backup_tunnel	(Optional)
adj_key_id	(Optional)
frr_label	(Optional)
local_label	(Optional)
adj_count	(Optional) te related adj count
type	(Optional)
out_if	(Optional)
out_lbl	(Optional)
backup_if	(Optional)
backup_lbl	(Optional)

Command Mode

- /exec

show forwarding multicast-sr loopback interface

show forwarding multicast-sr loopback interface

Syntax Description

show	
forwarding	display fib information
multicast-sr	multicast service reflect information
interface	loopback interface
loopback	loopback interface

Command Mode

- /exec

show forwarding multicast outgoing-interface-list

show forwarding multicast outgoing-interface-list { L2 | L3 | vxlan-encap } [platform] [module <module>] [<index>] [__readonly__ <refcount> <num_oif> <intf> <encap_id> <slot><total_l2_oiflist><total_l3_oiflist><oiflist_idx> <hw_oiflist_idx><mcidx>]

Syntax Description

show	
forwarding	Forwarding information
multicast	Multicast IPv4 information
outgoing-interface-list	show outgoing interface list info
L2	Layer 2 oiflist
L3	Layer 3 oiflist
vxlan-encap	vxlan-encap oiflist
platform	(Optional) Display PI/PD
module	(Optional) slot
module	(Optional) slot number
index	(Optional) Outgoing Interface List Index
__readonly__	(Optional)
refcount	(Optional) Reference count
num_oif	(Optional) Number of outgoing interfaces
intf	(Optional) OIF name
encap_id	(Optional) encap_id

Command Mode

- /exec

show forwarding multicast route

show forwarding [vrf { <vrf-name> | <vrf-known-name> | all } | table <table_id>] [ipv4] multicast route [platform] { [group { <gaddr> [<mask>] | <gprefix> } | source { <saddr> [<smask>] | <sprefix> } | module <module> | vrf { <vrf-name> | <vrf-known-name> | all }] + | summary [module <module> | vrf { <vrf-name> | <vrf-known-name> | all }] + } [__readonly__ <table_type> <vrfname> <num_routes> <num_starg_routes> <num_sg_routes> <num_gprefix_routes> <num_prefix_insert_fail> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif> <rpf_ifindex> <flag> <flag_value> <route_pkts> <route_bytes> <oiflist_id> <platform_id> <oif_count> <refcount> <oifname> <oifindex> <oif_pkts> <oif_bytes>]

Syntax Description

show	
forwarding	Forwarding information
ipv4	(Optional) ipv4
multicast	Multicast IPv4 information
route	Mcast route information
platform	(Optional) Platform Details
table	(Optional) display info per vpn-id
table_id	(Optional) table number
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
group	(Optional) Multicast IPv4 Group specific info
gaddr	(Optional) Multicast IPv4 Group Address
mask	(Optional) Multicast IPv4 Group Address mask
gprefix	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source specific info
saddr	(Optional) Multicast IPv4 Source Address
smask	(Optional) Multicast IPv4 Source Address mask
sprefix	(Optional) Multicast IPv4 Source Prefix
summary	display route counts
module	(Optional) slot

module	(Optional) slot number
__readonly__	(Optional)
table_type	(Optional) Table Type
vrfname	(Optional) VRF name
num_routes	(Optional) Number of routes
num_starg_routes	(Optional) Number of (*,G) routes
num_sg_routes	(Optional) Number of (S,G) routes
num_gprefix_routes	(Optional) Number of (*,G-prefix) routes
num_prefix_insert_fail	(Optional) Prefix insert fail count
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
rpf_ifindex	(Optional) RPF Interface ifIndex
flag	(Optional) Route type flag
flag_value	(Optional) hex value of route flag
route_pkts	(Optional) Route packet count
route_bytes	(Optional) Route bytes
oiflist_id	(Optional) OIF list Identifier
platform_id	(Optional) Platform-index
oif_count	(Optional) Number of OIFs
refcount	(Optional) OIF list Reference Count
oifname	(Optional) OIF Interface name
oifindex	(Optional) OIF Interface ifIndex
oif_pkts	(Optional) OIF packets
oif_bytes	(Optional) OIF bytes

Command Mode

- /exec

show forwarding nve l2 ingress-replication-peers

show forwarding nve l2 ingress-replication-peers [<peer_ip>] + [__readonly__ { TABLE_VLAN <vlan_id> <plt_space> <peer> + } { TABLE_PSS_VLAN <vlan_pss_id> <VNI> <vtep> <peercnt> <pss_peer> + <marked> + }]

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l2	L2 info
ingress-replication-peers	ingress replication peer info
peer_ip	(Optional) show detailed info of a peer
__readonly__	(Optional)
TABLE_VLAN	(Optional) vlan peer ids table
vlan_id	(Optional) vlan id
plt_space	(Optional) platform space
peer	(Optional) peer_address
TABLE_PSS_VLAN	(Optional) vlan-peer in pss
vlan_pss_id	(Optional) pss_peer_id
VNI	(Optional) vni
vtep	(Optional) vtep
peercnt	(Optional) peer count
pss_peer	(Optional) peer address
marked	(Optional) marked

Command Mode

- /exec

show forwarding nve l3 adjacency tunnel

show forwarding nve l3 adjacency tunnel <tunnel_id> [bd <bd_id> | detail | module <num> | table <table_id>] [__readonly__ TABLE_nvel3adj <tunnel_id> <bd_id> <table_id> <VNI> <Drop> <Refcount> <Origin> <State> <Del> <sw_index> <hw_index0> <hw_index1> <hw_index2>]

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
adjacency	Adjacency info
tunnel	VXLAN tunnel
tunnel_id	tunnel_id
bd	(Optional) BD info
bd_id	(Optional) bd id
detail	(Optional) Show detailed information
module	(Optional) Slot/module
num	(Optional) Slot/module number
table	(Optional) Tenant table-id
table_id	(Optional) tenant table-id
__readonly__	(Optional)
TABLE_nvel3adj	(Optional)
tunnel_id	(Optional) tunnel_id
bd_id	(Optional) bd id
table_id	(Optional) tenant table-id
VNI	(Optional) vni
Drop	(Optional) Drop
Refcount	(Optional) Refcount
Origin	(Optional) origin
State	(Optional) state

Del	(Optional) del
sw_index	(Optional)
hw_index0	(Optional)
hw_index1	(Optional)
hw_index2	(Optional)

Command Mode

- /exec

show forwarding nve l3 ecmp

show forwarding nve l3 ecmp

Syntax Description

show	
forwarding	display fib information
nve	nve related info
l3	Layer 3
ecmp	nve ecmp info

Command Mode

- /exec

show forwarding nve l3 peers

show forwarding nve l3 peers [peers <peer_id> | tunnel <tunnel_id> | detail | module <num>] + [__readonly__ { TABLE_l3peers <tunnel_id> <peer_id> <peer_address> <interface> <rmac> <origin> <state> <del> <count> }]

Syntax Description

show	show
forwarding	display fib information
nve	nve related info
l3	Layer 3
peers	nve peers
peer_id	(Optional) nve peer-id
tunnel	(Optional) VXLAN tunnel
tunnel_id	(Optional) Unique identifier for the tunnel
detail	(Optional) Show detailed information
module	(Optional) Slot/module
num	(Optional) Slot/module number
__readonly__	(Optional)
TABLE_l3peers	(Optional) all l3 nve peers
tunnel_id	(Optional) tunnel_id
peer_id	(Optional) peer_id
peer_address	(Optional) peer_address
interface	(Optional) interface
rmac	(Optional) rmac
origin	(Optional) origin
state	(Optional) state
del	(Optional) del
count	(Optional) count

Command Mode

- /exec

show forwarding nve underlay-interfaces

show forwarding nve underlay-interfaces

Syntax Description

show	show
forwarding	display fib information
nve	NVE related info
underlay-interfaces	underlay interfaces info

Command Mode

- /exec

show forwarding pss route

show forwarding [vrf { <vrf-name> | <vrf-known-name> } | table <table_id>] [ipv4] pss route [module <module>]

Syntax Description

show	show
forwarding	forwarding
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
table	(Optional) display info per vpn-id
table_id	(Optional) table number
ipv4	(Optional) ipv4
pss	display info from pss
route	route
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding restart

show forwarding restart [module <module>]

Syntax Description

show	
forwarding	fib information
restart	restart fib
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding security group-tag

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id> | vlan <vlan_id>] [ipv4] security group-tag [<addr>] [module <num> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ <header> <vrfname> <tid> <pfx-count> <ipa> <tag> <tv> <vid>]

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
vlan	(Optional) vlan
vlan_id	(Optional) vlan number
ipv4	(Optional) ipv4
security	display IP security information
group-tag	ip_address->security_group_tag
addr	(Optional) specific ip address
module	(Optional) slot
__readonly__	(Optional)
header	(Optional) header string
vrfname	(Optional) VRF name
tid	(Optional) table identifier
num	(Optional) module number
pfx-count	(Optional) total prefix count in VRF
ipa	(Optional) ip address
tag	(Optional) security group tag
tv	(Optional) sgt valid

vid	(Optional) vlan indentifier

Command Mode

- /exec

show forwarding security mac

show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [ipv4] security mac [<addr>] [module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ <header> <vrfname> <tid> <pfx-count> <ipa> <mac> <p> <m> <v> <intf>]

Syntax Description

show	
forwarding	display fib information
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
ipv4	(Optional) ipv4
security	display IP security information
mac	ip_address->mac_address
addr	(Optional) specific ip address
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
header	(Optional) header string
vrfname	(Optional) VRF name
tid	(Optional) table identifier
pfx-count	(Optional) total prefix count in VRF
ipa	(Optional) ip address
mac	(Optional) mac address
p	(Optional) 1 => ip->port binding
m	(Optional) 1 => ip->mac binding
v	(Optional) 1 => ip->vlan binding

intf	(Optional) ip->port interface

Command Mode

- /exec

show forwarding test on

show forwarding test { on | off } [module <module>]

Syntax Description

show	
forwarding	fib information
test	show test variable
on	set variable
off	reset variable
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show forwarding trace

show forwarding trace [clear] [module <module>] [__readonly__ <op>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
clear	(Optional) clear the trace buffer
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
op	(Optional) output

Command Mode

- /exec

show forwarding trace profile

show forwarding trace profile

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information

Command Mode

- /exec

show forwarding trace profile funcstats

show forwarding trace profile funcstats [enable | disable] [module <module>] [__readonly__ <op>]

Syntax Description

show	
forwarding	display fib information
trace	display trace buffer
profile	show the collection profiling information
funcstats	function statistics
enable	(Optional) enable function statistics
disable	(Optional) disable function statistics
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
op	(Optional) output

Command Mode

- /exec

show fte event

show fte event [name] [{ <eventname> }] [__readonly__ <event> <description> <use_count> <latency_threshold> <latency_unit> <analytics_changed_flow_count> <latency_flow_count>]

Syntax Description

show	Show running system information
fte	Show FTE information
event	Show Event Configuration
name	(Optional) Show the configuration for a specific FTE Event
eventname	(Optional) Specify a event
__readonly__	(Optional)
event	(Optional)
description	(Optional)
use_count	(Optional)
latency_threshold	(Optional)
latency_unit	(Optional)
analytics_changed_flow_count	(Optional)
latency_flow_count	(Optional)

Command Mode

- /exec

show fte exporter

show fte exporter [name] [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <exporter-id>]

Syntax Description

show	Show running system information
fte	Show FTE information
exporter	Show FTE Exporter Configuration
name	(Optional) Show a specific FTE Exporter
exportername	(Optional) Specify an exporter
__readonly__	(Optional)
exporter	(Optional)
description	(Optional)
dest	(Optional)
vrf	(Optional)
vrf_id	(Optional)
vrf_resolved	(Optional)
dest_udp	(Optional)
source_intf	(Optional)
source_ip	(Optional)
exporter-id	(Optional)

Command Mode

- /exec

show fte monitor

show fte monitor [name] [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <record> <event> <exporter1> <exporter2> <bucket_id> <src_addr> <dest_addr>]

Syntax Description

show	Show running system information
fte	Show FTE information
monitor	Show Monitor Configuration
name	(Optional) Show a specific FTE Monitor
monitorname	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
__readonly__	(Optional)
monitor	(Optional)
use_count	(Optional)
description	(Optional)
record	(Optional)
event	(Optional)
exporter1	(Optional)
exporter2	(Optional)
bucket_id	(Optional)
src_addr	(Optional)
dest_addr	(Optional)

Command Mode

- /exec

show fte record

show fte record [name] [{ <recordname> } | { fte-original } | { fte { protocol-port | layer2-switched { input } | { ipv4 | ipv6 | l2 } { original-input } } }] [__readonly__ <record> <description> <use_count>]

Syntax Description

show	Show running system information
fte	Show FTE information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific FTE Record
recordname	(Optional) Specify a record
fte-original	(Optional) Traditional IPv4 input FTE with origin ASs
fte	(Optional) Traditional FTE collection schemes
ipv4	(Optional) IPv4 collection schemes
ipv6	(Optional) IPv6 collection schemes
l2	(Optional) L2 collection schemes
layer2-switched	(Optional) Layer2-Switched collection schemes
original-input	(Optional) Input FTE
input	(Optional) Input FTE
protocol-port	(Optional) Protocol and Ports aggregation scheme
__readonly__	(Optional)
record	(Optional)
description	(Optional)
use_count	(Optional)

Command Mode

- /exec

G Show Commands

- show guestshell, on page 618

show guestshell

show guestshell [{ detail }] [__readonly__ [TABLE_detail <name> <state> <package_name> <ova_path> <application_name> <application_version> <application_description> <key_type> <signing_method> <licensing_name> <licensing_version> <disk_reservation> <memory_reservation> <cpu_reservation> TABLE_attached_devices <type> <name> <alias>]]

Syntax Description

show	Show running system information
guestshell	Display guest shell service information
detail	(Optional) Detailed guest shell service information
__readonly__	(Optional) Read Only
TABLE_detail	(Optional) Virtual service detail table
name	(Optional) Virtual service name
package_name	(Optional) Virtual service package name
application_name	(Optional) Name of the application
application_version	(Optional) Version of the application
application_description	(Optional) Description of the application
key_type	(Optional) Virtual service key type
signing_method	(Optional) Method used to sign the package
licensing_name	(Optional) Name of the license
licensing_version	(Optional) Version of the license
ova_path	(Optional) Virtual service OVA path
state	(Optional) Virtual service state
disk_reservation	(Optional) Virtual service disk reservation
memory_reservation	(Optional) Virtual service memory reservation
cpu_reservation	(Optional) Virtual service CPU reservation
TABLE_attached_devices	(Optional) Attached devices table
type	(Optional) Type of the attached device
name	(Optional) Name of the attached device
alias	(Optional) Alias for the attached device

Command Mode

- /exec

H Show Commands

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show hardware

show hardware [__readonly__ <header_str> <bios_ver_str> [<loader_ver_str>] <kickstart_ver_str> [<sys_ver_str>] <bios_cmpl_time> <kick_file_name> <kick_cmpl_time> <kick_tmstmp> [<isan_file_name>] [<isan_cmpl_time>] [<isan_tmstmp>] <chassis_id> [<module_id>] <cpu_name> <memory> <mem_type> <proc_board_id> [<host_name>] <bootflash_size> [<slot0_size>] [<slot1_size>] <kern_uptm_days> <kern_uptm_hrs> <kern_uptm_mins> <kern_uptm_secs> [<rr_usecs>] [<rr_ctime>] <rr_reason> [<rr_sys_ver>] [<rr_service>] [<manufacturer>] { TABLE_slot [TABLE_slot_info [[<num_slot_str>] [<status_ok_empty>] [[<type> [<num_submods>]] <model_num> <hw_ver> <part_num> <part_revision> <manuf_date> <serial_num> <CLEI_code> [<num_slot_str>]]]] }]

Syntax Description

show	Show running system information
hardware	Show hardware information
__readonly__	(Optional)
header_str	(Optional)
bios_ver_str	(Optional)
loader_ver_str	(Optional)
kickstart_ver_str	(Optional)
sys_ver_str	(Optional)
bios_cmpl_time	(Optional)
kick_file_name	(Optional)
kick_cmpl_time	(Optional)
kick_tmstmp	(Optional)
isan_file_name	(Optional)
isan_cmpl_time	(Optional)
isan_tmstmp	(Optional)
chassis_id	(Optional)
module_id	(Optional)
cpu_name	(Optional)
memory	(Optional)
mem_type	(Optional)
proc_board_id	(Optional)

bootflash_size	(Optional)
slot0_size	(Optional)
slot1_size	(Optional)
host_name	(Optional)
kern_uptm_days	(Optional)
kern_uptm_hrs	(Optional)
kern_uptm_mins	(Optional)
kern_uptm_secs	(Optional)
rr_usecs	(Optional)
rr_ctime	(Optional)
rr_reason	(Optional)
rr_sys_ver	(Optional)
rr_service	(Optional)
manufacturer	(Optional)
TABLE_slot	(Optional) Slot
num_slot_str	(Optional) Number of elements
TABLE_slot_info	(Optional) Slot Info
status_ok_empty	(Optional) Status (Present or Absent)
type	(Optional) Description of the element
num_submods	(Optional) Number of Submodules
model_num	(Optional) Model Number
hw_ver	(Optional) Hardware version
part_num	(Optional) Part Number
part_revision	(Optional) Part revision
manuf_date	(Optional) Manufacturing date
serial_num	(Optional) Serial Number
CLEI_code	(Optional) CLEI code

Command Mode

- /exec

show hardware access-list lou resource threshold

show hardware access-list lou resource threshold [__readonly__ { current [{ lou [{ resource [{ threshold [{ <threshold_value> }] }] }] }] }]

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
lou	LOU
resource	hardware resource
threshold	port expansion threshold
__readonly__	(Optional)
current	(Optional)
lou	(Optional)
resource	(Optional)
threshold	(Optional)
threshold_value	(Optional)

Command Mode

- /exec

show hardware access-list resource pooling

show hardware access-list resource pooling [__readonly__ <mod-num> <status>]

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
resource	Hardware resource
pooling	ACL programming across TCAM banks
__readonly__	(Optional)
mod-num	(Optional) module number
status	(Optional) Banchaining status

Command Mode

- /exec

show hardware access-list tcam

show hardware access-list tcam { { template { nfe | nfe2 | l2-l3 | l3 | <name> | all } } | { region } } [__readonly__ { TCAM_Region [{ TABLE_Sizes <type> <tcam_size> <tcam_width> }] }]

Syntax Description

show	Show running system information
hardware	Show hardware information
access-list	Access Control List
tcam	Show tcam parameters
region	Show tcam region sizes
__readonly__	(Optional)
TCAM_Region	(Optional)
TABLE_Sizes	(Optional)
type	(Optional)
tcam_size	(Optional)
tcam_width	(Optional)
template	Specify template name
nfe	NFE (Trident2) TCAM template
nfe2	NFE2 (Tomahawk) tcam template
l2-l3	L2-L3 default tcam template
l3	L3 default tcam template
name	Name of custom template to be displayed
all	Display all custom templates

Command Mode

- /exec

show hardware capacity

show hardware capacity

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc

Command Mode

- /exec

show hardware capacity eobc

show hardware capacity eobc [__readonly__ { eobc_usage [<eobc_tx_pps>] [<eobc_tx_packets>] [<eobc_tx_dropped>] [<eobc_rx_pps>] [<eobc_rx_packets>] [<eobc_rx_dropped>] }]

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
eobc	EOBC resources
__readonly__	(Optional)
eobc_usage	(Optional)
eobc_tx_packets	(Optional)
eobc_tx_dropped	(Optional)
eobc_tx_pps	(Optional)
eobc_rx_packets	(Optional)
eobc_rx_dropped	(Optional)
eobc_rx_pps	(Optional)

Command Mode

- /exec

show hardware capacity fabric-utilization

show hardware capacity fabric-utilization [__readonly__ { TABLE_fabutil <mod> <bandwidth> <ingress> <egress> }]

Syntax Description

show	Show running system information
hardware	Show hardware information
capacity	resource inventory and/or usage level
fabric-utilization	Show per module Fabric utilization
__readonly__	(Optional)
TABLE_fabutil	(Optional) fabric utilization table
mod	(Optional)
bandwidth	(Optional)
ingress	(Optional)
egress	(Optional)

Command Mode

- /exec

show hardware capacity forwarding

show hardware capacity forwarding

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Hardware usage levels for Power, Switching Fabric, Flash, etc
forwarding	L2/L3 Forwarding resources

Command Mode

- /exec

show hardware capacity interface

show hardware capacity interface [__readonly__ { TABLE_moddrops <mod_num_drops> <tx_drops> <rx_drops> <max_tx_port> <max_rx_port> } { TABLE_modbuffers <mod_num_buffers> <tx_buffers> <rx_buffers> }]

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	Usage levels
interface	Interface Resources - Tx/Rx drops and Tx/Rx buffers
__readonly__	(Optional) Read Only
mod_num_drops	(Optional) Module number for Tx/Rx drops
TABLE_moddrops	(Optional) show module
tx_drops	(Optional) Tx drops
rx_drops	(Optional) Rx drops
max_tx_port	(Optional) Port with max Tx drops
max_rx_port	(Optional) Port with max Rx drops
mod_num_buffers	(Optional) Module number for Tx/Rx buffers
TABLE_modbuffers	(Optional) show module
tx_buffers	(Optional) Tx buffers
rx_buffers	(Optional) Rx buffers

Command Mode

- /exec

show hardware capacity module

show hardware capacity module [__readonly__ { sup_ha_status [<sup_ha_admin_status>] [<sup_ha_oper_status>] [<dual_sup_hw_state>] [<redundancy_state>] } { switch_resouces { TABLE_lcinfo <mod_num> <model_num> <part_num> <serial_num> } [{ TABLE_xbarinfo <mod_num1> <model_num1> <part_num1> <serial_num1> }] } { TABLE_flash_nvram_info <mod_num2> <dev_name> <total_bytes> <free_bytes> <percent_used> }]

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
module	SUP, LC, XBAR
__readonly__	(Optional)
sup_ha_status	(Optional)
sup_ha_admin_status	(Optional)
sup_ha_oper_status	(Optional)
dual_sup_hw_state	(Optional)
redundancy_state	(Optional)
switch_resouces	(Optional)
TABLE_lcinfo	(Optional)
mod_num	(Optional)
model_num	(Optional)
part_num	(Optional)
serial_num	(Optional)
TABLE_xbarinfo	(Optional)
mod_num1	(Optional)
model_num1	(Optional)
part_num1	(Optional)
serial_num1	(Optional)
TABLE_flash_nvram_info	(Optional)
mod_num2	(Optional)

dev_name	(Optional)
total_bytes	(Optional)
free_bytes	(Optional)
percent_used	(Optional)

Command Mode

- /exec

show hardware capacity power

show hardware capacity power [__readonly__ { power_summary <ps_redun_mode_admin> <ps_redun_mode_oper> <power_total> <power_rsvd> <power_rsvd_percent> <power_given_mod> <power_given_mod_percent> <power_avail> <power_avail_percent> <power_out_actual_draw> <power_input_actual_draw> }]

Syntax Description

show	Show running system information
hardware	Hardware related
capacity	resource inventory and/or usage level
power	power summary
__readonly__	(Optional)
power_summary	(Optional)
ps_redun_mode_admin	(Optional) Mode: Redundant or Non-redundant
ps_redun_mode_oper	(Optional) Mode: Redundant or Non-redundant
power_total	(Optional)
power_rsvd	(Optional)
power_rsvd_percent	(Optional)
power_given_mod	(Optional)
power_given_mod_percent	(Optional)
power_avail	(Optional)
power_avail_percent	(Optional)
power_out_actual_draw	(Optional) Total Power Output, Actuals
power_input_actual_draw	(Optional) Total Power Input, Actuals

Command Mode

- /exec

show hardware fabricpath mac-learning module

show hardware fabricpath mac-learning module <module> [__readonly__ { [{ TABLE_module <module_num> <port_group> <mac_learning> }] }]

Syntax Description

show	Show running system information
hardware	Show hardware information
fabricpath	Fabric Path
mac-learning	MAC Learning
module	Specify a module number
module	Specify a module number
__readonly__	(Optional)
TABLE_module	(Optional)
module_num	(Optional) Specify a module number
port_group	(Optional)
mac_learning	(Optional)

Command Mode

- /exec

show hardware feature-capability

show hardware feature-capability [detailed] [__readonly__ [TABLE_feature_support <feature_name> [TABLE_module_support <mod_inst> <support>]]]

Syntax Description

show	Show running system information
hardware	Show hardware information
feature-capability	show registered features supported
detailed	(Optional) detailed
__readonly__	(Optional)
TABLE_feature_support	(Optional) show features supported
feature_name	(Optional) feature name
TABLE_module_support	(Optional) show registered features supported
mod_inst	(Optional) module instance
support	(Optional) support details

Command Mode

- /exec

show hardware flow aging

show hardware flow aging [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
aging	Aging Info
instance	(Optional) Instance
inst	(Optional) Earl Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow entry address type

show hardware flow entry address <addr> type { ip | ipv6 | l2 | mpls } [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
entry	Netflow Table Entry
address	Netflow Table Address
addr	Netflow Table Address
type	Flow Type
ip	Internet Protocol Version 4
ipv6	Internet Protocol Version 6
l2	Layer 2 Protocol
mpls	MPLS Protocol
instance	(Optional) Instance
inst	(Optional) Earl Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow ip

show hardware flow ip [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ip	Internet Protocol Version 4
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow ipmac

show hardware flow ipmac [{ { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ipmac	IPv4+MAC
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow ipv6

show hardware flow ipv6 [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
ipv6	Internet Protocol Version 6
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow l2

show hardware flow l2 [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
l2	Layer 2 Protocol
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow mpls

show hardware flow mpls [{ { monitor <mname> } | { profile <prof_id> } | { vlan <vlan_id> } | { interface <interface> } }] [instance <inst>] [detail] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
mpls	MPLS Protocol
monitor	(Optional) Netflow Flow Monitor
mname	(Optional) Netflow Flow Monitor Name
profile	(Optional) Flow Profile
prof_id	(Optional) Netflow Profile ID
vlan	(Optional) Vlan commands
vlan_id	(Optional) VLAN ID 1-4094
interface	(Optional) Interface
interface	(Optional) Interface Name
instance	(Optional) Instance
inst	(Optional) Earl Instance
detail	(Optional) Detailed Output Display
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow sampler

show hardware flow sampler { all | count | index <index> | name <sname> } [detail] [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
sampler	Flow Sampler
all	Netflow Sampler Usage
count	Netflow Sampler Utilization
index	Netflow Sampler Index
index	Netflow Sampler Index
name	Netflow Sampler Name
sname	Netflow Sampler Name
detail	(Optional) Detailed Output Display
instance	(Optional) Instance
inst	(Optional) Clipper Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware flow utilization

show hardware flow utilization [instance <inst>] [module <num>]

Syntax Description

show	Show running system information
hardware	Show hardware information
flow	Netflow Module
utilization	NT Table Utilization
instance	(Optional) Instance
inst	(Optional) Earl Instance
module	(Optional) Line card module
num	(Optional) slot number

Command Mode

- /exec

show hardware forwarding interface statistics mode

show hardware forwarding interface statistics mode [__readonly__ { system [{ <sysmode> }] [{ TABLE_module <module> <modmode> }] }]

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	Show hardware information for forwarding path
interface	Interface
statistics	Statistics
mode	Statistics mode
__readonly__	(Optional)
system	(Optional)
sysmode	(Optional)
TABLE_module	(Optional)
module	(Optional) Specify a module number
modmode	(Optional)

Command Mode

- /exec

show hardware forwarding memory health detail

show hardware forwarding memory health detail [__readonly__ { memscan_interval <mscan_interval> } { memscan_rate <mscan_rate> } [TABLE_ser <table_name> <entry_count> <table_head> <table_tail> [TABLE_ser_entry_new <n_entry_index> [<reg_id>] [<reg_port>] [<reg_index>] [<table_id>] [<table_index>] <detections> <corrections> [<last_detection_ts>] [<last_correction_ts>]] [TABLE_ser_entry_old <o_entry_index> <mem_addr> <cause_bits> <event_type> <last_event> <last_time>]] [{ parity_detect_counter <parity_detect_cnt> }] [{ parity_correct_counter <parity_correct_cnt> }] [{ reg_parity_detect_counter <reg_parity_detect_cnt> }] [{ reg_parity_correct_counter <reg_parity_correct_cnt> }] [{ tcam_parity_detect_counter <tcam_parity_detect_cnt> }] [{ tcam_parity_correct_counter <tcam_parity_correct_cnt> }] [{ sram_parity_detect_counter <sram_parity_detect_cnt> }] [{ sram_parity_correct_counter <sram_parity_correct_cnt> }] [{ TABLE_ser_tbl_parity <table_id> <detections> <corrections> }]]

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
detail	show the detail
__readonly__	(Optional) Read Only
memscan_interval	(Optional) memory scan interval value
mscan_interval	(Optional) mem scan interval
memscan_rate	(Optional) memory scan rate value
mscan_rate	(Optional) mem scan rate
TABLE_ser	(Optional) ser table list
table_name	(Optional) table name
entry_count	(Optional) total entries in table
table_head	(Optional) start of entry index
table_tail	(Optional) end of entry index
TABLE_ser_entry_new	(Optional) ser table entry with new format
n_entry_index	(Optional) entry index
reg_id	(Optional) register id

reg_port	(Optional) port
reg_index	(Optional) register index
table_id	(Optional) table id
table_index	(Optional) table_index
detections	(Optional) parity detetction count
corrections	(Optional) parity correction count
last_detection_ts	(Optional) last detetction timestamp
last_correction_ts	(Optional) last correction timestamp
TABLE_ser_entry_old	(Optional) ser table entry with new format
o_entry_index	(Optional) table entry index
mem_addr	(Optional) memory address
cause_bits	(Optional) cause bit
event_type	(Optional) type of event
last_event	(Optional) last event that occurred
last_time	(Optional) last time of event
parity_detect_counter	(Optional) parity detect count
parity_detect_cnt	(Optional) count of parity detect
parity_correct_counter	(Optional) parity correct count
parity_correct_cnt	(Optional) count of parity correct
reg_parity_detect_counter	(Optional) reg parity detect count
reg_parity_detect_cnt	(Optional) count of reg parity detect
reg_parity_correct_counter	(Optional) reg parity correct count
reg_parity_correct_cnt	(Optional) count of reg parity correct
tcam_parity_detect_counter	(Optional) tcam parity detect count
tcam_parity_detect_cnt	(Optional) count of tcam parity detect
tcam_parity_correct_counter	(Optional) tcam parity correct count
tcam_parity_correct_cnt	(Optional) count of tcam parity correct
sram_parity_detect_counter	(Optional) sram parity detect count
sram_parity_detect_cnt	(Optional) count of sram parity detect

sram_parity_correct_counter	(Optional) sram parity correct count
sram_parity_correct_cnt	(Optional) count of sram parity correct
TABLE_ser_tbl_parity	(Optional) all ser tables
table_id	(Optional) table name
detections	(Optional) parity detection count for ser table
corrections	(Optional) parity correction count for ser table

Command Mode

- /exec

show hardware forwarding memory health summary

show hardware forwarding memory health summary [__readonly__ [{ parity_detect_counter <parity_detect_cnt> }] [{ parity_correct_counter <parity_correct_cnt> }] [{ reg_parity_detect_counter <reg_parity_detect_cnt> }] [{ reg_parity_correct_counter <reg_parity_correct_cnt> }] [{ tcam_parity_detect_counter <tcam_parity_detect_cnt> }] [{ tcam_parity_correct_counter <tcam_parity_correct_cnt> }] [{ sram_parity_detect_counter <sram_parity_detect_cnt> }] [{ sram_parity_correct_counter <sram_parity_correct_cnt> }] [{ TABLE_ser_tbl_parity <table_id> <detections> <corrections> }]]

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	forwarding information
memory	memory information
health	memory health information
summary	show the summary
__readonly__	(Optional) Read Only
parity_detect_counter	(Optional) parity detect count
parity_detect_cnt	(Optional) count of parity detect
parity_correct_counter	(Optional) parity correct count
parity_correct_cnt	(Optional) count of parity correct
reg_parity_detect_counter	(Optional) reg parity detect count
reg_parity_detect_cnt	(Optional) count of reg parity detect
reg_parity_correct_counter	(Optional) reg parity correct count
reg_parity_correct_cnt	(Optional) count of reg parity correct
tcam_parity_detect_counter	(Optional) tcam parity detect count
tcam_parity_detect_cnt	(Optional) count of tcam parity detect
tcam_parity_correct_counter	(Optional) tcam parity correct count
tcam_parity_correct_cnt	(Optional) count of tcam parity correct
sram_parity_detect_counter	(Optional) sram parity detect count
sram_parity_detect_cnt	(Optional) count of sram parity detect
sram_parity_correct_counter	(Optional) sram parity correct count

sram_parity_correct_cnt	(Optional) count of sram parity correct
TABLE_ser_tbl_parity	(Optional) all ser tables
table_id	(Optional) table name
detections	(Optional) parity detection count for ser table
corrections	(Optional) parity correction count for ser table

Command Mode

- /exec

show hardware ip verify

show hardware [forwarding] ip verify [module <module>] [__readonly__ <info_str>]

Syntax Description

show	Show running system information
hardware	Show hardware information
forwarding	(Optional) Show hardware information for forwarding path
ip	IP
verify	Show IP packet verification checks enabled in hardware
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
info_str	(Optional) IDS Check Stats

Command Mode

- /exec

show hardware profile buffer monitor show hardware profile buffer monitor internal

show hardware profile buffer monitor [interface <intf-num> | buffer-block <buf-blk> | multicast <mcst-blk>] { brief | detail [last <samples-per-intf>] | sampling } [module <module>] | show hardware profile buffer monitor { internal-raw | summary [module <module>] } [__readonly__ <cmd_name> <cmd_issue_time> [TABLE_summary <summary_util_name> <summary_1sec_util> <summary_5sec_util> <summary_60sec_util> <summary_5min_util> <summary_1hr_util> <summary_total_buffer> <summary_class_threshold>] [TABLE_ucst_hdr <ucst_hdr_util_name> <ucst_hdr_1sec_util> <ucst_hdr_5sec_util> <ucst_hdr_60sec_util> <ucst_hdr_5min_util> <ucst_hdr_1hr_util> <ucst_hdr_total_buffer> <ucst_hdr_class_threshold>] [TABLE_brief_entry <brief_util_name> <brief_1sec_util> <brief_5sec_util> <brief_60sec_util> <brief_5min_util> <brief_1hr_util>] [TABLE_mcst_hdr <mcst_hdr_util_name> <mcst_hdr_1sec_util> <mcst_hdr_5sec_util> <mcst_hdr_60sec_util> <mcst_hdr_5min_util> <mcst_hdr_1hr_util> <mcst_hdr_total_buffer> <mcst_hdr_class_threshold>] [TABLE_detail_entry <detail_util_name> <detail_util_state> <time_stamp> <384k_util> <768k_util> <1152k_util> <1536k_util> <1920k_util> <2304k_util> <2688k_util> <3072k_util> <3456k_util> <3840k_util> <4224k_util> <4608k_util> <4992k_util> <5376k_util> <5760k_util> <6144k_util>] [TABLE_sampling <sampling_interval>]]

Syntax Description

show	Show running system information
hardware	Show hardware profile buffer monitor data
profile	profile buffer monitor data
buffer	buffer
monitor	buffer monitor
interface	(Optional) show buffer monitoring data of an interface
intf-num	(Optional) show buffer monitoring data of an interface
buffer-block	(Optional) buffer block
buf-blk	(Optional) buffer block
multicast	(Optional) multicast buffer block
mcst-blk	(Optional) multicast buffer block
brief	show brief buffer monitor data
detail	show detail buffer monitor data
internal-raw	show buffer monitoring internal raw data
summary	show summary buffer monitor data
sampling	show sampling interval

last	(Optional) show detail buffer monitor data for last N intervals
samples-per-intf	(Optional) number of samples per interface, max 300
module	(Optional) Slot/module
module	(Optional) Slot/module number
__readonly__	(Optional) Read Only
cmd_name	(Optional) Command Name
cmd_issue_time	(Optional) Command Issue Time
TABLE_summary	(Optional) Table Summary
summary_util_name	(Optional) Names of Summary Utilization
summary_1sec_util	(Optional) Summary 1sec Buffer Utilization
summary_5sec_util	(Optional) Summary 5sec Buffer Utilization
summary_60sec_util	(Optional) Summary 60sec Buffer Utilization
summary_5min_util	(Optional) Summary 5min Buffer Utilization
summary_1hr_util	(Optional) Summary 1hour Buffer Utilization
summary_total_buffer	(Optional) Summary Total Buffer Available
summary_class_threshold	(Optional) Summary Buffer Threshold of Default Class
TABLE_ucst_hdr	(Optional) Table Ucst Header
ucst_hdr_util_name	(Optional) Names of Utilization
ucst_hdr_1sec_util	(Optional) Ucst 1sec Buffer Utilization
ucst_hdr_5sec_util	(Optional) Ucst 5sec Buffer Utilization
ucst_hdr_60sec_util	(Optional) Ucst 60sec Buffer Utilization
ucst_hdr_5min_util	(Optional) Ucst 5min Buffer Utilization
ucst_hdr_1hr_util	(Optional) Ucst 1hour Buffer Utilization
ucst_hdr_total_buffer	(Optional) Ucst Total Buffer Available
ucst_hdr_class_threshold	(Optional) Ucst Buffer Threshold of Default Class
TABLE_brief_entry	(Optional) Table Brief Entry
brief_util_name	(Optional) Brief Names of Utilization
brief_1sec_util	(Optional) Brief 1sec Buffer Utilization
brief_5sec_util	(Optional) Brief 5sec Buffer Utilization

brief_60sec_util	(Optional) Brief 60sec Buffer Utilization
brief_5min_util	(Optional) Brief 5min Buffer Utilization
brief_1hr_util	(Optional) Brief 1hour Buffer Utilization
TABLE_mcst_hdr	(Optional) Table Mcst Header
mcst_hdr_util_name	(Optional) Mcst Buffer Block Names of Utilization
mcst_hdr_1sec_util	(Optional) Mcst Buffer Block 1sec Buffer Utilization
mcst_hdr_5sec_util	(Optional) Mcst Buffer Block 5sec Buffer Utilization
mcst_hdr_60sec_util	(Optional) Mcst Buffer Block 60sec Buffer Utilization
mcst_hdr_5min_util	(Optional) Mcst Buffer Block 5min Buffer Utilization
mcst_hdr_1hr_util	(Optional) Mcst Buffer Block 1hour Buffer Utilization
mcst_hdr_total_buffer	(Optional) Mcst Total Buffer Available
mcst_hdr_class_threshold	(Optional) Mcst Buffer Threshold of Default Class
TABLE_detail_entry	(Optional) Table Detail Entry
detail_util_name	(Optional) Detail Names of Utilization
detail_util_state	(Optional) Detail State of Utilization
time_stamp	(Optional) Time Stamp of Entry
384k_util	(Optional) 384KB Buffer Utilization
768k_util	(Optional) 768KB Buffer Utilization
1152k_util	(Optional) 1152KB Buffer Utilization
1536k_util	(Optional) 1536KB Buffer Utilization
1920k_util	(Optional) 1920KB Buffer Utilization
2304k_util	(Optional) 2304KB Buffer Utilization
2688k_util	(Optional) 2688KB Buffer Utilization
3072k_util	(Optional) 3072KB Buffer Utilization
3456k_util	(Optional) 3456KB Buffer Utilization
3840k_util	(Optional) 3840KB Buffer Utilization
4224k_util	(Optional) 4224KB Buffer Utilization
4608k_util	(Optional) 4608KB Buffer Utilization
4992k_util	(Optional) 4992KB Buffer Utilization

5376k_util	(Optional) 5376KB Buffer Utilization
5760k_util	(Optional) 5760KB Buffer Utilization
6144k_util	(Optional) 6144KB Buffer Utilization
TABLE_sampling	(Optional) Table Sampling
sampling_interval	(Optional) Sampling Interval

Command Mode

- /exec

show hardware profile forwarding-mode

show hardware profile forwarding-mode

Syntax Description

show	Show running system information
hardware	Show hardware profile forwarding-mode
profile	profile forwarding-mode
forwarding-mode	forwarding-mode

Command Mode

- /exec

show hardware profile latency monitor sampling show hardware profile latency monitor

show hardware profile latency monitor { sampling | threshold } [module <module>] | show hardware profile latency monitor { { summary [detail | clear-timestamp] } [interface <intf-num>] | { summary [brief | sort | top] } | { raw [verbose] } [module <module>] } [__readonly__ <cmd_issue_time> <device_instance> [TABLE_sampling <sampling_interval>] [TABLE_threshold <threshold_avg> <threshold_max>] [TABLE_summary <summary_egress_port> <summary_sampling_interval> <summary_min_latency> <summary_max_latency> <summary_avg_latency> <summary_std_deviation>] [TABLE_detail <detail_timestamp> <detail_ifindex> <detail_fcnt> <detail_min_latency> <detail_max_latency> <detail_avg_latency>] [TABLE_brief <brief_egress_port> <brief_avg_latency>]]

Syntax Description

show	Show running system information
hardware	Show hardware profile latency monitor data
profile	profile latency monitor data
latency	latency
monitor	latency monitor
sampling	show sampling interval
threshold	show threshold configured
summary	show switch-wide latency monitor data
detail	(Optional) show switch-wide or per-interface raw latency monitor data
clear-timestamp	(Optional) show switch-wide or per-interface latency clear timestamp
interface	(Optional) show per-interface latency monitor data
intf-num	(Optional) show per-interface latency monitor data
brief	(Optional) show switch-wide avegare latency
sort	(Optional) show switch-wide avergae latency in descending order
top	(Optional) show switch-wide top ten avergae latency
raw	show switch-wide or per-interface raw latency monitor data
verbose	(Optional) show switch-wide or per-interface raw latency monitor data
module	(Optional) Slot/module
module	(Optional) Slot/module number
__readonly__	(Optional) Read only

cmd_issue_time	(Optional) Command issue time
device_instance	(Optional) Device instance
TABLE_sampling	(Optional) Table Sampling
sampling_interval	(Optional) Sampling Interval
TABLE_threshold	(Optional) Table Threshold
threshold_avg	(Optional) Threshold Average
threshold_max	(Optional) Threshold Max
TABLE_summary	(Optional) Table summary
summary_egress_port	(Optional) Summary Egress Port
summary_sampling_interval	(Optional) Summary Sampling Interval
summary_min_latency	(Optional) Summary Min latency
summary_max_latency	(Optional) Summary Max latency
summary_avg_latency	(Optional) Summary Avg latency
summary_std_deviation	(Optional) Summary Std Deviation
TABLE_detail	(Optional) Table summary detail
detail_timestamp	(Optional) Detail Timestamp
detail_ifindex	(Optional) Detail ifindex
detail_fcnt	(Optional) Detail fcnt
detail_min_latency	(Optional) Detail Min latency
detail_max_latency	(Optional) Detail Max latency
detail_avg_latency	(Optional) Detail Avg latency
TABLE_brief	(Optional) Table summary brief
brief_egress_port	(Optional) Brief Egress Port
brief_avg_latency	(Optional) Brief Avg latency

Command Mode

- /exec

show hardware profile module

show hardware profile module <module>

Syntax Description

show	Show running system information
hardware	Show hardware profile
profile	Profile settings
module	Enter module number
module	

Command Mode

- /exec

show hardware profile status

show hardware profile status [module <module>] [detail] [__readonly__ { <total_lpm> <total_host> <reserved_lpm> <max_host4_limit> <max_host6_limit> <max_mcast_limit> <max_mcast6_limit> <used_lpm_total> <used_v4_lpm> <used_v6_lpm> <used_v6_lpm_128> <used_host_lpm_total> <used_host_v4_lpm> <used_host_v6_lpm> <used_mcast> <used_mcast6> <used_mcast_oifl> <used_host_in_host_total> <used_host4_in_host> <used_host6_in_host> <mfib_fd_status> <mfib_fd_maxroute> <mfib_fd_count> <max_v6_lpm_65_to_127_limit> <max_v6_lpm_limit> <max_ecmp_table_limit> <used_ecmp_table> <lpm_to_host_migrate_table> <host_to_lpm_migrate_table> <max_mcast_transit_route_limit> <used_mcast_transit_routes> <max_ecmp_nh_table_limit> <used_ecmp_nh_table> }]

Syntax Description

show	Show running system information
hardware	Show hardware usage settings
profile	Show current table usage
status	Show status of dynamic resource allocation
module	(Optional) Slot/module
module	(Optional) Slot/module number
detail	(Optional) Show detailed information
__readonly__	(Optional) Read only
total_lpm	(Optional) Total LPM Entries
total_host	(Optional) Total Host Entries
reserved_lpm	(Optional) Reserved LPM Entries
max_host4_limit	(Optional) Max Host4 Limit Entries
max_host6_limit	(Optional) Max Host6 Limit Entries
max_mcast_limit	(Optional) Max Mcast Limit Entries
max_mcast6_limit	(Optional) Max IPv6 Mcast Limit Entries
used_lpm_total	(Optional) Used LPM Entries (Total)
used_v4_lpm	(Optional) Used IPv4 LPM Entries
used_v6_lpm	(Optional) Used IPv6 LPM Entries
used_v6_lpm_128	(Optional) Used IPv6 LPM_128 Entries
used_host_lpm_total	(Optional) Used Host Entries in LPM (Total)
used_host_v4_lpm	(Optional) Used Host4 Entries in LPM

used_host_v6_lpm	(Optional) Used Host6 Entries in LPM
used_mcast	(Optional) Used Mcast Entries
used_mcast6	(Optional) Used IPv6 Mcast Entries
used_mcast_oifl	(Optional) Used Mcast OIFL Entries
used_host_in_host_total	(Optional) Used Host Entries in Host (Total)
used_host4_in_host	(Optional) Used Host4 Entries in Host
used_host6_in_host	(Optional) Used Host6 Entries in Host
mfib_fd_status	(Optional) MFIB fd status
mfib_fd_maxroute	(Optional) MFIB fd maxroute
mfib_fd_count	(Optional) MFIB fd count
max_v6_lpm_65_to_127_limit	(Optional) Max Ucast IPv6 LPM_65_to_127 Limit Entries
max_v6_lpm_limit	(Optional) Max Ucast IPv6 LPM Limit Entries
max_ecmp_table_limit	(Optional) Max ECMP table Limit Entries
used_ecmp_table	(Optional) Used ECMP Table Entries
lpm_to_host_migrate_table	(Optional) Times Route Migrated from LPM to Host Table
host_to_lpm_migrate_table	(Optional) Times Route Migrated from Host to LPM Table
max_mcast_transit_route_limit	(Optional) Max Mcast Transit Route Limit Entries
used_mcast_transit_routes	(Optional) Used Mcast Transit Routes
max_ecmp_nh_table_limit	(Optional) Max ECMP NH table Limit Entries
used_ecmp_nh_table	(Optional) Used ECMP NH Table Entries

Command Mode

- /exec

show hardware profile tcam region

show hardware profile tcam region [__readonly__ { TCAM_Region [{ TABLE_Sizes <tcam_compat_type> <tcam_compat_size> <tcam_compat_width> }] }]

Syntax Description

show	Show running system information
hardware	Show hardware information
profile	profile
tcam	Show tcam parameters
region	Show tcam region sizes
__readonly__	(Optional)
TCAM_Region	(Optional)
TABLE_Sizes	(Optional)
tcam_compat_type	(Optional)
tcam_compat_size	(Optional)
tcam_compat_width	(Optional)

Command Mode

- /exec

show hardware qos afd profile

show hardware qos afd profile [module <module>] [__readonly__ TABLE_qos_afd_profile <module> <prof-desc>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
afd	Show Approximate Fair Dropping config
profile	Show AFD profile config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_afd_profile	(Optional) the xml qos_afd_profile configuration
prof-desc	(Optional) profile description

Command Mode

- /exec

show hardware qos burst-detect max-records

show hardware qos burst-detect max-records [__readonly__ TABLE_qos_burstdetect_maxrecords]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
burst-detect	Show oobst burst-detect info
max-records	Show oobst burst-detect max-records
__readonly__	(Optional)
TABLE_qos_burstdetect_maxrecords	(Optional) the xml qos_burst-detect max-records configuration

Command Mode

- /exec

show hardware qos eoq stats-class

show hardware qos eoq stats-class [module <module>] [__readonly__ TABLE_qos_eoq_stats_class <module> <eoq-stats-class-desc>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
eoq	Show Extended Output Queue(EOQ) related information
stats-class	Show EOQ Statistics class selection config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_eoq_stats_class	(Optional) the xml qos_eoq_stats_class configuration
eoq-stats-class-desc	(Optional) selected class description

Command Mode

- /exec

show hardware qos include ipg

show hardware qos include ipg [module <module>] [__readonly__ TABLE_qos_include_ipg <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
include	Show inlcude config
ipg	Show whether to include IPG in Shaping/Policing config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_include_ipg	(Optional) the xml qos_include_ipg configuration

Command Mode

- /exec

show hardware qos ing-pg-hdrm-reserve

show hardware qos ing-pg-hdrm-reserve [module <module>] [__readonly__ TABLE_qos_ing_pg_hdrm_reserve <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-hdrm-reserve	Show ing-pg-hdrm-reserve config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ing_pg_hdrm_reserve	(Optional) the xml qos_ing_pg_hdrm_reserve configuration

Command Mode

- /exec

show hardware qos ing-pg-no-min

show hardware qos ing-pg-no-min [module <module>] [__readonly__ TABLE_qos_ing_pg_no_min <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-no-min	Show ing-pg-no-min config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ing_pg_no_min	(Optional) the xml qos_ing_pg_no_min configuration

Command Mode

- /exec

show hardware qos ing-pg-share

show hardware qos ing-pg-share [module <module>] [__readonly__ TABLE_qos_ing_pg_share <module>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ing-pg-share	Show ing-pg-share config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ing_pg_share	(Optional) the xml qos_ing_pg_share configuration

Command Mode

- /exec

show hardware qos min-buffer

show hardware qos min-buffer [module <module>] [__readonly__ TABLE_qos_min_buffer_profile <module> <buff-prof-desc>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
min-buffer	Show min-buffer config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_min_buffer_profile	(Optional) the xml qos_min_buffer_profile configuration
buff-prof-desc	(Optional) buffer profile description

Command Mode

- /exec

show hardware qos ns-buffer-profile

show hardware qos ns-buffer-profile [module <module>] [__readonly__ TABLE_qos_ns_buffer_profile <module> <buff-prof-desc>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show qos related information
ns-buffer-profile	Show ns-buffer-profile config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ns_buffer_profile	(Optional) the xml qos_ns_buffer_profile configuration
buff-prof-desc	(Optional) buffer profile description

Command Mode

- /exec

show hardware qos ns-mcq3-alias

show hardware qos ns-mcq3-alias [module <module>] [__readonly__ TABLE_qos_ns_mcq3_alias <module> <ns-mcq3-alias-desc>]

Syntax Description

show	Show running system information
hardware	Show hardware information
qos	Show QoS related information
ns-mcq3-alias	Show NS mc-queue-3 alias class selection config
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_qos_ns_mcq3_alias	(Optional) the xml qos_ns_mcq3_alias configuration
ns-mcq3-alias-desc	(Optional) selected class description

Command Mode

- /exec

show hardware rate-limiter

show hardware rate-limiter [module <module>] [layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 <l2-opts> | <opts> | f1 <f1-opts> | span-egress | urpf-fail] [__readonly__ TABLE_hardware_rate_limiter <rate-limit-class> <class-descr> <module> <rate-limit-configured> [<rate-limit-allowed>] [<rate-limit-dropped>] [<rate-limit-total>]]

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
l3-opts	(Optional)
multicast	(Optional) Multicast data packets
mcast-opts	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
l2-opts	(Optional)
opts	(Optional)
f1	(Optional) Control packets from F1 modules to supervisor
f1-opts	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_hardware_rate_limiter	(Optional) the xml Rate-Limiter configuration and statistics
rate-limit-class	(Optional) the xml rate limiter class
class-descr	(Optional) class description
module	(Optional) the xml module number
rate-limit-configured	(Optional) the xml rate-limit-configured
rate-limit-allowed	(Optional) the xml rate-limit-allowed

rate-limit-dropped	(Optional) the xml rate-limit-dropped
rate-limit-total	(Optional) the xml rate-limit-total

Command Mode

- /exec

show hardware rate-limiter

show hardware rate-limiter [module <module>] [layer-3 { <l3-opts> | multicast <mcast-opts> } | layer-2 <l2-opts> | <opts> | f1 <f1-opts> | span-egress | urpf-fail] [__readonly__ TABLE_hardware_rate_limiter <rate-limit-class> <class-descr> <module> <rate-limit-configured> [<rate-limit-allowed>] [<rate-limit-dropped>] [<rate-limit-total>]]

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
layer-3	(Optional) Layer-3 control and Routed packets
l3-opts	(Optional)
multicast	(Optional) Multicast data packets
mcast-opts	(Optional)
layer-2	(Optional) Layer-2 control and Bridged packets
l2-opts	(Optional)
opts	(Optional)
f1	(Optional) Control packets from F1 modules to supervisor
f1-opts	(Optional)
span-egress	(Optional) SPAN/ERSPAN egress packets
urpf-fail	(Optional) URPF fail packets
module	(Optional) Specify a module number
module	(Optional) Specify a module number
__readonly__	(Optional)
TABLE_hardware_rate_limiter	(Optional) the xml Rate-Limiter configuration and statistics
rate-limit-class	(Optional) the xml rate limiter class
class-descr	(Optional) class description
module	(Optional) the xml module number
rate-limit-configured	(Optional) the xml rate-limit-configured
rate-limit-allowed	(Optional) the xml rate-limit-allowed

rate-limit-dropped	(Optional) the xml rate-limit-dropped
rate-limit-total	(Optional) the xml rate-limit-total

Command Mode

- /exec

show hardware rate-limiter span-egress

show hardware rate-limiter span-egress [__readonly__ TABLE_hardware_rate_limiter <rate-limit-class> <class-descr> <module> <rate-limit-configured> <rate-limit-allowed> <rate-limit-dropped> <rate-limit-total>]

Syntax Description

show	Show running system information
hardware	Show hardware information
rate-limiter	Show Rate-Limiter configs and statistics
span-egress	SPAN/ERSPAN egress packets
__readonly__	(Optional)
TABLE_hardware_rate_limiter	(Optional) the xml Rate-Limiter configuration and statistics
rate-limit-class	(Optional) the xml rate limiter class
class-descr	(Optional) class description
module	(Optional) the xml module number
rate-limit-configured	(Optional) the xml rate-limit-configured
rate-limit-allowed	(Optional) the xml rate-limit-allowed
rate-limit-dropped	(Optional) the xml rate-limit-dropped
rate-limit-total	(Optional) the xml rate-limit-total

Command Mode

- /exec

show hardware rl snmp class-id

show hardware rl snmp class-id <class-id> [__readonly__ TABLE-classRateLimiterTable <class-id-out> <class-descr>]

Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
class-id	rate-limiter class-id
class-id	rate-limiter class
__readonly__	(Optional)
TABLE-classRateLimiterTable	(Optional) Class Rate Limiter Table
class-id-out	(Optional) class if out
class-descr	(Optional) class description

Command Mode

- /exec

show hardware rl snmp global class-id

show hardware rl snmp global class-id <class-id> [__readonly__ TABLE-globalRateLimiterTable <class-id-out> <rate-limit-configured> <rate-limit-allowed> <rate-limit-dropped> <rate-limit-total>]

Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
global	Show Global information
class-id	rate-limiter class-id
class-id	rate-limiter class
__readonly__	(Optional)
TABLE-globalRateLimiterTable	(Optional) Global Rate Limiter Table
class-id-out	(Optional) class if out
rate-limit-configured	(Optional) rate-limit-configured
rate-limit-allowed	(Optional) rate-limit-allowed
rate-limit-dropped	(Optional) rate-limit-dropped
rate-limit-total	(Optional) rate-limit-total

Command Mode

- /exec

show hardware rl snmp local snmp-index class-id

show hardware rl snmp local snmp-index <snmp-index> class-id <class-id> [__readonly__ TABLE-localRateLimiterTable <snmp-index-out> <class-id-out> <rate-limit-configured> <rate-limit-configured-source> <rate-limit-allowed> <rate-limit-dropped> <rate-limit-total>]

Syntax Description

show	Show running system information
hardware	Show hardware information
rl	Show Rate-Limiter configs and statistics
snmp	Show Rate-Limiter snmp information
local	Show Local information
snmp-index	snmp physical index
snmp-index	physical index
class-id	rate-limiter class-id
class-id	rate-limiter class
__readonly__	(Optional)
TABLE-localRateLimiterTable	(Optional) Local Rate Limiter Table
snmp-index-out	(Optional) snmp index out
class-id-out	(Optional) class if out
rate-limit-configured	(Optional) rate-limit-configured
rate-limit-configured-source	(Optional) rate-limit-configured-source
rate-limit-allowed	(Optional) rate-limit-allowed
rate-limit-dropped	(Optional) rate-limit-dropped
rate-limit-total	(Optional) rate-limit-total

Command Mode

- /exec

show hostname

show { hostname | switchname } [__readonly__ { <hostname> }]

Syntax Description

show	Show running system information
hostname	show the system's hostname
switchname	show the system's hostname
__readonly__	(Optional) Read Only
hostname	(Optional)

Command Mode

- /exec

show hosts

show hosts [__readonly__ [<dnslookup>] [<dnsnameservice>] [{ TABLE_vrf <vrfname> [<defaultdomains>] [<additionaldomainserver>] [<domainservers>] [<nameservice>] [<dhcpdomains>] [<dhcpdomainservers>] }] [{ TABLE_dnsconfigvrf <dnsvrfname> [<usevrf>] [<token>] [{ TABLE_dnsconfigvrfconfig <config> }] }] [{ TABLE_hosts <host> [<address>] }]]

Syntax Description

show	Show running system information
hosts	Show information about DNS
__readonly__	(Optional)
dnslookup	(Optional) dns lookup enable status
dnsnameservice	(Optional) name service
TABLE_vrf	(Optional) vrf domain servers
vrfname	(Optional) vrf name
defaultdomains	(Optional) default domain
additionaldomainserver	(Optional) additionaldomain
domainservers	(Optional) domain server
nameservice	(Optional) name service
dhcpdomains	(Optional) dhcp domains
dhcpdomainservers	(Optional) dhcpservers
TABLE_dnsconfigvrf	(Optional) dns config vrf
dnsvrfname	(Optional) vrfname
usevrf	(Optional) usevrf
token	(Optional) token
TABLE_dnsconfigvrfconfig	(Optional) dns config vrf config
config	(Optional) token
TABLE_hosts	(Optional) all configured dns hosts
host	(Optional) xml host information
address	(Optional) xml address information

Command Mode

- /exec

show hsrp

show hsrp [interface <interface-id>] [group <group-number>] [active | init | learn | listen | speak | standby] + [all] [brief [all] | detail] [ipv4 | ipv6] [__readonly__ <show_hsrp_start> { TABLE_grp_detail <sh_if_index> <sh_group_num> <sh_group_type> <sh_group_version> <sh_group_state> [<sh_state_reason>] <sh_prio> <sh_cfg_prio> <sh_fwd_lower_threshold> <sh_fwd_upper_threshold> <sh_can_forward> <sh_preempt> [<sh_preempt_min_delay>] [<sh_preempt_min_delay_active>] [<sh_preempt_reload_delay>] [<sh_preempt_reload_delay_active>] [<sh_preempt_sync_delay>] [<sh_preempt_sync_delay_active>] <sh_cur_hello> <sh_cur_hello_attr> [<sh_cfg_hello>] [<sh_cfg_hello_attr>] [<sh_active_hello>] <sh_cur_hold> <sh_cur_hold_attr> [<sh_cfg_hold>] [<sh_cfg_hold_attr>] [<sh_vip> | <sh_vip_v6>] <sh_vip_attr> <sh_num_vip_sec> { [TABLE_grp_vip_sec <sh_vip_sec>] } [<sh_active_router_addr> | <sh_active_router_addr_v6>] <sh_active_router_prio> [<sh_active_router_timer>] [<sh_standby_router_addr> | <sh_standby_router_addr_v6>] <sh_standby_router_prio> <sh_authentication_type> <sh_authentication_data> [<sh_keystring_attr>] [<sh_keystring_timeout>] [<sh_keystring_cur_valid>] <sh_vmac> <sh_vmac_attr> <sh_num_of_state_changes> [<sh_last_state_change>] <sh_num_of_total_state_changes> [<sh_last_total_state_change>] { [TABLE_grp_track_obj <sh_track_obj> <sh_track_obj_state> <sh_track_obj_prio>] } <sh_num_track_obj> <sh_ip_redund_name> <sh_ip_redund_name_attr> } <show_hsrp_end>]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
active	(Optional) Groups in active state
init	(Optional) Groups in init state
listen	(Optional) Groups in listen state
standby	(Optional) Groups in standby state
learn	(Optional) Groups in learn state
speak	(Optional) Groups in speak state
group	(Optional) Group number
group-number	(Optional) Group Number
all	(Optional) Include groups in disabled state
brief	(Optional) Brief output
detail	(Optional) Detailed output
ipv4	(Optional) HSRP V4 Groups
ipv6	(Optional) HSRP V6 Groups

all	(Optional) Display all VIPs
__readonly__	(Optional) Read only
show_hsrp_start	(Optional) Show hsrp start
TABLE_grp_detail	(Optional) Group table detail
sh_if_index	(Optional) Interface type and number
sh_group_num	(Optional) Group number
sh_group_state	(Optional) HSRP state
sh_state_reason	(Optional) Reason
sh_group_type	(Optional) Group type
sh_group_version	(Optional) Group version
sh_prio	(Optional) Priority
sh_cfg_prio	(Optional) Configured priority
sh_fwd_lower_threshold	(Optional) Lower threshold value
sh_fwd_upper_threshold	(Optional) Upper threhsold value
sh_can_forward	(Optional) Current forwarding status
sh_preempt	(Optional) Preemption enabled/not
sh_preempt_min_delay	(Optional) Preemption min delay
sh_preempt_min_delay_active	(Optional) Active preemption min delay
sh_preempt_reload_delay	(Optional) Preemption reload delay
sh_preempt_reload_delay_active	(Optional) Active preemption reload delay
sh_preempt_sync_delay	(Optional) Preemption sync delay
sh_preempt_sync_delay_active	(Optional) Active preemption sync delay
sh_cur_hello	(Optional) Current hello time
sh_cur_hello_attr	(Optional) Hello time in ms/not
sh_cfg_hello	(Optional) Configured hello time
sh_cfg_hello_attr	(Optional) Hello time in ms/not
sh_active_hello	(Optional) Active hello time
sh_cur_hold	(Optional) Current hold time
sh_cur_hold_attr	(Optional) Hello time in ms/not

sh_cfg_hold	(Optional) Configured hold time
sh_cfg_hold_attr	(Optional) Hello time in ms/not
sh_vip	(Optional) Virtual IP address
sh_vip_attr	(Optional) Virtual IP address attribute
sh_num_vip_sec	(Optional) Number of Secondary virtual IP address
TABLE_grp_vip_sec	(Optional) Group secondary ip address
sh_vip_sec	(Optional) Secondary virtual IP address
sh_active_router_addr	(Optional) Active router address
sh_active_router_prio	(Optional) Active router priority
sh_active_router_timer	(Optional) Active router expiry timer
sh_standby_router_addr	(Optional) Standby router address
sh_standby_router_prio	(Optional) Standby router priority
sh_authentication_type	(Optional) Authentication type
sh_authentication_data	(Optional) Authentication data
sh_keystring_attr	(Optional) Keystring attribute
sh_keystring_timeout	(Optional) Keystring timeout
sh_keystring_cur_valid	(Optional) Keystring current valid time
sh_vmac	(Optional) Virtual MAC
sh_vmac_attr	(Optional) Virtual MAC attribute
sh_num_of_state_changes	(Optional) Number of state changes
sh_last_state_change	(Optional) Last state change time
sh_num_of_total_state_changes	(Optional) Number of total state changes
sh_last_total_state_change	(Optional) Last total state change time
sh_num_track_obj	(Optional) Number of tracked objects
TABLE_grp_track_obj	(Optional) Group tracked objects
sh_track_obj	(Optional) Tracked object
sh_track_obj_state	(Optional) State of tracked object
sh_track_obj_prio	(Optional) Tracked object priority decrement
sh_ip_redund_name	(Optional) IP redundancy name

sh_ip_redund_name_attr	(Optional) IP redundancy name attribute
show_hsrp_end	(Optional) End of Group

Command Mode

- /exec

show hsrp anycast

show hsrp anycast [<id> { ipv4 | ipv6 | both }] [brief]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
id	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle
brief	(Optional) Brief output

Command Mode

- /exec

show hsrp anycast interface vlan

show hsrp anycast interface { vlan | bdi } <id>

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
interface	Bundle on this interface Interface
vlan	VLAN interface
bdi	Bridge-Domain interface
id	VLAN number

Command Mode

- /exec

show hsrp anycast remote-db

show hsrp anycast remote-db [<id> { ipv4 | ipv6 | both }]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
remote-db	Remote data base for the bundle
id	(Optional) Bundle number
ipv4	(Optional) Associate IP Version 4 for the bundle
ipv6	(Optional) Associate IP Version 6 for the bundle
both	(Optional) Associate IP Version 4 and 6 for the bundle

Command Mode

- /exec

show hsrp anycast summary

show hsrp anycast summary

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
anycast	Anycast related commands
summary	Show HSRP summary

Command Mode

- /exec

show hsrp bfd-sessions

show hsrp bfd-sessions [interface <interface-id> [to <ipaddress>]]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
to	(Optional) To IP address
ipaddress	(Optional) Sessions to IP address

Command Mode

- /exec

show hsrp bfd-sessions

show hsrp bfd-sessions [interface <interface-id> [to <ipaddress>]] [__readonly__ [TABLE_bfd_sess [<interface>] [<list_size>] { [<src_addr>] | [<src_addr_v6>] } { [<dst_addr>] | [<dst_addr_v6>] } [<ref_count>] { [TABLE_ref_groups [<ref_group_id>]] } { [TABLE_hist_groups [<hist_group_id>] [<hist_operation>] [<hist_rel_time>] [<hist_abs_time>] [<hist_ref_count>] [<hist_group_state>] [<hist_status>] [<hist_op_reason>]] }]]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
to	(Optional) To IP address
ipaddress	(Optional) Sessions to IP address
__readonly__	(Optional)
TABLE_bfd_sess	(Optional)
interface	(Optional) Interface
list_size	(Optional) List size
src_addr	(Optional) IPv4 Source address
dst_addr	(Optional) IPv4 Destination address
ref_count	(Optional) Ref count
TABLE_ref_groups	(Optional)
ref_group_id	(Optional) Group id
TABLE_hist_groups	(Optional)
hist_group_id	(Optional) Group id
hist_operation	(Optional) Operation
hist_rel_time	(Optional) Relative time
hist_abs_time	(Optional) Absolute time
hist_ref_count	(Optional) Ref count
hist_group_state	(Optional) Group state

hist_status	(Optional) Status
hist_op_reason	(Optional) Op reason

Command Mode

- /exec

show hsrp delay

show hsrp delay [interface <interface-id>] [__readonly__ TABLE_delay <interface> <min_delay> <reload_delay>]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
delay	Group initialisation delay
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
__readonly__	(Optional)
TABLE_delay	(Optional)
interface	(Optional) Interface
min_delay	(Optional) Min delay
reload_delay	(Optional) Reload delay

Command Mode

- /exec

show hsrp ext-mib sec-addr

show hsrp ext-mib sec-addr [<ifindex-in> <group-id-in> <ip1-in> <ip2-in> <ip3-in> <ip4-in>] [__readonly__ TABLE_cHsrpExtSecAddrTable <ifindex-out> <group-id-out> <ip1-out> <ip2-out> <ip3-out> <ip4-out> { <cHsrpExtSecAddrTable> <cHsrpExtSecAddrAddress> <cHsrpExtSecAddrRowStatus> }]

Syntax Description

__readonly__	(Optional) Read Only
show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
ext-mib	Show hsrp extended mib specific configuration
sec-addr	Secondary virtual address
ifindex-in	(Optional) hsrp group ifindex
group-id-in	(Optional) hsrp group id
group-id-out	(Optional) hsrp group num
ifindex-out	(Optional) hsrp group interface index
ip1-in	(Optional) first part of vip
ip2-in	(Optional) second part of vip
ip3-in	(Optional) third part of vip
ip4-in	(Optional) fourth part of vip
ip1-out	(Optional) first part of vip out
ip2-out	(Optional) second part of vip out
ip3-out	(Optional) third part of vip out
ip4-out	(Optional) fourth part of vip out
TABLE_cHsrpExtSecAddrTable	(Optional) Hsrp extended mib secondary address table
cHsrpExtSecAddrTable	(Optional) Hsrp extended mib Secondary address table
cHsrpExtSecAddrAddress	(Optional) Hsrp extended mib Secondary Address
cHsrpExtSecAddrRowStatus	(Optional) Hsrp extended mib secondary address row status

Command Mode

- /exec

show hsrp ext-mib use-bia

show hsrp ext-mib use-bia [<ifindex-in>] [__readonly__ TABLE_cHsrpExtIfEntry <ifindex-out> { <cHsrpExtIfUseBIA> <cHsrpExtIfRowStatus> }]

Syntax Description

__readonly__	(Optional) Read Only
show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
ext-mib	Show hsrp extended mib specific configuration
use-bia	Use BIA
ifindex-in	(Optional) hsrp group ifindex
ifindex-out	(Optional) hsrp group ifindex
TABLE_cHsrpExtIfEntry	(Optional) Use BIA info table
cHsrpExtIfUseBIA	(Optional) Use BIA enabled
cHsrpExtIfRowStatus	(Optional) Use BIA row status

Command Mode

- /exec

show hsrp mgo

show hsrp mgo [name <name> | brief] [__readonly__ TABLE_hsrp_mgo <master_name> <master_interface> <master_address_family> <master_group_id> [<master_version>] <master_state> [<master_down_reason>] [{ TABLE_slave <slave_interface> <slave_group_id> <slave_state> [<slave_down_reason>] }] [<num_slave_group>]]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
mgo	Show HSRP mgo details
name	(Optional) Redundancy name string
name	(Optional) name string
brief	(Optional) show HSPR mgo brief
__readonly__	(Optional)
TABLE_hsrp_mgo	(Optional)
master_name	(Optional) HSRP master name
master_interface	(Optional) HSRP master interface
master_address_family	(Optional) HSRP master AF
master_group_id	(Optional) HSRP master group ID
master_version	(Optional) HSRP master version
master_state	(Optional) HSRP master state
master_down_reason	(Optional) HSRP master down reason
TABLE_slave	(Optional) Slave table
slave_interface	(Optional) HSRP slave interface
slave_group_id	(Optional) HSRP slave group id
slave_state	(Optional) HSRP slave state
slave_down_reason	(Optional) HSRP slave down reason
num_slave_group	(Optional) HSRP number of slave groups

Command Mode

- /exec

show hsrp summary

show hsrp summary [__readonly__ <switchover_notify_rxed> <bfd_enabled> <num_of_groups> <num_of_v4_v1_groups> <num_of_v4_v2_groups> <num_of_v6_v2_groups> <num_of_active_groups> <num_of_standby_groups> <num_of_listen_groups> <num_of_v6_active_groups> <num_of_v6_standby_groups> <num_of_v6_listen_groups> <num_of_hsrp_enabled_ifs> <counter_pkts_tx> <counter_pkts_tx_failure> <counter_pkts_in> <counter_pkts_bad_vr> <counter_mts_rx>]

Syntax Description

show	Show running system information
hsrp	Hot Standby Router Protocol (HSRP) information
summary	Show HSRP summary
__readonly__	(Optional)
switchover_notify_rxed	(Optional) Switchover notification received (1 => active)
bfd_enabled	(Optional) BFD status
num_of_groups	(Optional) Total number of groups
num_of_v4_v1_groups	(Optional) Number of IPv4 V1 groups
num_of_v4_v2_groups	(Optional) Number of IPv4 V2 groups
num_of_v6_v2_groups	(Optional) Number of IPv6 V2 groups
num_of_active_groups	(Optional) Number of active groups
num_of_standby_groups	(Optional) Number of standby groups
num_of_listen_groups	(Optional) Number of listen groups
num_of_v6_active_groups	(Optional) Number of IPv6 active groups
num_of_v6_standby_groups	(Optional) Number of IPv6 standby groups
num_of_v6_listen_groups	(Optional) Number of IPv6 listen groups
num_of_hsrp_enabled_ifs	(Optional) Number of HSRP enabled interfaces
counter_pkts_tx	(Optional) Number of packet transmission successes
counter_pkts_tx_failure	(Optional) Number of packet transmission failure
counter_pkts_in	(Optional) Number of packets received successfully
counter_pkts_bad_vr	(Optional) Number of packets for unknown groups
counter_mts_rx	(Optional) Number of MTS messages received

Command Mode

- /exec

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show icam entries acl module inst

show icam entries acl module <module> inst <inst> [history <num_intervals>] [sort { top <top_x> | sort-order { ascending | descending } | filter <f_f> [exact] | top <top_x> sort-order { ascending | descending } | top <top_x> filter <f_f> [exact] | top <top_x> sort-order { ascending | descending } filter <f_f> [exact] | top <top_x> filter <f_f> [exact] sort-order { ascending | descending } | sort-order { ascending | descending } top <top_x> | sort-order { ascending | descending } filter <f_f> [exact] | sort-order { ascending | descending } filter <f_f> [exact] top <top_x> | sort-order { ascending | descending } top <top_x> filter <f_f> [exact] | filter <f_f> [exact] top <top_x> | filter <f_f> [exact] sort-order { ascending | descending } | filter <f_f> [exact] top <top_x> sort-order { ascending | descending } | filter <f_f> [exact] sort-order { ascending | descending } top <top_x> }] [__readonly__ <module> <instance> [<num_intervals>] [{ TABLE_ACL_entries <Feature> <Pkt_Type> <SourceIP_Mask_DestIP_Mask> <Action> <Intf_name> <Stats> [<Rate>] }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
entries	TCAM Entries with result and stats
acl	ACL entries
module	Module Number
module	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
inst	Enter Instance Number
sort	(Optional) Sorted display
top	(Optional) Show top x% entries (Default:100%)
top_x	(Optional) x% of entries to be displayed
sort-order	(Optional) Choose the order of displaying sorted entries (Default:descending)
ascending	(Optional) Sort in Ascending order of Stats
descending	(Optional) Sort in Descending order of Stats
filter	(Optional) Feature to be filtered (Default:All)
f_f	(Optional) Enter feature to be filtered
exact	(Optional) Exact match for feature filter
history	(Optional) Show entries history
num_intervals	(Optional) Number of intervals to display

__readonly__	(Optional) Read Only
module	(Optional) Module number
instance	(Optional) Instance number
num_intervals	(Optional) Number of intervals displayed
TABLE_ACL_entries	(Optional) Table for ACL entries
Feature	(Optional) Feature name
Pkt_Type	(Optional) Packet type
SourceIP_Mask_DestIP_Mask	(Optional) IP addresses
Action	(Optional) Action
Intf_name	(Optional) Interface name
Stats	(Optional) Total stats
Rate	(Optional) Rate packets/sec

Command Mode

- /exec

show icam entries multicast module

show icam entries multicast module <module> [history <num_intervals>] [sort { top <top_x> | sort-order { ascending | descending } | top <top_x> sort-order { ascending | descending } | sort-order { ascending | descending } top <top_x> }] [__readonly__ <module> [<num_intervals>] [{ TABLE_MULTICAST_entries <Vdc> <Table_Id> <Source_Mask> <Group_Mask> <Rpf> <Stats> [<Rate>] }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
entries	TCAM Entries with result and stats
multicast	Multicast entries
module	Module Number
module	Enter Module Number
sort	(Optional) Sorted display
top	(Optional) Show top x% entries (Default:100%)
top_x	(Optional) x% of entries to be displayed
sort-order	(Optional) Choose the order of displaying sorted entries (Default:Descending)
ascending	(Optional) Sort in Ascending order of Stats
descending	(Optional) Sort in Descending order of Stats
history	(Optional) Show entries history
num_intervals	(Optional) Number of intervals to display
__readonly__	(Optional) Read Only
module	(Optional) Module number
num_intervals	(Optional) Number of intervals displayed
TABLE_MULTICAST_entries	(Optional) Table for Multicast entries
Vdc	(Optional) VDC id
Table_Id	(Optional) Table id
Source_Mask	(Optional) Source address
Group_Mask	(Optional) Group address
Rpf	(Optional) RPF/Ordinal

Stats	(Optional) Total stats
Rate	(Optional) Rate packets/sec

Command Mode

- /exec

show icam prediction entries acl module inst

show icam prediction entries acl module <module> inst <inst> <YYYY> <Month> <Date> <Time> [top <top_x>] [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_entries <Feature> <Pkt_Type> <Value_Mask> <Action> <Intf_name> <Stats> <Prediction> }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
prediction	Machine learning prediction
entries	TCAM Entries with result and stats
acl	ACL entries
module	Module Number
module	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
inst	Enter Instance Number
YYYY	Enter year in YYYY format
Month	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
Date	Enter day of month in dd format
Time	Enter hour, minutes, seconds as HH:MM:SS
top	(Optional) Show top x% entries (Default:1%)
top_x	(Optional) x% of entries to be displayed
__readonly__	(Optional) Read Only
module	(Optional) Module number
instance	(Optional) Instance number
TABLE_PREDICTION_ACL_entries	(Optional) Table for ACL entries prediction
Feature	(Optional) Feature name
Pkt_Type	(Optional) Packet type
Value_Mask	(Optional) Value mask
Action	(Optional) Action
Intf_name	(Optional) Interface name

Stats	(Optional) Current stats
Prediction	(Optional) Prediction

Command Mode

- /exec

show icam prediction entries multicast module

show icam prediction entries multicast module <module> <YYYY> <Month> <Date> <Time> [top <top_x>] [__readonly__ <module> [{ TABLE_PREDICTION_MULTICAST_entries <Vdc> <Table_Id> <Source_Mask> <Group_Mask> <Rpf> <Stats> <Prediction> }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
prediction	Machine learning prediction
entries	TCAM Entries with result and stats
multicast	Multicast entries
module	Module Number
module	Enter Module Number
YYYY	Enter year in YYYY format
Month	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
Date	Enter day of month in dd format
Time	Enter hour, minutes, seconds as HH:MM:SS
top	(Optional) Show top x% entries (Default:1%)
top_x	(Optional) x% of entries to be displayed
__readonly__	(Optional) Read Only
module	(Optional) Module number
TABLE_PREDICTION_MULTICAST_entries	(Optional) Table for multicast entries prediction
Vdc	(Optional) VDC id
Table_Id	(Optional) Table id
Source_Mask	(Optional) Source address
Group_Mask	(Optional) Group address
Rpf	(Optional) RPF/Ordinal
Stats	(Optional) Current stats
Prediction	(Optional) Prediction

Command Mode

- /exec

show icam prediction resource acl_tcam module inst

show icam prediction resource { acl_tcam | fib_tcam } module <module> inst <inst> <YYYY> <Month> <Date> <Time> [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <Feature_Entries> <Free_Entries> <Percent_Util> }] [<mod> <inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used> <Free> <Percent_Util> }] [{ TABLE_PREDICTION_FIB_tcam <Class> <Used_Entries> <Max_Entries> <Percent_Util> }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
prediction	Machine learning prediction
resource	TCAM Resource utilization
acl_tcam	ACL TCAM resource
fib_tcam	FIB TCAM resource
module	Module Number
module	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
inst	Enter Instance Number
YYYY	Enter year in YYYY format
Month	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
Date	Enter day of month in dd format
Time	Enter hour, minutes, seconds as HH:MM:SS
__readonly__	(Optional) Read Only
module	(Optional) Module number
instance	(Optional) Instance number
TABLE_PREDICTION_ACL_feature	(Optional) ACL Feature utilization predictions
Feature	(Optional) Feature name
Dir	(Optional) Direction
TCAM	(Optional) TCAM entry
BANK	(Optional) BANK entry
Feature_Entries	(Optional) Feature_Entries

Free_Entries	(Optional) Free_Entries
Percent_Util	(Optional) Percent_Util
mod	(Optional) Module number
inst	(Optional) Instance number
TABLE_PREDICTION_ACL_tcam	(Optional) ACL TCAM utilization predictions
Tcam_no	(Optional) Tcam number
Bank_no	(Optional) Bank number
Used	(Optional) Used
Free	(Optional) Free
Percent_Util	(Optional) Percent_Util
TABLE_PREDICTION_FIB_tcam	(Optional) FIB TCAM utilization predictions
Class	(Optional) FIB class
Used_Entries	(Optional) Used entries
Max_Entries	(Optional) Max entries
Percent_Util	(Optional) Percent_Util

Command Mode

- /exec

show icam prediction scale

show icam prediction scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } | { vxlan [test] } }] <YYYY> <Month> <Date> <Time> [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] }] }] }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
scale	Verified scale
prediction	Machine learning prediction
l2-switching	(Optional) Layer 2 switching
multicast-routing	(Optional) Multicast routing
unicast-routing	(Optional) Unicast routing
vxlan	(Optional) VxLAN
mac-addresses	(Optional) MAC addresses
mst-instances	(Optional) MST instances
mst-vports	(Optional) MST virtual ports
rpvst-vports	(Optional) RPVST virtual ports
rpvst-vlans	(Optional) RPVST VLANs
vlans	(Optional) VLANs
multicast-routes	(Optional) Multicast routes
igmp-groups	(Optional) IGMP groups
pim-neighbors	(Optional) PIM neighbors
outgoing-interfaces	(Optional) Outgoing interfaces
bfd-sessions	(Optional) BFD sessions
eigrp-routes	(Optional) EIGRP routes
ipv4-arp	(Optional) IPv4 ARP
ipv4-host-routes	(Optional) IPv4 host routes

ipv6-host-routes	(Optional) IPv6 host routes
ipv4-isis-routes	(Optional) IPv4 IS-IS routes
ospf-nbr	(Optional) OSPF neighbors
ospf-lsa	(Optional) OSPF LSAs
ospf-area	(Optional) OSPF Areas
ospf-vrf	(Optional) OSPF VRFs
ospf-passive-intf	(Optional) OSPF passive interfaces
test	(Optional) VxLAN test
__readonly__	(Optional) Read Only
Info_Thres	(Optional) Configured info threshold percent
Warn_Thres	(Optional) Configured warning threshold percent
Crit_Thres	(Optional) Configured critical threshold percent
TABLE_technology	(Optional) Table technology
Technology	(Optional) Technology name
TABLE_feature	(Optional) Table feature
Feature	(Optional) Feature name
Verified_Scale	(Optional) Verified scale
Config_Scale	(Optional) Configured scale
TABLE_feature_stats	(Optional) Table feature stats
Used_Entries	(Optional) Used entries
Cur_Util	(Optional) Current utilization
YYYY	Enter year in YYYY format
Month	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
Date	Enter day of month in dd format
Time	Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show icam resource acl_tcam module inst

show icam resource { acl_tcam | fib_tcam } module <module> inst <inst> [history <num_intervals>] [__readonly__ <module> <instance> [{ TABLE_feature_resource <Feature> <TCAM> <BANK> [{ TABLE_ingress_stats <Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> }] }] [{ TABLE_egress_feature_resource <Feature> <TCAM> <BANK> [{ TABLE_egress_stats <Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> }] }] [<mod> <inst> { TABLE_tcam_bank_utilization <Tcam_no> <Bank_no> [{ TABLE_tcam_bank_stats <Used> <Free> <Percent_Util> <Timestamp> }] }] [{ TABLE_global_configs <Atomic_Update> <Bank_Chain_Mode> <Dynamic_Bank_Mapping> <LOU_Threshold_Value> }] [{ TABLE_fib_resource <Class> [{ TABLE_fib_stats <Used_Entries> <Max_Entries> <Percent_Util> <Timestamp> }] }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
resource	TCAM Resource utilization
acl_tcam	ACL TCAM resource
fib_tcam	FIB TCAM resource
module	Module Number
module	Enter Module Number
inst	ASIC/Forwarding Engine Instance Number
inst	Enter Instance Number
history	(Optional) Show resource history
num_intervals	(Optional) Number of intervals in history
__readonly__	(Optional) Read Only
module	(Optional) Module number
instance	(Optional) Instance number
TABLE_feature_resource	(Optional) Table for ingress feature resources
Feature	(Optional) Feature name
TCAM	(Optional) TCAM entry
BANK	(Optional) BANK entry
TABLE_ingress_stats	(Optional) Table for ingress feature stats
Feature_Entries	(Optional) Feature_Entries
Free_Entries	(Optional) Free_Entries

Percent_Util	(Optional) Percent_Util
Timestamp	(Optional) Timestamp
TABLE_egress_feature_resource	(Optional) Table for egress feature resources
Feature	(Optional) Feature name
TCAM	(Optional) TCAM entry
BANK	(Optional) BANK entry
TABLE_egress_stats	(Optional) Table for egress feature stats
Feature_Entries	(Optional) Feature_Entries
Free_Entries	(Optional) Free_Entries
Percent_Util	(Optional) Percent_Util
Timestamp	(Optional) Timestamp
mod	(Optional) Module number
inst	(Optional) Instance number
TABLE_tcam_bank_utilization	(Optional) Table for tcam and bank utilization
Tcam_no	(Optional) Tcam number
Bank_no	(Optional) Bank number
TABLE_tcam_bank_stats	(Optional) Table for tcam and bank stats
Used	(Optional) Used
Free	(Optional) Free
Percent_Util	(Optional) Percent_Util
Timestamp	(Optional) Timestamp
TABLE_global_configs	(Optional) TABLE_global_configs
Atomic_Update	(Optional) Atomic_Update
Bank_Chain_Mode	(Optional) Bank_Chain_Mode
Dynamic_Bank_Mapping	(Optional) Dynamic_Bank_Mapping
LOU_Threshold_Value	(Optional) LOU_Threshold_Value
TABLE_fib_resource	(Optional) Table for fib resources
Class	(Optional) FIB class
TABLE_fib_stats	(Optional) Table for fib resource stats

Used_Entries	(Optional) Used entries
Max_Entries	(Optional) Max entries
Percent_Util	(Optional) Percent_Util
Timestamp	(Optional) Timestamp

Command Mode

- /exec

show icam scale

show icam scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } | { vxlan [test] } }] [history <num_intervals> | utilization | thresholds] [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] [<Thres_Exceeded> <Polled_TS>] [<Avg_Util>] [<Week_Util> <Week_TS>] [<Peak_Util> <Peak_TS>] [<Info_Thres_Exceed> <Info_Thres_Exceed_TS> <Warn_Thres_Exceed> <Warn_Thres_Exceed_TS> <Crit_Thres_Exceed> <Crit_Thres_Exceed_TS>] }] }] }]]

Syntax Description

show	Show running system information
icam	intelligent CAM
scale	Verified scale
l2-switching	(Optional) Layer 2 switching
multicast-routing	(Optional) Multicast routing
unicast-routing	(Optional) Unicast routing
vxlan	(Optional) VxLAN
mac-addresses	(Optional) MAC addresses
mst-instances	(Optional) MST instances
mst-vports	(Optional) MST virtual ports
rpvst-vports	(Optional) RPVST virtual ports
rpvst-vlans	(Optional) RPVST VLANs
vlans	(Optional) VLANs
multicast-routes	(Optional) Multicast routes
igmp-groups	(Optional) IGMP groups
pim-neighbors	(Optional) PIM neighbors
outgoing-interfaces	(Optional) Outgoing interfaces
bfd-sessions	(Optional) BFD sessions
eigrp-routes	(Optional) EIGRP routes
ipv4-arp	(Optional) IPv4 ARP

ipv4-host-routes	(Optional) IPv4 host routes
ipv6-host-routes	(Optional) IPv6 host routes
ipv4-isis-routes	(Optional) IPv4 IS-IS routes
ospf-nbr	(Optional) OSPF neighbors
ospf-lsa	(Optional) OSPF LSAs
ospf-area	(Optional) OSPF Areas
ospf-vrf	(Optional) OSPF VRFs
ospf-passive-intf	(Optional) OSPF passive interfaces
test	(Optional) VxLAN test
history	(Optional) Show scale history
num_intervals	(Optional) Number of intervals in history
utilization	(Optional) Show utilization statistics
thresholds	(Optional) Show thresholds statistics
__readonly__	(Optional) Read Only
Info_Thres	(Optional) Configured info threshold percent
Warn_Thres	(Optional) Configured warning threshold percent
Crit_Thres	(Optional) Configured critical threshold percent
TABLE_technology	(Optional) Table technology
Technology	(Optional) Technology name
TABLE_feature	(Optional) Table feature
Feature	(Optional) Feature name
Verified_Scale	(Optional) Verified scale
Config_Scale	(Optional) Configured scale
TABLE_feature_stats	(Optional) Table feature stats
Used_Entries	(Optional) Used entries
Cur_Util	(Optional) Current utilization
Thres_Exceeded	(Optional) Threshold type exceeded
Polled_TS	(Optional) Polled timestamp
Avg_Util	(Optional) Average utilization

Week_Util	(Optional) 1 week utilization
Week_TS	(Optional) 1 week peak utilization timestamp
Peak_Util	(Optional) Peak utilization
Peak_TS	(Optional) Peak utilization timestamp
Info_Thres_Exceed	(Optional) Number of times info threshold exceeded
Info_Thres_Exceed_TS	(Optional) Last info threshold exceeded timestamp
Warn_Thres_Exceed	(Optional) Number of times warning threshold exceeded
Warn_Thres_Exceed_TS	(Optional) Last warning threshold exceeded timestamp
Crit_Thres_Exceed	(Optional) Number of times critical threshold exceeded
Crit_Thres_Exceed_TS	(Optional) Last critical threshold exceeded timestamp

Command Mode

- /exec

show ieth-header-decode

show ieth-header-decode <ieth>

Syntax Description

show	Show running system information
ieth-header-decode	Show decode of ieth header
ieth	ieth header in hex (0xFF...) or string (FF..) form

Command Mode

- /exec

show imp client

show imp client

Syntax Description

show	Show running system information
imp	ipsec management process
client	Show ipsec clients name

Command Mode

- /exec

show imp client sa

show imp client sa

Syntax Description

show	Show running system information
imp	IPSec management process
client	IMP clinet
sa	Display all SAs

Command Mode

- /exec

show inband-telemetry exporter

show inband-telemetry exporter [name] [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
exporter	Show INT Exporter Configuration
name	(Optional) Show a specific INT Exporter
exportername	(Optional) Specify an exporter
__readonly__	(Optional)
exporter	(Optional)
description	(Optional)
dest	(Optional)
vrf	(Optional)
vrf_id	(Optional)
vrf_resolved	(Optional)
dest_udp	(Optional)
source_intf	(Optional)
source_ip	(Optional)
dscp	(Optional)

Command Mode

- /exec

show inband-telemetry flow-profile

show inband-telemetry flow-profile [name] [<flow-profilename>] [__readonly__ <flow-profile> <description> <dscp> <age> <latency>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
flow-profile	Show INT flow Profile Configuration
name	(Optional) Show a specific INT flow Profile
flow-profilename	(Optional) Specify an flow Profile
__readonly__	(Optional)
flow-profile	(Optional)
description	(Optional)
dscp	(Optional)
age	(Optional)
latency	(Optional)

Command Mode

- /exec

show inband-telemetry monitor

show inband-telemetry monitor [name] [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <record> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
monitor	Show Monitor Configuration
name	(Optional) Show a specific INT Monitor
monitorname	(Optional) Specify a monitor
cache	(Optional) Flow monitor cache contents
detailed	(Optional) Show the entire cache contents
__readonly__	(Optional)
monitor	(Optional)
use_count	(Optional)
description	(Optional)
record	(Optional)
event	(Optional)
exporter	(Optional)
bucket_id	(Optional)
src_addr	(Optional)
dest_addr	(Optional)
watchlist	(Optional)

Command Mode

- /exec

show inband-telemetry queue-profile

show inband-telemetry queue-profile [name] [<queue-profilename>] [__readonly__ <queue-profile> <description> <depth> <latency>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
queue-profile	Show INT Queue Profile Configuration
name	(Optional) Show a specific INT Queue Profile
queue-profilename	(Optional) Specify an Queue Profile
__readonly__	(Optional)
queue-profile	(Optional)
description	(Optional)
depth	(Optional)
latency	(Optional)

Command Mode

- /exec

show inband-telemetry record

show inband-telemetry record [name] [{ <recordname> }] [__readonly__ <record> <description> <use_count>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
record	Show Record Configuration
name	(Optional) Show the configuration for a specific INT Record
recordname	(Optional) Specify a record
__readonly__	(Optional)
record	(Optional)
description	(Optional)
use_count	(Optional)

Command Mode

- /exec

show inband-telemetry sessions

show inband-telemetry sessions [<monitorname>] [__readonly__ <monitor>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
sessions	Show Session Configuration
monitorname	(Optional) Specify a monitor
__readonly__	(Optional)
monitor	(Optional)

Command Mode

- /exec

show inband-telemetry watchlist

show inband-telemetry watchlist [name] [{ <watchlistname> }] [__readonly__ <watchlist> <use_count> <description> <num_aces> <ace_seq_num> <ace_action> <ace_type> <ace_sip> <ace_sip_len> <ace_dip> <ace_dip_len>]

Syntax Description

show	Show running system information
inband-telemetry	Show INT information
watchlist	Show watchlist Configuration
name	(Optional) Show the configuration for a specific INT Record
watchlistname	(Optional) Specify a watchlist
__readonly__	(Optional)
watchlist	(Optional)
use_count	(Optional)
description	(Optional)
num_aces	(Optional)
ace_seq_num	(Optional)
ace_action	(Optional)
ace_type	(Optional)
ace_sip	(Optional)
ace_sip_len	(Optional)
ace_dip	(Optional)
ace_dip_len	(Optional)

Command Mode

- /exec

show incompatibility-all system

show incompatibility-all { system <uri0> | nxos <uri1> } [__readonly__ { [TABLE_incompat_all <Str1> [<Serv>] [<Cap>] [<Desc>] [<Req>] [<Enable>]] [<Dynamic>] }]

Syntax Description

show	Show running system information
incompatibility-all	Show incompatible configurations for the entire system
system	show incompatibilities with an image
uri0	Enter image uri
nxos	show incompatibilities with an image
uri1	Enter image uri
__readonly__	(Optional)
TABLE_incompat_all	(Optional) Show incompatibility system table
Str1	(Optional)
Serv	(Optional)
Cap	(Optional)
Desc	(Optional)
Req	(Optional)
Enable	(Optional)
Dynamic	(Optional)

Command Mode

- /exec

show incompatibility system

show incompatibility { system <uri0> | nxos <uri1> } [__readonly__ { [TABLE_incompat <Str1> [<Serv>] [<Cap>] [<Desc>] [<Req>] [<Enable>]] [<Dynamic>] }]

Syntax Description

show	Show running system information
incompatibility	Show incompatible configurations
system	show incompatibilities with an image
uri0	Enter image uri
nxos	show incompatibilities with an image
uri1	Enter image uri
__readonly__	(Optional)
TABLE_incompat	(Optional) Show incompatibility system table
Str1	(Optional)
Serv	(Optional)
Cap	(Optional)
Desc	(Optional)
Req	(Optional)
Enable	(Optional)
Dynamic	(Optional)

Command Mode

- /exec

show install

show install { inactive | active [brief] | committed } [__readonly__ { <curr_nxos_image> [TABLE_smu_list <install_smu_id> +] [TABLE_package_list <package_id>] [TABLE_base_package_list <base_package_id>] }]

Syntax Description

show	Show running system information
install	Install related show commands
inactive	Inactive packages
active	Active packages
brief	(Optional) Brief
committed	Committed packages
__readonly__	(Optional)
curr_nxos_image	(Optional) NXOS image
TABLE_smu_list	(Optional)
install_smu_id	(Optional) install operation smu identifier
TABLE_package_list	(Optional)
package_id	(Optional) Package name
TABLE_base_package_list	(Optional)
base_package_id	(Optional) Base package name

Command Mode

- /exec

show install all failed-standby

show install all failed-standby [__readonly__ { [TABLE_installFailStandby <Str1>] }]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	Show install all information
failed-standby	show log from failed standby
__readonly__	(Optional)
TABLE_installFailStandby	(Optional) Install failed-standby table
Str1	(Optional)

Command Mode

- /exec

show install all failure-reason

show install all failure-reason [__readonly__ { [TABLE_installFailReason <installFailReasonStr>] }]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
failure-reason	Show failure reason for the last install all
__readonly__	(Optional)
TABLE_installFailReason	(Optional) Install failure-reason table
installFailReasonStr	(Optional)

Command Mode

- /exec

show install all impact

show install all impact [nxos <uri>] + [non-disruptive]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
impact	show impact of the install all command
nxos	(Optional) boot-variable name
uri	(Optional) Enter image uri
non-disruptive	(Optional) non-disruptive show install

Command Mode

- /exec

show install all impact epld

show install all impact epld <uri1> [__readonly__ [{ TABLE_compat <module> <type> <upgradable> <impact> <reason> }]]

Syntax Description

show	Show running system information
install	Show the software install status
all	show install all information
impact	show impact of the install all epld command
epld	Show EPLD install information
uri1	Local URI containing EPLD Image
__readonly__	(Optional)
TABLE_compat	(Optional)
module	(Optional)
type	(Optional)
upgradable	(Optional)
impact	(Optional)
reason	(Optional)

Command Mode

- /exec

show install all status

show install all status

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
status	show status of the current or last install all

Command Mode

- /exec

show install all time-stats

show install all time-stats [detail | handshake]

Syntax Description

show	Show running system information
install	Show the software install impact between two images
all	show install all information
time-stats	show overall time statistics of the last install all
detail	(Optional) show detailed time statistics of the last install all
handshake	(Optional) show handshake time statistics for sysmgr and lc processes of the last install all

Command Mode

- /exec

show install epld status

show install epld status [__readonly__ { <header_info> <entry_num> <module_num> <time> <status> <reason> <curr_ver> <old_ver> <epld_name> <epld_install_name> }]

Syntax Description

show	Show running system information
install	Show the software install status
epld	Show EPLD install information
status	Show status of previous EPLD upgrades
__readonly__	(Optional)
header_info	(Optional)
entry_num	(Optional)
module_num	(Optional)
time	(Optional)
status	(Optional)
reason	(Optional)
curr_ver	(Optional)
old_ver	(Optional)
epld_name	(Optional)
epld_install_name	(Optional)

Command Mode

- /exec

show install impact

show install impact <uri0>

Syntax Description

show	Show running system information
install	Show the software install impact between two images
impact	impact system_uri {active_system_uri/active_kickstart_uri}
uri0	Enter system URI

Command Mode

- /exec

show install impact

show install impact <uri0> <uri1>

Syntax Description

show	Show running system information
install	Show the software install impact between two images
impact	impact system_uri {active_system_uri/active_kickstart_uri}
uri0	Enter system URI
uri1	Enter active URI

Command Mode

- /exec

show install impact detail

show install impact <uri0> detail

Syntax Description

show	Show running system information
install	Show the software install impact between two images
impact	impact system_uri {active_system_uri/active_kickstart_uri}
uri0	Enter system URI
detail	Show detailed install impact of given system image

Command Mode

- /exec

show install log

show install log { [<id> | from <id1>] [detail] [reverse] | [last] } [__readonly__ { current_time <curr_time> [TABLE_show_log_output <install_id> <install_log_entry> +] }]

Syntax Description

show	Show running system information
install	Install related show commands
log	log
id	(Optional) Install Identifies
from	(Optional) Starting at this install identifier
id1	(Optional) Install Identifier
detail	(Optional) Detailed information including impacted processes
reverse	(Optional) Displays the logs in reverse order
last	(Optional) Display the logs for last install operation
__readonly__	(Optional)
current_time	(Optional) current time
curr_time	(Optional) current time
TABLE_show_log_output	(Optional)
install_id	(Optional) install operation id
install_log_entry	(Optional) install log entry

Command Mode

- /exec

show install mode

show install mode [__readonly__ { <install_mode> <image_type> }]

Syntax Description

show	Show running system information
install	Install related show commands
mode	Display mode and type of booted image
__readonly__	(Optional)
install_mode	(Optional) install mode
image_type	(Optional) image type

Command Mode

- /exec

show install packages

show install packages [__readonly__ { <curr_nxos_image> [TABLE_package_list <package_name> <version> <state> <signature>] }]

Syntax Description

show	Show running system information
install	Install related show commands
packages	All packages
__readonly__	(Optional)
curr_nxos_image	(Optional) NXOS image
TABLE_package_list	(Optional)
package_name	(Optional) Package name
version	(Optional) Package version
state	(Optional) package state
signature	(Optional) Signature

Command Mode

- /exec

show install patches

show install patches [__readonly__ { <curr_nxos_image> [TABLE_smu_list <install_smu_id> <install_smu_state> [TABLE_module_list <install_modno> <install_mod_smu_state>]] }]

Syntax Description

show	Show running system information
install	Install related show commands
patches	All Patches
__readonly__	(Optional)
TABLE_smu_list	(Optional)
curr_nxos_image	(Optional) NXOS image
install_smu_id	(Optional) install operation smu identifier
install_smu_state	(Optional) install operation smu state
TABLE_module_list	(Optional)
install_modno	(Optional) install operation module number
install_mod_smu_state	(Optional) install operation module state

Command Mode

- /exec

show interface

show interface <ifmgmt> [__readonly__ TABLE_interface <interface> <state> [<state_rsn_desc>] [<state_rsn>] [<eth_rsn_fac>] [<eth_rsn_code>] [<share_state>] [<eth_bundle>] [<eth_dce_mode>] [<vpc_status>] [<eth_hw_desc>] [<eth_hw_addr>] [<eth_bia_addr>] [<desc>] [<eth_ip_addr>] [<eth_ip_mask>] [<eth_ip_prefix>] [<eth_mtu>] [<eth_bw>] [<eth_encap_vlan>] [<encapsulation>] [<eth_dly>] [<eth_reliability>] [<eth_txload>] [<eth_rxload>] [<eth_loopback>] [<eth_keepalive>] [<eth_duplex>] [<eth_speed>] [<eth_mode>] [<eth_ratemode>] [<eth_autoneg>] [<eth_beacon>] [<eth_media>] [<eth_in_flowctrl>] [<eth_out_flowctrl>] [<eth_mdix>] [<eth_swt_monitor>] [<eth_ethertype>] [<eth_members>] [<eth_clk_mode>] [<eth_arp_type>] [<eth_arp_timeout>] [<eth_last_in>] [<eth_last_out>] [<eth_out_hang>] [<eth_clear_counters>] [<eth_link_flapped>] [<eth_inq_size>] [<eth_inq_max>] [<eth_inq_drops>] [<eth_inq_flush>] [<eth_out_drop>] [<eth_q_strategy>] [<eth_outq_size>] [<eth_outq_max>] [<eth_reset_cntr>] [<mgmt_hw_desc>] [<mgmt_hw_addr>] [<mgmt_ip_addr>] [<mgmt_ip_mask>] [<mgmt_mtu>] [<mgmt_speed>] [<mgmt_duplex>] [<vdc_lvl_in_avg_bits>] [<vdc_lvl_in_avg_pkts>] [<vdc_lvl_out_avg_bits>] [<vdc_lvl_out_avg_pkts>] [<vdc_lvl_in_pkts>] [<vdc_lvl_in_ucast>] [<vdc_lvl_in_mcast>] [<vdc_lvl_in_bcast>] [<vdc_lvl_in_bytes>] [<vdc_lvl_in_bps>] [<vdc_lvl_in_pps>] [<vdc_lvl_out_pkts>] [<vdc_lvl_out_ucast>] [<vdc_lvl_out_mcast>] [<vdc_lvl_out_bcast>] [<vdc_lvl_out_bytes>] [<vdc_lvl_out_bps>] [<vdc_lvl_out_pps>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifmgmt	Enter interface type and number in module/slot format
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn_desc	(Optional) Interface state reason detailed
state_rsn	(Optional) Interface state reason
eth_rsn_fac	(Optional) State reason facility
eth_rsn_code	(Optional) State reason code
share_state	(Optional) Interface ownership
eth_bundle	(Optional) Belongs to bundle
eth_dce_mode	(Optional) DCE mode description
vpc_status	(Optional) VPC status
eth_hw_desc	(Optional) HW description

eth_hw_addr	(Optional) HW address
eth_bia_addr	(Optional) bia address
desc	(Optional) Interface description
eth_ip_addr	(Optional) IP Address
eth_ip_mask	(Optional) IP address mask
eth_ip_prefix	(Optional) IP address prefix
eth_mtu	(Optional) MTU
eth_bw	(Optional) Bandwidth
eth_encap_vlan	(Optional) Encapsulation Vlan
encapsulation	(Optional) Encapsulation
eth_dly	(Optional) Delay
eth_reliability	(Optional) Reliability
eth_txload	(Optional) Tx load
eth_rxload	(Optional) Rx load
eth_loopback	(Optional) Loopback
eth_keepalive	(Optional) Keepalive
eth_duplex	(Optional) Duplex
eth_speed	(Optional) Speed
eth_mode	(Optional) Port mode
eth_ratemode	(Optional) Rate mode
eth_autoneg	(Optional) Autonegotiation
eth_beacon	(Optional) Beacon
eth_media	(Optional) Media type
eth_in_flowctrl	(Optional) Input flowcontrol
eth_out_flowctrl	(Optional) Output flowcontrol
eth_mdix	(Optional) Mdix
eth_swt_monitor	(Optional) Switchport Monitor
eth_ethertype	(Optional) EtherType
eth_members	(Optional) Members in this channel

eth_clk_mode	(Optional) Clock mode
eth_arp_type	(Optional) ARP type
eth_arp_timeout	(Optional) ARP timeout
eth_last_in	(Optional) Last input
eth_last_out	(Optional) Last output
eth_out_hang	(Optional) Last output hang
eth_clear_counters	(Optional) Last clearing of show interface counters
eth_link_flapped	(Optional) Last link flapped
eth_inq_size	(Optional) Input queue size
eth_inq_max	(Optional) Input queue max
eth_inq_drops	(Optional) Input queue drops
eth_inq_flush	(Optional) Input queue flushes
eth_out_drop	(Optional) Output drops
eth_q_strategy	(Optional) Queueing strategy
eth_outq_size	(Optional) Output queue size
eth_outq_max	(Optional) Output queue max
eth_reset_cntr	(Optional) Interface resets
mgmt_hw_desc	(Optional) HW description
mgmt_hw_addr	(Optional) HW address
mgmt_ip_addr	(Optional) IP address
mgmt_ip_mask	(Optional) IP address mask
mgmt_mtu	(Optional) MTU
mgmt_speed	(Optional) Speed
mgmt_duplex	(Optional) Duplex
vdc_lvl_in_avg_bits	(Optional) VDC level average input bits
vdc_lvl_in_avg_pkts	(Optional) VDC level average input packets
vdc_lvl_out_avg_bits	(Optional) VDC level average output bits
vdc_lvl_out_avg_pkts	(Optional) VDC level average output packets
vdc_lvl_in_pkts	(Optional) VDC level input packets

vdc_lvl_in_ucast	(Optional) VDC level input unicast packets
vdc_lvl_in_mcast	(Optional) VDC level input multicast packets
vdc_lvl_in_bcast	(Optional) VDC level input broadcast packets
vdc_lvl_in_bytes	(Optional) VDC level input bytes
vdc_lvl_in_bps	(Optional) VDC level input bytes per second
vdc_lvl_in_pps	(Optional) VDC level input packets per second
vdc_lvl_out_pkts	(Optional) VDC level output packets
vdc_lvl_out_ucast	(Optional) VDC level output unicast packets
vdc_lvl_out_mcast	(Optional) VDC level output multicast packets
vdc_lvl_out_bcast	(Optional) VDC level output broadcast packets
vdc_lvl_out_bytes	(Optional) VDC level output bytes
vdc_lvl_out_bps	(Optional) VDC level output bytes per second
vdc_lvl_out_pps	(Optional) VDC level output packets per second

Command Mode

- /exec

show interface

show interface <ifid_brief1> [brief] [__readonly__ [{ TABLE_interface_vfc [<interface_vfc>] [<vsan_brief>] [<oper_port_state>] [<port_state>] [<bound_interface>] [<port_desc>] [<port_des>] [<mgmt_hw_desc1>] [<mgmt_hw_addr1>] [<port_name>] [<hardware>] [<sfp>] [<port_wwn>] [<peer_port_wwn>] [<admin_mode>] [<admin_trunk_mode>] [<snmp_trap>] [<status>] [<state_rsn1>] [<fcot_info>] [<bind_info>] [<bind_mac>] [<bind_type>] [<port_mode>] [<fcid>] [<cfg_port_vsan>] [<vsan>] [<port_rate_mode>] [<oper_speed>] [<admin_speed>] [<port_channel>] [<ip_addr1>] [<oper_txbbcredit>] [<oper_rxbbcredit>] [<port_bb_scn>] [<admin_rxbufsize>] [<admin_port_encap>] [<admin_beacon_mode>] [<admin_fec_state>] [<oper_fec_state>] [<bundle_if_index>] [<trkd_if_index>] [<trk_cfg_vsans>] [<trkd_port_state>] [<num_ports>] [TABLE_trk_intf [<trk_intf>]] [<info_type_num>] [<info_model_num>] [<info_manufacturer>] [<info_port_id>] [<active_vsan>] [<trunk_vsan_up>] [<trunk_vsan_isolated>] [<trunk_vsan_initializing>] [<in_bps>] [<in_byps>] [<in_fps>] [<out_bps>] [<out_byps>] [<out_fps>] [<total_in_frames>] [<total_in_bytes>] [<total_in_discards>] [<total_in_errors>] [<invalid_crc>] [<unknown_class_frames>] [<frames_too_long>] [<frames_too_short>] [<total_out_frames>] [<total_out_bytes>] [<total_out_discards>] [<total_out_errors>] [<in_ols>] [<in_lrr>] [<in_nos>] [<in_loop_inits>] [<out_ols>] [<out_lrr>] [<out_nos>] [<out_loop_inits>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<fcoe_in_pkts>] [<fcoe_in_octets>] [<fcoe_out_pkts>] [<fcoe_out_octets>] [TABLE_members [<port_channel_member>]] [<interface_last_changed>] [<time_last_cleared>] }] [{ TABLE_interface_brief_vfc [<interface_vfc>] [<vsan_brief>] [<admin_mode>] [<admin_trunk_mode>] [<status>] [<fcot_info>] [<bind_info>] [<bind_type>] [<bind_mac>] [<port_rate_mode>] [<oper_speed>] [<port_channel>] [<ip_addr>] }]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_brief1	Enter interface type and number in module/slot format
brief	(Optional) Show brief info of interface
__readonly__	(Optional) Read Only
interface_vfc	(Optional) Interface index
TABLE_interface_vfc	(Optional) show interface
vsan_brief	(Optional) vsan for brief
oper_port_state	(Optional) oper port state
port_state	(Optional) port state
bound_interface	(Optional) bound interface
port_desc	(Optional) port description
port_des	(Optional) port description
mgmt_hw_desc1	(Optional) HW description

mgmt_hw_addr1	(Optional) HW address
port_name	(Optional) port description
hardware	(Optional) Hardware is
sfp	(Optional) sfp
port_wwn	(Optional) port wwn
peer_port_wwn	(Optional) peer port wwn
admin_mode	(Optional) admin mode
admin_trunk_mode	(Optional) admin trunk mode
snmp_trap	(Optional) snmp trap
status	(Optional) Status
state_rsn1	(Optional) state reason
fcot_info	(Optional) fcot info
bind_info	(Optional) bind interface
bind_mac	(Optional) bind mac
bind_type	(Optional) bind type
port_mode	(Optional) port mode
fcid	(Optional) fcid
cfg_port_vsan	(Optional) config port vsan
vsan	(Optional) vsan for brief
port_rate_mode	(Optional) operation port rate mode
oper_speed	(Optional) speed
admin_speed	(Optional) admin speed
port_channel	(Optional) port channel
ip_addr1	(Optional) Ip address
oper_txbbcredit	(Optional) oper tx bbcredit
oper_rxbbcredit	(Optional) oper rx bbcredit
port_bb_scn	(Optional) port bb scn
admin_rxbufsize	(Optional) admin rx bufsize
admin_port_encap	(Optional) admin port encap

admin_beacon_mode	(Optional) admin beacon mode
admin_fec_state	(Optional) admin fec state
oper_fec_state	(Optional) oper fec state
bundle_if_index	(Optional) bundle if index
trkd_if_index	(Optional) Trunk interfaces
trk_cfg_vsans	(Optional) Trunk vsans
trkd_port_state	(Optional) trunk port state
num_ports	(Optional) number of ports
TABLE_trk_intf	(Optional) trunk interfaces
trk_intf	(Optional) track interface
info_type_num	(Optional) info type num
info_model_num	(Optional) info model num
info_manufacturer	(Optional) info manufacturer
info_port_id	(Optional) info port id
active_vsan	(Optional) allowed and active vsan
trunk_vsan_up	(Optional) trunk vsan up
trunk_vsan_isolated	(Optional) trunk vsan isolated
trunk_vsan_initializing	(Optional) trunk vsan initializing
in_bps	(Optional) input bits/sec
in_byps	(Optional) input bytes/sec
in_fps	(Optional) input frames/sec
out_bps	(Optional) output bits/sec
out_byps	(Optional) output bytes/sec
out_fps	(Optional) output frames/sec
total_in_frames	(Optional) total in frames
total_in_bytes	(Optional) total in bytes
total_in_discards	(Optional) total in discards
total_in_errors	(Optional) total in errors
invalid_crc	(Optional) invalid crc

unknown_class_frames	(Optional) unknown class frames
frames_too_long	(Optional) frames too long
frames_too_short	(Optional) frames too short
total_out_frames	(Optional) total out frames
total_out_bytes	(Optional) total out bytes
total_out_discards	(Optional) total out discards
total_out_errors	(Optional) total out errors
in_ols	(Optional) input OLS
in_lrr	(Optional) input LRR
in_nos	(Optional) input NOS
in_loop_inits	(Optional) input loop inits
out_ols	(Optional) output OLS
out_lrr	(Optional) ouput LRR
out_nos	(Optional) output NOS
out_loop_inits	(Optional) output loop inits
rx_b2b_perf_buff	(Optional) rx b2b performance buff
rx_b2b_credit	(Optional) rx b2b credit
tx_b2b_credit	(Optional) tx b2b credit
tx_b2b_low_pri_cre	(Optional) tx b2b low pri credit
fcoe_in_pkts	(Optional) fcoe in pkts
fcoe_in_octets	(Optional) fcoe in octets
fcoe_out_pkts	(Optional) fcoe out pkts
fcoe_out_octets	(Optional) fcoe out octets
TABLE_members	(Optional) table for port-channel member interface
port_channel_member	(Optional) port-channel member interface
interface_last_changed	(Optional) interface last changed
time_last_cleared	(Optional) counters last cleared
TABLE_interface_brief_vfc	(Optional) show interface brief table
interface_vfc	(Optional) Interface index

vsan_brief	(Optional) vsan brief
admin_mode	(Optional) admin mode
admin_trunk_mode	(Optional) admin trunk mode
status	(Optional) status
fcot_info	(Optional) fcot info
bind_info	(Optional) bind interface
bind_type	(Optional) bind type
bind_mac	(Optional) bind mac address
port_rate_mode	(Optional) rate mode
oper_speed	(Optional) speed
port_channel	(Optional) port channel number
ip_addr	(Optional) IP address

Command Mode

- /exec

show interface

show interface <ifid_brief2> [brief] [__readonly__ [{ TABLE_interface_fc [<interface_vfc>] [<vsan_brief>] [<oper_port_state>] [<port_state>] [<bound_interface>] [<port_desc>] [<port_des>] [<mgmt_hw_desc1>] [<mgmt_hw_addr1>] [<port_name>] [<hardware>] [<sfp>] [<port_wwn>] [<peer_port_wwn>] [<admin_mode>] [<admin_trunk_mode>] [<snmp_trap>] [<status>] [<state_rsn1>] [<fcot_info>] [<bind_info>] [<bind_mac>] [<bind_type>] [<port_mode>] [<fcid>] [<cfg_port_vsan>] [<vsan>] [<port_rate_mode>] [<oper_speed>] [<admin_speed>] [<port_channel>] [<ip_addr1>] [<oper_txbbcredit>] [<oper_rxbbcredit>] [<port_bb_scn>] [<admin_rxbufsize>] [<admin_port_encap>] [<admin_beacon_mode>] [<admin_fec_state>] [<oper_fec_state>] [<bundle_if_index>] [<trkd_if_index>] [<trk_cfg_vsans>] [<trkd_port_state>] [<num_ports>] [TABLE_trk_intf [<trk_intf>]] [<info_type_num>] [<info_model_num>] [<info_manufacturer>] [<info_port_id>] [<active_vsan>] [<trunk_vsan_up>] [<trunk_vsan_isolated>] [<trunk_vsan_initializing>] [<in_bps>] [<in_byps>] [<in_fps>] [<out_bps>] [<out_byps>] [<out_fps>] [<total_in_frames>] [<total_in_bytes>] [<total_in_discards>] [<total_in_errors>] [<invalid_crc>] [<unknown_class_frames>] [<frames_too_long>] [<frames_too_short>] [<total_out_frames>] [<total_out_bytes>] [<total_out_discards>] [<total_out_errors>] [<in_ols>] [<in_lrr>] [<in_nos>] [<in_loop_inits>] [<out_ols>] [<out_lrr>] [<out_nos>] [<out_loop_inits>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<fcoe_in_pkts>] [<fcoe_in_octets>] [<fcoe_out_pkts>] [<fcoe_out_octets>] [TABLE_members [<port_channel_member>]] [<interface_last_changed>] [<time_last_cleared>] }] [{ TABLE_interface_brief_fc [<interface_fc>] [<vsan_brief>] [<admin_mode>] [<admin_trunk_mode>] [<status>] [<fcot_info>] [<bind_info>] [<bind_type>] [<bind_mac>] [<port_rate_mode>] [<oper_speed>] [<port_channel>] [<ip_addr>] }] [{ TABLE_interface_brief_san_pc [<interface_san>] [<vsan_brief>] [<admin_trunk_mode>] [<status>] [<port_rate_mode>] [<oper_speed>] [<ip_addr>] }]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_brief2	Enter interface type and number in module/slot format
brief	(Optional) Show brief info of interface
__readonly__	(Optional) Read Only
interface_vfc	(Optional) Interface index
TABLE_interface_fc	(Optional) show interface
vsan_brief	(Optional) vsan for brief
oper_port_state	(Optional) oper port state
port_state	(Optional) port state
bound_interface	(Optional) bound interface
port_desc	(Optional) port description
port_des	(Optional) port description

mgmt_hw_desc1	(Optional) HW description
mgmt_hw_addr1	(Optional) HW address
port_name	(Optional) port description
hardware	(Optional) Hardware is
sfp	(Optional) sfp
port_wwn	(Optional) port wwn
peer_port_wwn	(Optional) peer port wwn
admin_mode	(Optional) admin mode
admin_trunk_mode	(Optional) admin trunk mode
snmp_trap	(Optional) snmp trap
status	(Optional) Status
state_rsn1	(Optional) state reason
fcot_info	(Optional) fcot info
bind_info	(Optional) bind interface
bind_mac	(Optional) bind mac
bind_type	(Optional) bind type
port_mode	(Optional) port mode
fcid	(Optional) fcid
cfg_port_vsan	(Optional) config port vsan
vsan	(Optional) vsan for brief
port_rate_mode	(Optional) operation port rate mode
oper_speed	(Optional) speed
admin_speed	(Optional) admin speed
port_channel	(Optional) port channel
ip_addr1	(Optional) Ip address
oper_txbbcredit	(Optional) oper tx bbcredit
oper_rxbbcredit	(Optional) oper rx bbcredit
port_bb_scn	(Optional) port bb scn
admin_rxbufsize	(Optional) admin rx bufsize

admin_port_encap	(Optional) admin port encap
admin_beacon_mode	(Optional) admin beacon mode
admin_fec_state	(Optional) admin fec state
oper_fec_state	(Optional) oper fec state
bundle_if_index	(Optional) bundle if index
trkd_if_index	(Optional) Trunk interfaces
trk_cfg_vsans	(Optional) Trunk vsans
trkd_port_state	(Optional) trunk port state
num_ports	(Optional) number of ports
TABLE_trk_intf	(Optional) trunk interfaces
trk_intf	(Optional) track interface
info_type_num	(Optional) info type num
info_model_num	(Optional) info model num
info_manufacturer	(Optional) info manufacturer
info_port_id	(Optional) info port id
active_vsan	(Optional) allowed and active vsan
trunk_vsan_up	(Optional) trunk vsan up
trunk_vsan_isolated	(Optional) trunk vsan isolated
trunk_vsan_initializing	(Optional) trunk vsan initializing
in_bps	(Optional) input bits/sec
in_byps	(Optional) input bytes/sec
in_fps	(Optional) input frames/sec
out_bps	(Optional) output bits/sec
out_byps	(Optional) output bytes/sec
out_fps	(Optional) output frames/sec
total_in_frames	(Optional) total in frames
total_in_bytes	(Optional) total in bytes
total_in_discards	(Optional) total in discards
total_in_errors	(Optional) total in errors

invalid_crc	(Optional) invalid crc
unknown_class_frames	(Optional) unknown class frames
frames_too_long	(Optional) frames too long
frames_too_short	(Optional) frames too short
total_out_frames	(Optional) total out frames
total_out_bytes	(Optional) total out bytes
total_out_discards	(Optional) total out discards
total_out_errors	(Optional) total out errors
in_ols	(Optional) input OLS
in_lrr	(Optional) input LRR
in_nos	(Optional) input NOS
in_loop_inits	(Optional) input loop inits
out_ols	(Optional) output OLS
out_lrr	(Optional) ouput LRR
out_nos	(Optional) output NOS
out_loop_inits	(Optional) output loop inits
rx_b2b_perf_buff	(Optional) rx b2b performance buff
rx_b2b_credit	(Optional) rx b2b credit
tx_b2b_credit	(Optional) tx b2b credit
tx_b2b_low_pri_cre	(Optional) tx b2b low pri credit
fcoe_in_pkts	(Optional) fcoe in pkts
fcoe_in_octets	(Optional) fcoe in octets
fcoe_out_pkts	(Optional) fcoe out pkts
fcoe_out_octets	(Optional) fcoe out octets
TABLE_members	(Optional) table for port-channel member interface
port_channel_member	(Optional) port-channel member interface
interface_last_changed	(Optional) interface last changed
time_last_cleared	(Optional) counters last cleared
TABLE_interface_brief_fc	(Optional) show interface brief table

interface_fc	(Optional) Interface index
ip_addr	(Optional) IP address
vsan_brief	(Optional) vsan brief
admin_mode	(Optional) admin mode
admin_trunk_mode	(Optional) admin trunk mode
status	(Optional) status
fcot_info	(Optional) fcot info
bind_info	(Optional) bind interface
bind_type	(Optional) bind type
bind_mac	(Optional) bind mac address
port_rate_mode	(Optional) rate mode
oper_speed	(Optional) speed
port_channel	(Optional) port channel number
TABLE_interface_brief_san_pc	(Optional) show interface brief for san-po
interface_san	(Optional) san_po interface
vsan_brief	(Optional) vsan brief
admin_trunk_mode	(Optional) admin trunk mode
status	(Optional) status
port_rate_mode	(Optional) rate mode
oper_speed	(Optional) speed
ip_addr	(Optional) IP address

Command Mode

- /exec

show interface

show interface <ifid> [quick] [__readonly__ TABLE_interface <interface> [<desc>] [[<svi_if_index>] [<svi_admin_state>] [<oper_state>] [<svi_rsn_desc>] [<svi_line_proto>] [<svi_hw>] [<svi_mac>] [<svi_desc>] [<svi_ip_addr>] [<svi_ip_mask>] [<svi_mtu>] [<svi_bw>] [<svi_delay>] [<vlan_id>] [<type>]] [[<svi_tx_load>] [<svi_rx_load>]] [[<svi_carrier_delay_sec>] [<svi_carrier_delay_msec>] [<svi_arp_type>] [<svi_arp_timeout>]] [[<svi_time_last_cleared>]] [{ [TABLE_sec_vlan] [<sec_vlan>] [<sec_vlan_type>] }] [[<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_l3avg2_inbytes>] [<eth_l3avg2_inpkts>] [<eth_l3avg2_outbytes>] [<eth_l3avg2_outpkts>] [<eth_l3avg3_inbytes>] [<eth_l3avg3_inpkts>] [<eth_l3avg3_outbytes>] [<eth_l3avg3_outpkts>] [<eth_inpkts>] [<eth_inbytes>] [<eth_nobuf>] [<eth_inbcast>] [<eth_inmcast>] [<eth_inucast>] [<eth_ingiants>] [<eth_ipmcast>] [<eth_inhw_switched>] [<eth_insw_switched>] [<eth_runts>] [<eth_storm_supp>] [<eth_throtles>] [<eth_inerr>] [<eth_crc>] [<eth_ecc>] [<eth_frame>] [<eth_overrun>] [<eth_ignored>] [<eth_watchdog>] [<eth_outbcast>] [<eth_outmcast>] [<eth_outucast>] [<eth_outgiants>] [<eth_inpause>] [<eth_dribble>] [<eth_in_ifdown_drops>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_outpkts>] [<eth_outbytes>] [<eth_underrun>] [<eth_outhw_switched>] [<eth_outsw_switched>] [<eth_outerr>] [<eth_coll>] [<eth_resets>] [<eth_babbles>] [<eth_latecoll>] [<eth_deferred>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_outpause>] [<eth_buffail>] [<eth_bufswapped>] [<eth_arpdrops>] [<eth_out_ifdown_drops>] [<eth_single_coll>] [<eth_multi_coll>] [<eth_excess_coll>] [<eth_jabbers>] [<eth_shortframe>] [<eth_indiscard>] [<eth_bad_encap>] [<eth_outcrc>] [<eth_symbol>] [<eth_out_drops>] [<eth_sqetest>] [<eth_inb64>] [<eth_inb65_127>] [<eth_inb128_255>] [<eth_inb256_511>] [<eth_inb512_1023>] [<eth_inb1024_1518>] [<eth_inb1519_1548>] [<eth_intrunk>] [<eth_outb64>] [<eth_outb65_127>] [<eth_outb128_255>] [<eth_outb256_511>] [<eth_outb512_1023>] [<eth_outb1024_1518>] [<eth_outb1519_1548>] [<eth_outtrunk>] [<eth_bpdu_outlost>] [<eth_cos0_outlost>] [<eth_cos1_outlost>] [<eth_cos2_outlost>] [<eth_cos3_outlost>] [<eth_cos4_outlost>] [<eth_cos5_outlost>] [<eth_cos6_outlost>] [<eth_cos7_outlost>] [<eth_fcoe_in_pkts>] [<eth_fcoe_in_octets>] [<eth_fcoe_out_pkts>] [<eth_fcoe_out_octets>] [<eth_nfcoe_in_pkts>] [<eth_nfcoe_in_octets>] [<eth_nfcoe_out_pkts>] [<eth_nfcoe_out_octets>] [<eth_eee_atx_lpi_msec>] [<eth_eee_arcv_lpi_msec>] [<eth_eee_atx_lpi_transitions>] [<eth_eee_arcv_lpi_transitions>] [<eth_phy_ber_count>] [<eth_phy_errblks_count>]] [[<svi_routed_pkts_in>] [<svi_routed_bytes_in>] [<svi_routed_pkts_out>] [<svi_routed_bytes_out>] [<svi_ucast_pkts_in>] [<svi_ucast_bytes_in>] [<svi_mcast_pkts_in>] [<svi_mcast_bytes_in>] [<svi_ucast_pkts_out>] [<svi_ucast_bytes_out>] [<svi_mcast_pkts_out>] [<svi_mcast_bytes_out>] [<svi_ipv4_ucast_pkts_in>] [<svi_ipv4_ucast_bytes_in>] [<svi_ipv4_ucast_pkts_out>] [<svi_ipv4_ucast_bytes_out>] [<svi_ipv4_mcast_pkts_in>] [<svi_ipv4_mcast_bytes_in>] [<svi_ipv4_mcast_pkts_out>] [<svi_ipv4_mcast_bytes_out>] [

<svi_ipv6_ucast_pkts_in>] [<svi_ipv6_ucast_bytes_in>] [<svi_ipv6_ucast_pkts_out>] [<svi_ipv6_ucast_bytes_out>] [<svi_ipv6_mcast_pkts_in>] [<svi_ipv6_mcast_bytes_in>] [<svi_ipv6_mcast_pkts_out>] [<svi_ipv6_mcast_bytes_out>] [<svi_average_input_bits>] [<svi_average_input_packets>] [<svi_average_output_bits>] [<svi_average_output_packets>] [<svi_rate_in_mins>]] [[<svi_reliability>]] [<switchport>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
desc	(Optional) Interface description
svi_if_index	(Optional) Interface
svi_admin_state	(Optional)
oper_state	(Optional)
svi_rsn_desc	(Optional) Interface state reason detailed
svi_line_proto	(Optional)
svi_hw	(Optional) Hardware
svi_mac	(Optional) Address
svi_desc	(Optional) Interface Description
svi_ip_addr	(Optional) IP Address
svi_ip_mask	(Optional) IP address mask
svi_mtu	(Optional) MTU size in bytes
svi_bw	(Optional) Bandwidth in kilobits
svi_delay	(Optional) Throughput delay (tens of microseconds)
vlan_id	(Optional) Vlan
type	(Optional) type
svi_tx_load	(Optional) Tx Load
svi_rx_load	(Optional) Rx Load

svi_carrier_delay_sec	(Optional) carrier delay value in seconds
svi_carrier_delay_msec	(Optional) carrier delay value in milli-seconds
svi_arp_type	(Optional) ARP type
svi_arp_timeout	(Optional) ARP timeout value
svi_time_last_cleared	(Optional) Time last cleared
TABLE_sec_vlan	(Optional) secondary vlans
sec_vlan	(Optional) vlan id
sec_vlan_type	(Optional) secondary vlan type
eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec
eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec
eth_load_interval2_tx	(Optional) interval 2 timer value in sec
eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec

eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary
eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary
eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary
eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) IPv4 L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) IPv4 L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) IPv4 L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) IPv4 L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes
eth_l3out_ucastpkts	(Optional) IPv4 L3 out switched ucast pkts
eth_l3out_ucastbytes	(Optional) IPv4 L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) IPv4 L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) IPv4 L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes
eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes

eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_l3avg2_inbytes	(Optional) Load interval 2 L3 average in switched bytes
eth_l3avg2_inpkts	(Optional) Load interval 2 L3 average in switched pkts
eth_l3avg2_outbytes	(Optional) Load interval 2 L3 average out switched bytes
eth_l3avg2_outpkts	(Optional) Load interval 2 L3 average out switched pkts
eth_l3avg3_inbytes	(Optional) Load interval 3 L3 average in switched bytes
eth_l3avg3_inpkts	(Optional) Load interval 3 L3 average in switched pkts
eth_l3avg3_outbytes	(Optional) Load interval 3 L3 average out switched bytes
eth_l3avg3_outpkts	(Optional) Load interval 3 L3 average out switched pkts
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_nobuf	(Optional) No buffer received
eth_inbcast	(Optional) Broadcasts
eth_inmcast	(Optional) Multicasts
eth_inucast	(Optional) Unicasts
eth_ingiants	(Optional) giants
eth_ipmcast	(Optional) IP multicast
eth_inhw_switched	(Optional) Input H/W Switched
eth_insw_switched	(Optional) Input S/W Switched
eth_runts	(Optional) runts
eth_storm_supp	(Optional) storm suppression
eth_throtles	(Optional) throttles
eth_inerr	(Optional) input errors
eth_crc	(Optional) CRC

eth_ecc	(Optional) ECC
eth_frame	(Optional) frame
eth_overrun	(Optional) overrun
eth_ignored	(Optional) ignored
eth_watchdog	(Optional) watchdog
eth_outbcast	(Optional) Broadcasts
eth_outmcast	(Optional) Multicasts
eth_outucast	(Optional) Unicasts
eth_outgiants	(Optional) giants
eth_inpause	(Optional) pause input
eth_dribble	(Optional) input packets with dribble condition
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_outpkts	(Optional) packets output
eth_outbytes	(Optional) bytes output
eth_underrun	(Optional) underruns
eth_outhw_switched	(Optional) Out H/W Switched
eth_outsw_switched	(Optional) Out S/W Switched
eth_outerr	(Optional) output errors
eth_coll	(Optional) collisions
eth_resets	(Optional) interface resets
eth_babbles	(Optional) babbles
eth_latecoll	(Optional) late collision
eth_deferred	(Optional) deferred
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_outpause	(Optional) PAUSE output
eth_buffail	(Optional) output buffer failures

eth_bufswapped	(Optional) output buffers swapped out
eth_arpdrops	(Optional) arp drops
eth_out_ifdown_drops	(Optional) Output if-down drops
eth_single_coll	(Optional) single collisions
eth_multi_coll	(Optional) multi collisions
eth_excess_coll	(Optional) excessive collisions
eth_jabbers	(Optional) jabbers
eth_shortframe	(Optional) short frames
eth_indiscard	(Optional) discards
eth_bad_encap	(Optional) bad encapsulation
eth_outcrc	(Optional) Output CRC
eth_symbol	(Optional) symbol errors
eth_out_drops	(Optional) output drops
eth_sqetest	(Optional) SQE test
eth_inb64	(Optional) input pkts between 0 and 64 bytes
eth_inb65_127	(Optional) input pkts between 65 and 127 bytes
eth_inb128_255	(Optional) input pkts between 128 and 255 bytes
eth_inb256_511	(Optional) input pkts between 256 and 511 bytes
eth_inb512_1023	(Optional) input pkts between 512 and 1023 bytes
eth_inb1024_1518	(Optional) input pkts between 1024 and 1518 bytes
eth_inb1519_1548	(Optional) input pkts between 1519 and 1548 bytes
eth_intrunk	(Optional) input trunk pkts
eth_outb64	(Optional) output pkts between 0 and 64 bytes
eth_outb65_127	(Optional) output pkts between 65 and 127 bytes
eth_outb128_255	(Optional) output pkts between 128 and 255 bytes
eth_outb256_511	(Optional) output pkts between 256 and 511 bytes
eth_outb512_1023	(Optional) output pkts between 512 and 1023 bytes
eth_outb1024_1518	(Optional) output pkts between 1024 and 1518 bytes
eth_outb1519_1548	(Optional) output pkts between 1519 and 1548 bytes

eth_outtrunk	(Optional) output trunk pkts
eth_bpdu_outlost	(Optional) BPDU output lost
eth_cos0_outlost	(Optional) output pkts
eth_cos1_outlost	(Optional) output pkts
eth_cos2_outlost	(Optional) output pkts
eth_cos3_outlost	(Optional) output pkts
eth_cos4_outlost	(Optional) output pkts
eth_cos5_outlost	(Optional) output pkts
eth_cos6_outlost	(Optional) output pkts
eth_cos7_outlost	(Optional) output pkts
eth_fcoe_in_pkts	(Optional) fcoe in pkts
eth_fcoe_in_octets	(Optional) fcoe in octets
eth_fcoe_out_pkts	(Optional) fcoe out pkts
eth_fcoe_out_octets	(Optional) fcoe out octets
eth_nfcoe_in_pkts	(Optional) nfcoe in pkts
eth_nfcoe_in_octets	(Optional) nfcoe in octets
eth_nfcoe_out_pkts	(Optional) nfcoe out pkts
eth_nfcoe_out_octets	(Optional) nfcoe out octets
eth_eee_atx_lpi_msec	(Optional) Tx Lpi usec
eth_eee_arcv_lpi_msec	(Optional) Rx Lpi usec
eth_eee_atx_lpi_transitions	(Optional) Tx Lpi requests
eth_eee_arcv_lpi_transitions	(Optional) Rx Lpi indications
eth_phy_ber_count	(Optional) Bit error rate counter
eth_phy_errblks_count	(Optional) Errored blocks counter
svi_reliability	(Optional) Reliability
switchport	(Optional) Switchport enabled

Command Mode

- /exec

show interface

show interface [controller | quick] [__readonly__ TABLE_interface <interface> [<state>] [<state_rsn_desc>] [<state_rsn>] [<vsan_brief>] [<oper_port_state>] [<port_state>] [<bound_interface>] [<port_desc>] [<port_des>] [<mgmt_hw_desc1>] [<mgmt_hw_addr1>] [<port_name>] [<hardware>] [<sfp>] [<port_wwn>] [<peer_port_wwn>] [<admin_mode>] [<admin_trunk_mode>] [<snmp_trap>] [<status>] [<state_rsn1>] [<fcot_info>] [<bind_info>] [<bind_mac>] [<bind_type>] [<port_mode>] [<fcid>] [<cfg_port_vsan>] [<vsan>] [<port_rate_mode>] [<oper_speed>] [<admin_speed>] [<port_channel>] [<ip_addr1>] [<oper_txbbcredit>] [<oper_rxbbcredit>] [<port_bb_scn>] [<admin_rxbufsize>] [<admin_port_encap>] [<admin_beacon_mode>] [<admin_fec_state>] [<oper_fec_state>] [<bundle_if_index>] [<trkd_if_index>] [<trk_cfg_vsans>] [<trkd_port_state>] [<num_ports>] [TABLE_trk_intf [<trk_intf>]] [<info_type_num>] [<info_model_num>] [<info_manufacturer>] [<info_port_id>] [<active_vsan>] [<trunk_vsan_up>] [<trunk_vsan_isolated>] [<trunk_vsan_initializing>] [<in_bps>] [<in_byps>] [<in_fps>] [<out_bps>] [<out_byps>] [<out_fps>] [<total_in_frames>] [<total_in_bytes>] [<total_in_discards>] [<total_in_errors>] [<invalid_crc>] [<unknown_class_frames>] [<frames_too_long>] [<frames_too_short>] [<total_out_frames>] [<total_out_bytes>] [<total_out_discards>] [<total_out_errors>] [<in_ols>] [<in_lrr>] [<in_nos>] [<in_loop_inits>] [<out_ols>] [<out_lrr>] [<out_nos>] [<out_loop_inits>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<fcoe_in_pkts>] [<fcoe_in_octets>] [<fcoe_out_pkts>] [<fcoe_out_octets>] [TABLE_members [<port_channel_member>]] [<interface_last_changed>] [<time_last_cleared>] [<interface_quick>] [<vsan_brief_quick>] [<oper_port_state_quick>] [<port_state_quick>] [<bound_interface_quick>] [<port_desc_quick>] [<port_des_quick>] [<mgmt_hw_desc1_quick>] [<mgmt_hw_addr1_quick>] [<port_name_quick>] [<hardware_quick>] [<sfp_quick>] [<port_wwn_quick>] [<peer_port_wwn_quick>] [<admin_mode_quick>] [<admin_trunk_mode_quick>] [<snmp_trap_quick>] [<status_quick>] [<state_rsn1_quick>] [<fcot_info_quick>] [<bind_info_quick>] [<bind_mac_quick>] [<bind_type_quick>] [<port_mode_quick>] [<fcid_quick>] [<cfg_port_vsan_quick>] [<vsan_quick>] [<port_rate_mode_quick>] [<oper_speed_quick>] [<admin_speed_quick>] [<port_channel_quick>] [<ip_addr1_quick>] [<oper_txbbcredit_quick>] [<oper_rxbbcredit_quick>] [<port_bb_scn_quick>] [<admin_rxbufsize_quick>] [<admin_port_encap_quick>] [<admin_beacon_mode_quick>] [<admin_fec_state_quick>] [<oper_fec_state_quick>] [<bundle_if_index_quick>] [<trkd_if_index_quick>] [<trk_cfg_vsans_quick>] [<trkd_port_state_quick>] [<num_ports_quick>] [TABLE_trk_intf_quick [<trk_intf_quick>]] [<info_type_num_quick>] [<info_model_num_quick>] [<info_manufacturer_quick>] [<info_port_id_quick>] [<active_vsan_quick>] [<trunk_vsan_up_quick>] [<trunk_vsan_isolated_quick>] [<trunk_vsan_initializing_quick>] [<in_bps_quick>] [<in_byps_quick>] [<in_fps_quick>] [<out_bps_quick>] [<out_byps_quick>] [<out_fps_quick>] [<total_in_frames_quick>] [<total_in_bytes_quick>] [<total_in_discards_quick>] [<total_in_errors_quick>] [<invalid_crc_quick>] [<unknown_class_frames_quick>] [<frames_too_long_quick>] [<frames_too_short_quick>] [<total_out_frames_quick>] [<total_out_bytes_quick>] [<total_out_discards_quick>] [<total_out_errors_quick>] [<in_ols_quick>] [<in_lrr_quick>] [<in_nos_quick>] [<in_loop_inits_quick>] [<out_ols_quick>] [<out_lrr_quick>] [<out_nos_quick>] [<out_loop_inits_quick>] [<rx_b2b_perf_buff_quick>] [<rx_b2b_credit_quick>] [<tx_b2b_credit_quick>] [<tx_b2b_low_pri_cre_quick>] [<fcoe_in_pkts_quick>] [<fcoe_in_octets_quick>] [<fcoe_out_pkts_quick>] [<fcoe_out_octets_quick>] [TABLE_members_quick [<port_channel_member_quick>]] [<interface_last_changed_quick>] [<time_last_cleared_quick>] [<eth_rsn_fac>] [<eth_rsn_code>] [<admin_state>] [<share_state>] [<parent_interface>] [<vpc_status>] [<eth_bundle>] [<eth_hw_desc>] [<eth_hw_addr>] [<eth_bia_addr>] [<desc>] [<eth_ip_addr>] [<eth_ip_mask>] [<eth_ip_prefix>] [<eth_mtu>] + [<eth_bw>] [<eth_dly>] [<eth_reliability>] [<eth_txload>] [<eth_rxload>] [<eth_encap_vlan>] [<encapsulation>] [<medium>] [<eth_mode>] [<eth_duplex>] [<eth_speed>] [<eth_media>] [<eth_beacon>] [<eth_autoneg>] [<eth_in_flowctrl>] [<eth_out_flowctrl>] [<eth_mdix>

] [<eth_ratemode>] [<eth_swt_monitor>] [<eth_ethertype>] [<eth_eee_state>] [<eth_admin_fec_state>] [<eth_oper_fec_state>] [<eth_members>] [<eth_link_flapped>] [<eth_clear_counters>] [<eth_reset_cntr>] [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_inpkts>] [<eth_inbytes>] [<eth_jumbo_inpkts>] [<eth_storm_supp>] [<eth_runts>] [<eth_giants>] [<eth_crc>] [<eth_nobuf>] [<eth_inerr>] [<eth_frame>] [<eth_overrun>] [<eth_underrun>] [<eth_ignored>] [<eth_watchdog>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_in_ifdown_drops>] [<eth_dribble>] [<eth_indiscard>] [<eth_inpause>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_outpkts>] [<eth_outbytes>] [<eth_jumbo_outpkts>] [<eth_outerr>] [<eth_coll>] [<eth_deferred>] [<eth_latecoll>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_babbles>] [<eth_outdiscard>] [<eth_outpause>] [<mgmt_hw_desc>] [<mgmt_hw_addr>] [<mgmt_ip_addr>] [<mgmt_ip_mask>] [<mgmt_mtu>] [<mgmt_speed>] [<mgmt_duplex>] [<vdc_lvl_in_avg_bits>] [<vdc_lvl_in_avg_pkts>] [<vdc_lvl_out_avg_bits>] [<vdc_lvl_out_avg_pkts>] [<vdc_lvl_in_pkts>] [<vdc_lvl_in_ucast>] [<vdc_lvl_in_mcast>] [<vdc_lvl_in_bcast>] [<vdc_lvl_in_bytes>] [<vdc_lvl_in_bps>] [<vdc_lvl_in_pps>] [<vdc_lvl_out_pkts>] [<vdc_lvl_out_ucast>] [<vdc_lvl_out_mcast>] [<vdc_lvl_out_bcast>] [<vdc_lvl_out_bytes>] [<vdc_lvl_out_bps>] [<vdc_lvl_out_pps>] [<mgmt_in_pkts>] [<mgmt_in_bytes>] [<mgmt_in_mcast>] [<mgmt_in_compressed>] [<mgmt_in_errors>] [<mgmt_in_frame>] [<mgmt_in_overrun>] [<mgmt_in_fifo>] [<mgmt_out_pkts>] [<mgmt_out_bytes>] [<mgmt_out_underruns>] [<mgmt_out_errors>] [<mgmt_out_collisions>] [<mgmt_out_fifo>] [<mgmt_out_carrier>] [<mgmt_align_err>] [<mgmt_fcs_err>] [<mgmt_xmit_err>] [<mgmt_rcv_err>] [<mgmt_undersize>] [<mgmt_outdisc>] [<mgmt_single_col>] [<mgmt_multi_col>] [<mgmt_late_col>] [<mgmt_excess_col>] [<mgmt_carri_sen>] [<mgmt_runts>] [<mgmt_giants>] [<mgmt_sqetest_err>] [<mgmt_deferred_tx>] [<mgmt_inmactx_err>] [<mgmt_inmacrx_err>] [<mgmt_symbol_err>] [<loop_in_pkts>] [<loop_in_bytes>] [<loop_in_mcast>] [<loop_in_compressed>] [<loop_in_errors>] [<loop_in_frame>] [<loop_in_overrun>] [<loop_in_fifo>] [<loop_out_pkts>] [<loop_out_bytes>] [<loop_out_underruns>] [<loop_out_errors>] [<loop_out_collisions>] [<loop_out_fifo>] [<loop_out_carriers>] <admin-state> { <tunnel-ipv4> | <tunnel-ipv6> } <mtu> <bandwidth> <encap-type> <keepalive-period> <keepalive-retries> { <src-ipv4> | <src-ipv6> } <src-intf> { <dest-ipv4> | <dest-ipv6> } <dest-hostname> <vrf_name> <tunnel_vrf_name> <wccp_header> <ttl_val> <tunnel_pmtud_age_time> <tunnel_pmtud_min_mtu> <tunnel_pmtud> <tunnel_pgm_mtu> <tunnel_rx_pkt_count> <tunnel_rx_byte_count> <tunnel_rx_rate> <tunnel_tx_pkt_count> <tunnel_tx_byte_count> <tunnel_tx_rate> <tunnel_clear_counter> [<svi_if_index>] [<svi_admin_state>] [<oper_state>] [<svi_rsn_desc>] [<svi_line_proto>] [<svi_hw>] [<svi_mac>] [<svi_desc>] [<svi_ip_addr>] [<svi_ip_mask>] [<svi_mtu>] [<svi_bw>] [<svi_delay>] [<vlan_id>] [<type>] [<svi_tx_load>] [<svi_rx_load>] [<svi_carrier_delay_sec>] [<svi_carrier_delay_msec>] [<svi_arp_type>] [<svi_arp_timeout>] [<svi_time_last_cleared>] { [TABLE_sec_vlan] [<sec_vlan>] [<sec_vlan_type>] } [<svi_routed_pkts_in>] [<svi_routed_bytes_in>] [<svi_routed_pkts_out>] [<svi_routed_bytes_out>] [<svi_ucast_pkts_in>] [<svi_ucast_bytes_in>] [<svi_mcast_pkts_in>] [

<svi_mcast_bytes_in>] [<svi_ucast_pkts_out>] [<svi_ucast_bytes_out>] [<svi_mcast_pkts_out>] [<svi_mcast_bytes_out>] [<svi_ipv4_ucast_pkts_in>] [<svi_ipv4_ucast_bytes_in>] [<svi_ipv4_ucast_pkts_out>] [<svi_ipv4_ucast_bytes_out>] [<svi_ipv4_mcast_pkts_in>] [<svi_ipv4_mcast_bytes_in>] [<svi_ipv4_mcast_pkts_out>] [<svi_ipv4_mcast_bytes_out>] [<svi_ipv6_ucast_pkts_in>] [<svi_ipv6_ucast_bytes_in>] [<svi_ipv6_ucast_pkts_out>] [<svi_ipv6_ucast_bytes_out>] [<svi_ipv6_mcast_pkts_in>] [<svi_ipv6_mcast_bytes_in>] [<svi_ipv6_mcast_pkts_out>] [<svi_ipv6_mcast_bytes_out>] [<svi_average_input_bits>] [<svi_average_input_packets>] [<svi_average_output_bits>] [<svi_average_output_packets>] [<svi_rate_in_mins>] [<svi_reliability>] [<overlay_addr>] [<overlay_addr_mask>] [<overlay_mtu>] [<overlay_bandwidth>] [<overlay_encap_str>] [<overlay_vrf>] [<overlay_src_addr>] [<overlay_dst_addr>] [<overlay_last_link_flap>] [<overlay_clear_counters>] [<overlay_load_interval>] [<overlay_rx_ucastpkts>] [<overlay_rx_ucastbytes>] [<overlay_rx_mcastpkts>] [<overlay_rx_mcastbytes>] [<overlay_rx_pkts>] [<overlay_rx_bytes>] [<overlay_rx_bcastpkts>] [<overlay_rx_bcastbytes>] [<overlay_rx_bitrate>] [<overlay_rx_pktrate>] [<overlay_tx_ucastpkts>] [<overlay_tx_ucastbytes>] [<overlay_tx_mcastpkts>] [<overlay_tx_mcastbytes>] [<overlay_tx_bcastpkts>] [<overlay_tx_bcastbytes>] [<overlay_tx_pkts>] [<overlay_tx_bytes>] [<overlay_tx_bitrate>] [<overlay_tx_pktrate>] <switchport>]

Syntax Description

show	Show running system information
interface	Show interface status and information
controller	(Optional) Show controller configured interfaces
quick	(Optional) Show info of interface skipping stats
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn_desc	(Optional) Interface state reason detailed
state_rsn	(Optional) Interface state reason
vsan_brief	(Optional) vsan for brief
oper_port_state	(Optional) oper port state
port_state	(Optional) port state
bound_interface	(Optional) bound interface
port_desc	(Optional) port description
port_des	(Optional) port description
mgmt_hw_desc1	(Optional) HW description
mgmt_hw_addr1	(Optional) HW address

port_name	(Optional) port description
hardware	(Optional) Hardware is
sfp	(Optional) sfp
port_wwn	(Optional) port wwn
peer_port_wwn	(Optional) peer port wwn
admin_mode	(Optional) admin mode
admin_trunk_mode	(Optional) admin trunk mode
snmp_trap	(Optional) snmp trap
status	(Optional) Status
state_rsn1	(Optional) state reason
fcot_info	(Optional) fcot info
bind_info	(Optional) bind interface
bind_mac	(Optional) bind mac
bind_type	(Optional) bind type
port_mode	(Optional) port mode
fcid	(Optional) fcid
cfg_port_vsan	(Optional) config port vsan
vsan	(Optional) vsan for brief
port_rate_mode	(Optional) operation port rate mode
oper_speed	(Optional) speed
admin_speed	(Optional) admin speed
port_channel	(Optional) port channel
ip_addr1	(Optional) Ip address
oper_txbbcredit	(Optional) oper tx bbcredit
oper_rxbbcredit	(Optional) oper rx bbcredit
port_bb_scn	(Optional) port bb scn
admin_rxbufsize	(Optional) admin rx bufsize
admin_port_encap	(Optional) admin port encap
admin_beacon_mode	(Optional) admin beacon mode

admin_fec_state	(Optional) admin fec state
oper_fec_state	(Optional) oper fec state
bundle_if_index	(Optional) bundle if index
trkd_if_index	(Optional) Trunk interfaces
trk_cfg_vsans	(Optional) Trunk vsans
trkd_port_state	(Optional) trunk port state
num_ports	(Optional) number of ports
TABLE_trk_intf	(Optional) trunk interfaces
trk_intf	(Optional) track interface
info_type_num	(Optional) info type num
info_model_num	(Optional) info model num
info_manufacturer	(Optional) info manufacturer
info_port_id	(Optional) info port id
active_vsan	(Optional) allowed and active vsan
trunk_vsan_up	(Optional) trunk vsan up
trunk_vsan_isolated	(Optional) trunk vsan isolated
trunk_vsan_initializing	(Optional) trunk vsan initializing
in_bps	(Optional) input bits/sec
in_byps	(Optional) input bytes/sec
in_fps	(Optional) input frames/sec
out_bps	(Optional) output bits/sec
out_byps	(Optional) output bytes/sec
out_fps	(Optional) output frames/sec
total_in_frames	(Optional) total in frames
total_in_bytes	(Optional) total in bytes
total_in_discards	(Optional) total in discards
total_in_errors	(Optional) total in errors
invalid_crc	(Optional) invalid crc
unknown_class_frames	(Optional) unknown class frames

frames_too_long	(Optional) frames too long
frames_too_short	(Optional) frames too short
total_out_frames	(Optional) total out frames
total_out_bytes	(Optional) total out bytes
total_out_discards	(Optional) total out discards
total_out_errors	(Optional) total out errors
in_ols	(Optional) input OLS
in_lrr	(Optional) input LRR
in_nos	(Optional) input NOS
in_loop_inits	(Optional) input loop inits
out_ols	(Optional) output OLS
out_lrr	(Optional) ouput LRR
out_nos	(Optional) output NOS
out_loop_inits	(Optional) output loop inits
rx_b2b_perf_buff	(Optional) rx b2b performance buff
rx_b2b_credit	(Optional) rx b2b credit
tx_b2b_credit	(Optional) tx b2b credit
tx_b2b_low_pri_cre	(Optional) tx b2b low pri credit
fcoe_in_pkts	(Optional) fcoe in pkts
fcoe_in_octets	(Optional) fcoe in octets
fcoe_out_pkts	(Optional) fcoe out pkts
fcoe_out_octets	(Optional) fcoe out octets
TABLE_members	(Optional) table for port-channel member interface
port_channel_member	(Optional) port-channel member interface
interface_last_changed	(Optional) interface last changed
time_last_cleared	(Optional) counters last cleared
interface_quick	(Optional) Interface index
vsan_brief_quick	(Optional) vsan for brief
oper_port_state_quick	(Optional) oper port state

port_state_quick	(Optional) port state
bound_interface_quick	(Optional) bound interface
port_desc_quick	(Optional) port description
port_des_quick	(Optional) port description
mgmt_hw_desc1_quick	(Optional) HW description
mgmt_hw_addr1_quick	(Optional) HW address
port_name_quick	(Optional) port description
hardware_quick	(Optional) Hardware is
sfp_quick	(Optional) sfp
port_wwn_quick	(Optional) port wwn
peer_port_wwn_quick	(Optional) peer port wwn
admin_mode_quick	(Optional) admin mode
admin_trunk_mode_quick	(Optional) admin trunk mode
snmp_trap_quick	(Optional) snmp trap
status_quick	(Optional) Status
state_rsn1_quick	(Optional) state reason
fcot_info_quick	(Optional) fcot info
bind_info_quick	(Optional) bind interface
bind_mac_quick	(Optional) bind mac
bind_type_quick	(Optional) bind type
port_mode_quick	(Optional) port mode
fcid_quick	(Optional) fcid
cfg_port_vsan_quick	(Optional) config port vsan
vsan_quick	(Optional) vsan for brief
port_rate_mode_quick	(Optional) operation port rate mode
oper_speed_quick	(Optional) speed
admin_speed_quick	(Optional) admin speed
port_channel_quick	(Optional) port channel
ip_addr1_quick	(Optional) Ip address

oper_txbbcredit_quick	(Optional) oper tx bbcredit
oper_rxbbcredit_quick	(Optional) oper rx bbcredit
port_bb_scn_quick	(Optional) port bb scn
admin_rxbufsize_quick	(Optional) admin rx bufsize
admin_port_encap_quick	(Optional) admin port encap
admin_beacon_mode_quick	(Optional) admin beacon mode
admin_fec_state_quick	(Optional) admin fec state
oper_fec_state_quick	(Optional) oper fec state
bundle_if_index_quick	(Optional) bundle if index
trkd_if_index_quick	(Optional) Trunk interfaces
trk_cfg_vsans_quick	(Optional) Trunk vsans
trkd_port_state_quick	(Optional) trunk port state
num_ports_quick	(Optional) number of ports
TABLE_trk_intf_quick	(Optional) trunk interfaces
trk_intf_quick	(Optional) track interface
info_type_num_quick	(Optional) info type num
info_model_num_quick	(Optional) info model num
info_manufacturer_quick	(Optional) info manufacturer
info_port_id_quick	(Optional) info port id
active_vsan_quick	(Optional) allowed and active vsan
trunk_vsan_up_quick	(Optional) trunk vsan up
trunk_vsan_isolated_quick	(Optional) trunk vsan isolated
trunk_vsan_initializing_quick	(Optional) trunk vsan initializing
in_bps_quick	(Optional) input bits/sec
in_byps_quick	(Optional) input bytes/sec
in_fps_quick	(Optional) input frames/sec
out_bps_quick	(Optional) output bits/sec
out_byps_quick	(Optional) output bytes/sec
out_fps_quick	(Optional) output frames/sec

total_in_frames_quick	(Optional) total in frames
total_in_bytes_quick	(Optional) total in bytes
total_in_discards_quick	(Optional) total in discards
total_in_errors_quick	(Optional) total in errors
invalid_crc_quick	(Optional) invalid crc
unknown_class_frames_quick	(Optional) unknown class frames
frames_too_long_quick	(Optional) frames too long
frames_too_short_quick	(Optional) frames too short
total_out_frames_quick	(Optional) total out frames
total_out_bytes_quick	(Optional) total out bytes
total_out_discards_quick	(Optional) total out discards
total_out_errors_quick	(Optional) total out errors
in_ols_quick	(Optional) input OLS
in_lrr_quick	(Optional) input LRR
in_nos_quick	(Optional) input NOS
in_loop_inits_quick	(Optional) input loop inits
out_ols_quick	(Optional) output OLS
out_lrr_quick	(Optional) ouput LRR
out_nos_quick	(Optional) output NOS
out_loop_inits_quick	(Optional) output loop inits
rx_b2b_perf_buff_quick	(Optional) rx b2b performance buff
rx_b2b_credit_quick	(Optional) rx b2b credit
tx_b2b_credit_quick	(Optional) tx b2b credit
tx_b2b_low_pri_cre_quick	(Optional) tx b2b low pri credit
fcoe_in_pkts_quick	(Optional) fcoe in pkts
fcoe_in_octets_quick	(Optional) fcoe in octets
fcoe_out_pkts_quick	(Optional) fcoe out pkts
fcoe_out_octets_quick	(Optional) fcoe out octets
TABLE_members_quick	(Optional) table for port-channel member interface

port_channel_member_quick	(Optional) port-channel member interface
interface_last_changed_quick	(Optional) interface last changed
time_last_cleared_quick	(Optional) counters last cleared
eth_rsn_fac	(Optional) State reason facility
eth_rsn_code	(Optional) State reason code
admin_state	(Optional) admin state
share_state	(Optional) Interface ownership
parent_interface	(Optional) parent interface
vpc_status	(Optional) VPC status
eth_bundle	(Optional) Belongs to bundle
eth_hw_desc	(Optional) HW description
eth_hw_addr	(Optional) HW address
eth_bia_addr	(Optional) bia address
desc	(Optional) Interface description
eth_ip_addr	(Optional) IP Address
eth_ip_mask	(Optional) IP address mask
eth_ip_prefix	(Optional) IP address prefix
eth_mtu	(Optional) MTU
eth_bw	(Optional) Bandwidth
eth_dly	(Optional) Delay
eth_reliability	(Optional) Reliability
eth_txload	(Optional) Tx load
eth_rxload	(Optional) Rx load
eth_encap_vlan	(Optional) Encapsulation Vlan
encapsulation	(Optional) Encapsulation
medium	(Optional) medium type
eth_mode	(Optional) Port mode
eth_duplex	(Optional) Duplex
eth_speed	(Optional) Speed

eth_media	(Optional) Media type
eth_beacon	(Optional) Beacon
eth_autoneg	(Optional) Autonegotiation
eth_in_flowctrl	(Optional) Input flowcontrol
eth_out_flowctrl	(Optional) Output flowcontrol
eth_mdix	(Optional) Mdix
eth_ratemode	(Optional) Rate mode
eth_swt_monitor	(Optional) Switchport Monitor
eth_ethertype	(Optional) EtherType
eth_eee_state	(Optional) EEE state
eth_admin_fec_state	(Optional) Admin FEC state
eth_oper_fec_state	(Optional) Oper FEC state
eth_members	(Optional) Members in this channel
eth_link_flapped	(Optional) Last link flapped
eth_clear_counters	(Optional) Last clearing of show interface counters
eth_reset_cntr	(Optional) Interface resets
eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec
eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec

eth_load_interval2_tx	(Optional) interval 2 timer value in sec
eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec
eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary
eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary
eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary
eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes

eth_l3out_ucastpkts	(Optional) L3 out switched ucast pkts
eth_l3out_ucastbytes	(Optional) L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes
eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes
eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts
eth_inbcast	(Optional) Broadcasts
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_jumbo_inpkts	(Optional) Incoming jumbo pkts
eth_storm_supp	(Optional) storm suppression
eth_runts	(Optional) runts
eth_giants	(Optional) giants
eth_crc	(Optional) CRC
eth_nobuf	(Optional) No buffer received
eth_inerr	(Optional) input errors
eth_frame	(Optional) frame
eth_overrun	(Optional) overrun
eth_underrun	(Optional) underruns

eth_ignored	(Optional) ignored
eth_watchdog	(Optional) watchdog
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_dribble	(Optional) input packets with dribble condition
eth_indiscard	(Optional) discards
eth_inpause	(Optional) pause input
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts
eth_outpkts	(Optional) packets output
eth_outbytes	(Optional) bytes output
eth_jumbo_outpkts	(Optional) Outgoing jumbo pkts
eth_outerr	(Optional) output errors
eth_coll	(Optional) collisions
eth_deferred	(Optional) deferred
eth_latecoll	(Optional) late collision
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_babbles	(Optional) babbles
eth_outdiscard	(Optional) output discard
eth_outpause	(Optional) PAUSE output
mgmt_hw_desc	(Optional) HW description
mgmt_hw_addr	(Optional) HW address
mgmt_ip_addr	(Optional) IP address
mgmt_ip_mask	(Optional) IP address mask
mgmt_mtu	(Optional) MTU
mgmt_speed	(Optional) Speed

mgmt_duplex	(Optional) Duplex
vdc_lvl_in_avg_bits	(Optional) VDC level average input bits
vdc_lvl_in_avg_pkts	(Optional) VDC level average input packets
vdc_lvl_out_avg_bits	(Optional) VDC level average output bits
vdc_lvl_out_avg_pkts	(Optional) VDC level average output packets
vdc_lvl_in_pkts	(Optional) VDC level input packets
vdc_lvl_in_ucast	(Optional) VDC level input unicast packets
vdc_lvl_in_mcast	(Optional) VDC level input multicast packets
vdc_lvl_in_bcast	(Optional) VDC level input broadcast packets
vdc_lvl_in_bytes	(Optional) VDC level input bytes
vdc_lvl_in_bps	(Optional) VDC level input bytes per second
vdc_lvl_in_pps	(Optional) VDC level input packets per second
vdc_lvl_out_pkts	(Optional) VDC level output packets
vdc_lvl_out_ucast	(Optional) VDC level output unicast packets
vdc_lvl_out_mcast	(Optional) VDC level output multicast packets
vdc_lvl_out_bcast	(Optional) VDC level output broadcast packets
vdc_lvl_out_bytes	(Optional) VDC level output bytes
vdc_lvl_out_bps	(Optional) VDC level output bytes per second
vdc_lvl_out_pps	(Optional) VDC level output packets per second
mgmt_in_pkts	(Optional) Input packets
mgmt_in_bytes	(Optional) Input bytes
mgmt_in_mcast	(Optional) Input multicast frames
mgmt_in_compressed	(Optional) Input compressed
mgmt_in_errors	(Optional) Input errors
mgmt_in_frame	(Optional) Input frame errors
mgmt_in_overrun	(Optional) Input overrun
mgmt_in_fifo	(Optional) Input fifo
mgmt_out_pkts	(Optional) Output packets
mgmt_out_bytes	(Optional) Output bytes

mgmt_out_underruns	(Optional) Output overruns
mgmt_out_errors	(Optional) Output errors
mgmt_out_collisions	(Optional) Output collisions
mgmt_out_fifo	(Optional) Output fifo
mgmt_out_carrier	(Optional) Output carrier errors
mgmt_align_err	(Optional) Align error
mgmt_fcs_err	(Optional) FCS error
mgmt_xmit_err	(Optional) Transmit error
mgmt_rcv_err	(Optional) Receive error
mgmt_undersize	(Optional) Undersize
mgmt_outdisc	(Optional) Out discard
mgmt_single_col	(Optional) Single collision
mgmt_multi_col	(Optional) Multiple collision
mgmt_late_col	(Optional) Late collision
mgmt_excess_col	(Optional) Excess collision
mgmt_carri_sen	(Optional) Carrier sense
mgmt_runts	(Optional) Runts
mgmt_giants	(Optional) Giants
mgmt_sqetest_err	(Optional) SQETest error
mgmt_deferred_tx	(Optional) Deferred tx
mgmt_inmactx_err	(Optional) In MAC tx
mgmt_inmacrx_err	(Optional) In MAC rx
mgmt_symbol_err	(Optional) Symbol error
loop_in_pkts	(Optional) Input packets
loop_in_bytes	(Optional) Input bytes
loop_in_mcast	(Optional) Input multicast
loop_in_compressed	(Optional) Input compressed
loop_in_errors	(Optional) Input errors
loop_in_frame	(Optional) Input frame errors

loop_in_overrun	(Optional) Input overrun
loop_in_fifo	(Optional) Input fifo
loop_out_pkts	(Optional) Output packets
loop_out_bytes	(Optional) Output bytes
loop_out_underruns	(Optional) Output underruns
loop_out_errors	(Optional) Output errors
loop_out_collisions	(Optional) Output collisions
loop_out_fifo	(Optional) Output fifo
loop_out_carriers	(Optional) Output carrier errors
admin-state	(Optional)
tunnel-ipv4	(Optional) interface IPv4 address
mtu	(Optional) interface Maximum Transmission Unit
bandwidth	(Optional) interface Bandwidth in kilobits
encap-type	(Optional)
keepalive-period	(Optional) keealive period
keepalive-retries	(Optional) number of retries
src-ipv4	(Optional) tunnel source IPv4 address
src-intf	(Optional) tunnel source interface
dest-ipv4	(Optional) tunnel destination IPv4 address
dest-hostname	(Optional) tunnel destination hostname
vrf_name	(Optional) transport VRF name
tunnel_vrf_name	(Optional) tunnel VRF name
wccp_header	(Optional) wccp header
ttl_val	(Optional) tunnel time to live value
tunnel_pmtud_age_time	(Optional) tunnel path MTU discovery age time
tunnel_pmtud_min_mtu	(Optional) tunnel path MTU discovery min mtu
tunnel_pmtud	(Optional) tunnel path MTU discovered
tunnel_pgm_mtu	(Optional) tunnel actual programmed MTU
tunnel_rx_pkt_count	(Optional) total number of packets received

tunnel_rx_byte_count	(Optional) total number of bytes received
tunnel_rx_rate	(Optional) packets input rate per 5 minutes
tunnel_tx_pkt_count	(Optional) total number of packets transmitted
tunnel_tx_byte_count	(Optional) total number of bytes transmitted
tunnel_tx_rate	(Optional) packets transmitted per 5 minutes
tunnel_clear_counter	(Optional) Last clearing of show interface counters
svi_if_index	(Optional) Interface
svi_admin_state	(Optional)
oper_state	(Optional)
svi_rsn_desc	(Optional) Interface state reason detailed
svi_line_proto	(Optional)
svi_hw	(Optional) Hardware
svi_mac	(Optional) Address
svi_desc	(Optional) Interface Description
svi_ip_addr	(Optional) IP Address
svi_ip_mask	(Optional) IP address mask
svi_mtu	(Optional) MTU size in bytes
svi_bw	(Optional) Bandwidth in kilobits
svi_delay	(Optional) Throughput delay (tens of microseconds)
vlan_id	(Optional) Vlan
type	(Optional) type
svi_tx_load	(Optional) Tx Load
svi_rx_load	(Optional) Rx Load
svi_carrier_delay_sec	(Optional) carrier delay value in seconds
svi_carrier_delay_msec	(Optional) carrier delay value in milli-seconds
svi_arp_type	(Optional) ARP type
svi_arp_timeout	(Optional) ARP timeout value
svi_time_last_cleared	(Optional) Time last cleared
TABLE_sec_vlan	(Optional) secondary vlans

sec_vlan	(Optional) vlan id
sec_vlan_type	(Optional) secondary vlan type
svi_reliability	(Optional) Reliability
overlay_addr	(Optional) Overlay address
overlay_addr_mask	(Optional) Overlay address mask
overlay_mtu	(Optional) MTU
overlay_bandwidth	(Optional) Bandwidth
overlay_encap_str	(Optional) Encap type
overlay_vrf	(Optional) VRF
overlay_src_addr	(Optional) Source address
overlay_dst_addr	(Optional) Destination address
overlay_last_link_flap	(Optional) Last link flap
overlay_clear_counters	(Optional) Last clearing of show interface counters
overlay_load_interval	(Optional) Load interval
overlay_rx_ucastpkts	(Optional) Received ucast pkts
overlay_rx_ucastbytes	(Optional) Received ucast bytes
overlay_rx_mcastpkts	(Optional) Received mcast pkts
overlay_rx_mcastbytes	(Optional) Received mcast bytes
overlay_rx_bcastpkts	(Optional) Received bcast pkts
overlay_rx_bcastbytes	(Optional) Received bcast bytes
overlay_rx_pkts	(Optional) Total received pkts
overlay_rx_bytes	(Optional) Total received bytes
overlay_rx_bitrate	(Optional) Receive bit rate
overlay_rx_pktrate	(Optional) Receive pkt rate
overlay_tx_ucastpkts	(Optional) Trasnmitted ucast pkts
overlay_tx_ucastbytes	(Optional) Trasnmitted ucast bytes
overlay_tx_mcastpkts	(Optional) Trasnmitted mcast pkts
overlay_tx_mcastbytes	(Optional) Trasnmitted mcast bytes
overlay_tx_bcastpkts	(Optional) Trasnmitted bcast pkts

overlay_tx_bcastbytes	(Optional) Trasnmitted bcast bytes
overlay_tx_pkts	(Optional) Total transmitted pkts
overlay_tx_bytes	(Optional) Total transmitted bytes
overlay_tx_bitrate	(Optional) Transmit bit rate
overlay_tx_pktrate	(Optional) Transmit pkt rate
switchport	(Optional) Switchport enabled

Command Mode

- /exec

show interface

show interface <ifloop> [__readonly__ TABLE_interface <interface> [<state>] [<admin_state>] [<share_state>] [<state_rsn>] [<state_rsn_desc>] [<desc>] [<eth_bundle>] [<mgmt_sfp>] [<mgmt_type>] [<eth_eee_state>] [<eth_dce_mode>] [<vpc_status>] [<eth_rsn_fac>] [<eth_rsn_code>] [<eth_hw_desc>] [<eth_hw_addr>] [<eth_bia_addr>] [<eth_ip_addr>] [<eth_ip_mask>] [<eth_ip_prefix>] [<eth_mtu>] [<eth_bw>] [<eth_encap_vlan>] [<encapsulation>] [<eth_dly>] [<eth_reliability>] [<eth_txload>] [<eth_rxload>] [<eth_loopback>] [<eth_keepalive>] [<eth_duplex>] [<eth_speed>] [<eth_mode>] [<eth_ratemode>] [<eth_autoneg>] [<eth_beacon>] [<eth_media>] [<eth_in_flowctrl>] [<eth_out_flowctrl>] [<eth_mdix>] [<eth_swt_monitor>] [<eth_ethertype>] [<eth_members>] [<eth_clk_mode>] [<eth_arp_type>] [<eth_arp_timeout>] [<eth_last_in>] [<eth_last_out>] [<eth_out_hang>] [<eth_clear_counters>] [<eth_link_flapped>] [<eth_inq_size>] [<eth_inq_max>] [<eth_inq_drops>] [<eth_inq_flush>] [<eth_out_drop>] [<eth_q_strategy>] [<eth_outq_size>] [<eth_outq_max>] [<eth_reset_cntr>] [<loop_in_pkts>] [<loop_in_bytes>] [<loop_in_mcast>] [<loop_in_compressed>] [<loop_in_errors>] [<loop_in_frame>] [<loop_in_overrun>] [<loop_in_fifo>] [<loop_out_pkts>] [<loop_out_bytes>] [<loop_out_underruns>] [<loop_out_errors>] [<loop_out_collisions>] [<loop_out_fifo>] [<loop_out_carriers>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifloop	Enter interface type and number in module/slot format
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
admin_state	(Optional) Interface admin state
share_state	(Optional) Interface ownership
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed
desc	(Optional) Interface description
mgmt_sfp	(Optional) mgmt sfp
mgmt_type	(Optional) mgmt type
eth_bundle	(Optional) Belongs to bundle
eth_eee_state	(Optional) EEE state
eth_dce_mode	(Optional) DCE mode description

vpc_status	(Optional) VPC status
eth_rsn_fac	(Optional) State reason facility
eth_rsn_code	(Optional) State reason code
eth_hw_desc	(Optional) HW description
eth_hw_addr	(Optional) HW address
eth_bia_addr	(Optional) bia address
eth_ip_addr	(Optional) IP Address
eth_ip_mask	(Optional) IP address mask
eth_ip_prefix	(Optional) IP Prefix
eth_mtu	(Optional) MTU
eth_bw	(Optional) Bandwidth
eth_encap_vlan	(Optional) Encapsulation Vlan
encapsulation	(Optional) Encapsulation
eth_dly	(Optional) Delay
eth_reliability	(Optional) Reliability
eth_txload	(Optional) Tx load
eth_rxload	(Optional) Rx load
eth_loopback	(Optional) Loopback
eth_keepalive	(Optional) Keepalive
eth_duplex	(Optional) Duplex
eth_speed	(Optional) Speed
eth_mode	(Optional) Port mode
eth_ratemode	(Optional) Rate mode
eth_autoneg	(Optional) Autonegotiation
eth_beacon	(Optional) Beacon
eth_media	(Optional) Media type
eth_in_flowctrl	(Optional) Input flowcontrol
eth_out_flowctrl	(Optional) Output flowcontrol
eth_mdix	(Optional) Mdix

eth_swt_monitor	(Optional) Switchport Monitor
eth_ethertype	(Optional) EtherType
eth_members	(Optional) Members in this channel
eth_clk_mode	(Optional) Clock mode
eth_arp_type	(Optional) ARP type
eth_arp_timeout	(Optional) ARP timeout
eth_last_in	(Optional) Last input
eth_last_out	(Optional) Last output
eth_out_hang	(Optional) Last output hang
eth_clear_counters	(Optional) Last clearing of show interface counters
eth_link_flapped	(Optional) Last link flapped
eth_inq_size	(Optional) Input queue size
eth_inq_max	(Optional) Input queue max
eth_inq_drops	(Optional) Input queue drops
eth_inq_flush	(Optional) Input queue flushes
eth_out_drop	(Optional) Output drops
eth_q_strategy	(Optional) Queueing strategy
eth_outq_size	(Optional) Output queue size
eth_outq_max	(Optional) Output queue max
eth_reset_cntr	(Optional) Interface resets
loop_in_pkts	(Optional) Input packets
loop_in_bytes	(Optional) Input bytes
loop_in_mcast	(Optional) Input multicast
loop_in_compressed	(Optional) Input compressed
loop_in_errors	(Optional) Input errors
loop_in_frame	(Optional) Input frame errors
loop_in_overrun	(Optional) Input overrun
loop_in_fifo	(Optional) Input fifo
loop_out_pkts	(Optional) Output packets

loop_out_bytes	(Optional) Output bytes
loop_out_underruns	(Optional) Output underruns
loop_out_errors	(Optional) Output errors
loop_out_collisions	(Optional) Output collisions
loop_out_fifo	(Optional) Output fifo
loop_out_carriers	(Optional) Output carrier errors

Command Mode

- /exec

show interface

show interface <iftun_desc> [__readonly__ TABLE_interface <interface> <state> [<state_rsn_desc>] [<desc>] <admin-state> { <tunnel-ipv4> | <tunnel-ipv6> } <mtu> <bandwidth> <encap-type> <keepalive-period> <keepalive-retries> { <src-ipv4> | <src-ipv6> } <src-intf> { <dest-ipv4> | <dest-ipv6> } <dest-hostname> <vrf_name> <tunnel_vrf_name> <wccp_header> <ttl_val> <tunnel_pmtud_age_time> <tunnel_pmtud_min_mtu> <tunnel_pmtud> <tunnel_pgm_mtu> <tunnel_rx_pkt_count> <tunnel_rx_byte_count> <tunnel_rx_rate> <tunnel_tx_pkt_count> <tunnel_tx_byte_count> <tunnel_tx_rate> <tunnel_clear_counter>]

Syntax Description

show	Show running system information
interface	Show interface status and information
iftun_desc	Enter tunnel interface number
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn_desc	(Optional) Interface state reason detailed
desc	(Optional) Interface description
admin-state	(Optional)
tunnel-ipv4	(Optional) interface IPv4 address
mtu	(Optional) interface Maximum Transmission Unit
bandwidth	(Optional) interface Bandwidth in kilobits
encap-type	(Optional)
keepalive-period	(Optional) keealive period
keepalive-retries	(Optional) number of retries
src-ipv4	(Optional) tunnel source IPv4 address
src-intf	(Optional) tunnel source interface
dest-ipv4	(Optional) tunnel destination IPv4 address
dest-hostname	(Optional) tunnel destination hostname
vrf_name	(Optional) transport VRF name
tunnel_vrf_name	(Optional) tunnel VRF name

wccp_header	(Optional) wccp header
ttl_val	(Optional) tunnel time to live value
tunnel_pmtud_age_time	(Optional) tunnel path MTU discovery age time
tunnel_pmtud_min_mtu	(Optional) tunnel path MTU discovery min mtu
tunnel_pmtud	(Optional) tunnel path MTU discovered
tunnel_pgm_mtu	(Optional) tunnel actual programmed MTU
tunnel_rx_pkt_count	(Optional) total number of packets received
tunnel_rx_byte_count	(Optional) total number of bytes received
tunnel_rx_rate	(Optional) packets input rate per 5 minutes
tunnel_tx_pkt_count	(Optional) total number of packets transmitted
tunnel_tx_byte_count	(Optional) total number of bytes transmitted
tunnel_tx_rate	(Optional) packets transmitted per 5 minutes
tunnel_clear_counter	(Optional) Last clearing of show interface counters

Command Mode

- /exec

show interface

show interface <ifeth> [quick] [__readonly__ TABLE_interface <interface> <state> [<state_rsn_desc>] [<state_rsn>] [<eth_rsn_fac>] [<eth_rsn_code>] [<admin_state>] [<share_state>] [<parent_interface>] [<vpc_status>] [<eth_bundle>] [<eth_hw_desc>] [<eth_hw_addr>] [<eth_bia_addr>] [<desc>] [<eth_ip_addr>] [<eth_ip_mask>] [<eth_ip_prefix>] [<eth_mtu>] + [<eth_bw>] [<eth_dly>] [<eth_reliability>] [<eth_txload>] [<eth_rxload>] [<eth_encap_vlan>] [<encapsulation>] [<medium>] [<eth_mode>] [<eth_duplex>] [<eth_speed>] [<eth_media>] [<eth_beacon>] [<eth_autoneg>] [<eth_in_flowctrl>] [<eth_out_flowctrl>] [<eth_mdix>] [<eth_ratemode>] [<eth_swt_monitor>] [<eth_ethertype>] [<eth_eee_state>] [<eth_admin_fec_state>] [<eth_oper_fec_state>] [<eth_members>] [<eth_link_flapped>] [<eth_clear_counters>] [<eth_reset_cntr>] [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_inpkts>] [<eth_inbytes>] [<eth_jumbo_inpkts>] [<eth_storm_supp>] [<eth_runts>] [<eth_giants>] [<eth_crc>] [<eth_nobuf>] [<eth_inerr>] [<eth_frame>] [<eth_overrun>] [<eth_underrun>] [<eth_ignored>] [<eth_watchdog>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_in_ifdown_drops>] [<eth_dribble>] [<eth_indiscard>] [<eth_inpause>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_outpkts>] [<eth_outbytes>] [<eth_jumbo_outpkts>] [<eth_outerr>] [<eth_coll>] [<eth_deferred>] [<eth_latecoll>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_babbles>] [<eth_outdiscard>] [<eth_outpause>] [<switchport>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth	Enter interface type and number in module/slot format
quick	(Optional) Show info of interface skipping stats
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state

state_rsn_desc	(Optional) Interface state reason detailed
state_rsn	(Optional) Interface state reason
eth_rsn_fac	(Optional) State reason facility
eth_rsn_code	(Optional) State reason code
admin_state	(Optional) admin state
share_state	(Optional) Interface ownership
parent_interface	(Optional) parent interface
vpc_status	(Optional) VPC status
eth_bundle	(Optional) Belongs to bundle
eth_hw_desc	(Optional) HW description
eth_hw_addr	(Optional) HW address
eth_bia_addr	(Optional) bia address
desc	(Optional) Interface description
eth_ip_addr	(Optional) IP Address
eth_ip_mask	(Optional) IP address mask
eth_ip_prefix	(Optional) IP address prefix
eth_mtu	(Optional) MTU
eth_bw	(Optional) Bandwidth
eth_dly	(Optional) Delay
eth_reliability	(Optional) Reliability
eth_txload	(Optional) Tx load
eth_rxload	(Optional) Rx load
eth_encap_vlan	(Optional) Encapsulation Vlan
encapsulation	(Optional) Encapsulation
medium	(Optional) medium type
eth_mode	(Optional) Port mode
eth_duplex	(Optional) Duplex
eth_speed	(Optional) Speed
eth_media	(Optional) Media type

eth_beacon	(Optional) Beacon
eth_autoneg	(Optional) Autonegotiation
eth_in_flowctrl	(Optional) Input flowcontrol
eth_out_flowctrl	(Optional) Output flowcontrol
eth_mdix	(Optional) Mdix
eth_ratemode	(Optional) Rate mode
eth_swt_monitor	(Optional) Switchport Monitor
eth_ethertype	(Optional) EtherType
eth_eee_state	(Optional) EEE state
eth_admin_fec_state	(Optional) Admin FEC state
eth_oper_fec_state	(Optional) Oper FEC state
eth_members	(Optional) Members in this channel
eth_link_flapped	(Optional) Last link flapped
eth_clear_counters	(Optional) Last clearing of show interface counters
eth_reset_cntr	(Optional) Interface resets
eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec
eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec
eth_load_interval2_tx	(Optional) interval 2 timer value in sec

eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec
eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary
eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary
eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary
eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes
eth_l3out_ucastpkts	(Optional) L3 out switched ucast pkts

eth_l3out_ucastbytes	(Optional) L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes
eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes
eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts
eth_inbcast	(Optional) Broadcasts
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_jumbo_inpkts	(Optional) Incoming jumbo pkts
eth_storm_supp	(Optional) storm suppression
eth_runts	(Optional) runts
eth_giants	(Optional) giants
eth_crc	(Optional) CRC
eth_nobuf	(Optional) No buffer received
eth_inerr	(Optional) input errors
eth_frame	(Optional) frame
eth_overrun	(Optional) overrun
eth_underrun	(Optional) underruns
eth_ignored	(Optional) ignored

eth_watchdog	(Optional) watchdog
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_dribble	(Optional) input packets with dribble condition
eth_indiscard	(Optional) discards
eth_inpause	(Optional) pause input
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts
eth_outpkts	(Optional) packets output
eth_outbytes	(Optional) bytes output
eth_jumbo_outpkts	(Optional) Outgoing jumbo pkts
eth_outerr	(Optional) output errors
eth_coll	(Optional) collisions
eth_deferred	(Optional) deferred
eth_latecoll	(Optional) late collision
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_babbles	(Optional) babbles
eth_outdiscard	(Optional) output discard
eth_outpause	(Optional) PAUSE output
switchport	(Optional) Switchport enabled

Command Mode

- /exec

show interface

show interface <ifrange> [__readonly__ TABLE_interface <interface> <state> <state_rsn> <state_rsn_desc> <desc> [<overlay_addr>] [<overlay_addr_mask>] [<overlay_mtu>] [<overlay_bandwidth>] [<overlay_encap_str>] [<overlay_vrf>] [<overlay_src_addr>] [<overlay_dst_addr>] [<overlay_last_link_flap>] [<overlay_clear_counters>] [<overlay_load_interval>] [<overlay_rx_ucastpkts>] [<overlay_rx_ucastbytes>] [<overlay_rx_mcastpkts>] [<overlay_rx_mcastbytes>] [<overlay_rx_pkts>] [<overlay_rx_bytes>] [<overlay_rx_bcastpkts>] [<overlay_rx_bcastbytes>] [<overlay_rx_bitrate>] [<overlay_rx_pktrate>] [<overlay_tx_ucastpkts>] [<overlay_tx_ucastbytes>] [<overlay_tx_mcastpkts>] [<overlay_tx_mcastbytes>] [<overlay_tx_bcastpkts>] [<overlay_tx_bcastbytes>] [<overlay_tx_pkts>] [<overlay_tx_bytes>] [<overlay_tx_bitrate>] [<overlay_tx_pktrate>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter interface type and number
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed
desc	(Optional) Interface description
overlay_addr	(Optional) Overlay address
overlay_addr_mask	(Optional) Overlay address mask
overlay_mtu	(Optional) MTU
overlay_bandwidth	(Optional) Bandwidth
overlay_encap_str	(Optional) Encap type
overlay_vrf	(Optional) VRF
overlay_src_addr	(Optional) Source address
overlay_dst_addr	(Optional) Destination address
overlay_last_link_flap	(Optional) Last link flap
overlay_clear_counters	(Optional) Last clearing of show interface counters

overlay_load_interval	(Optional) Load interval
overlay_rx_ucastpkts	(Optional) Received ucast pkts
overlay_rx_ucastbytes	(Optional) Received ucast bytes
overlay_rx_mcastpkts	(Optional) Received mcast pkts
overlay_rx_mcastbytes	(Optional) Received mcast bytes
overlay_rx_bcastpkts	(Optional) Received bcast pkts
overlay_rx_bcastbytes	(Optional) Received bcast bytes
overlay_rx_pkts	(Optional) Total received pkts
overlay_rx_bytes	(Optional) Total received bytes
overlay_rx_bitrate	(Optional) Receive bit rate
overlay_rx_pktrate	(Optional) Receive pkt rate
overlay_tx_ucastpkts	(Optional) Trasnmitted ucast pkts
overlay_tx_ucastbytes	(Optional) Trasnmitted ucast bytes
overlay_tx_mcastpkts	(Optional) Trasnmitted mcast pkts
overlay_tx_mcastbytes	(Optional) Trasnmitted mcast bytes
overlay_tx_bcastpkts	(Optional) Trasnmitted bcast pkts
overlay_tx_bcastbytes	(Optional) Trasnmitted bcast bytes
overlay_tx_pkts	(Optional) Total transmitted pkts
overlay_tx_bytes	(Optional) Total transmitted bytes
overlay_tx_bitrate	(Optional) Transmit bit rate
overlay_tx_pktrate	(Optional) Transmit pkt rate

Command Mode

- /exec

show interface

show interface <ifrange> [__readonly__ TABLE_interface <interface> <state> [<state_rsn_desc>] [<state_rsn>] [<admin_state>] [<eth_rsn_fac>] [<eth_rsn_code>] [<share_state>] [<vpc_status>] [<eth_bundle>] [<eth_hw_desc>] [<eth_hw_addr>] [<eth_bia_addr>] [<desc>] [<eth_ip_addr>] [<eth_ip_mask>] [<eth_mtu>] [<eth_bw>] [<eth_dly>] [<eth_reliability>] [<eth_txload>] [<eth_rxload>] [<eth_encap_vlan>] [<encapsulation>] [<eth_mode>] [<eth_duplex>] [<eth_speed>] [<eth_media>] [<eth_beacon>] [<eth_autoneg>] [<eth_in_flowctrl>] [<eth_out_flowctrl>] [<eth_mdix>] [<eth_ratemode>] [<eth_swt_monitor>] [<eth_ethertype>] [<eth_members>] [<eth_link_flapped>] [<eth_clear_counters>] [<eth_reset_cntr>] [<nve_addr>] [<nve_addr_mask>] [<nve_vcid>] [<nve_mtu>] [<nve_bandwidth>] [<nve_encap_str>] [<nve_vrf>] [<nve_src_addr>] [<nve_dst_addr>] [<nve_last_link_flap>] [<nve_clear_counters>] [<nve_load_interval>] [<nve_rx_ucastpkts>] [<nve_rx_ucastbytes>] [<nve_rx_mcastpkts>] [<nve_rx_mcastbytes>] [<nve_rx_pkts>] [<nve_rx_bytes>] [<nve_rx_bcastpkts>] [<nve_rx_bcastbytes>] [<nve_rx_bitrate>] [<nve_rx_pktrate>] [<nve_tx_ucastpkts>] [<nve_tx_ucastbytes>] [<nve_tx_mcastpkts>] [<nve_tx_mcastbytes>] [<nve_tx_bcastpkts>] [<nve_tx_bcastbytes>] [<nve_tx_pkts>] [<nve_tx_bytes>] [<nve_tx_bitrate>] [<nve_tx_pktrate>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter interface type and number
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn_desc	(Optional) Interface state reason detailed
state_rsn	(Optional) Interface state reason
admin_state	(Optional) admin state
eth_rsn_fac	(Optional) State reason facility
eth_rsn_code	(Optional) State reason code
share_state	(Optional) Interface ownership
vpc_status	(Optional) VPC status
eth_bundle	(Optional) Belongs to bundle
eth_hw_desc	(Optional) HW description
eth_hw_addr	(Optional) HW address

eth_bia_addr	(Optional) bia address
desc	(Optional) Interface description
eth_ip_addr	(Optional) IP Address
eth_ip_mask	(Optional) IP address mask
eth_mtu	(Optional) MTU
eth_bw	(Optional) Bandwidth
eth_dly	(Optional) Delay
eth_reliability	(Optional) Reliability
eth_txload	(Optional) Tx load
eth_rxload	(Optional) Rx load
eth_encap_vlan	(Optional) Encapsulation Vlan
encapsulation	(Optional) Encapsulation
eth_mode	(Optional) Port mode
eth_duplex	(Optional) Duplex
eth_speed	(Optional) Speed
eth_media	(Optional) Media type
eth_beacon	(Optional) Beacon
eth_autoneg	(Optional) Autonegotiation
eth_in_flowctrl	(Optional) Input flowcontrol
eth_out_flowctrl	(Optional) Output flowcontrol
eth_mdix	(Optional) Mdix
eth_ratemode	(Optional) Rate mode
eth_swt_monitor	(Optional) Switchport Monitor
eth_ethertype	(Optional) EtherType
eth_members	(Optional) Members in this channel
eth_link_flapped	(Optional) Last link flapped
eth_clear_counters	(Optional) Last clearing of show interface counters
eth_reset_cntr	(Optional) Interface resets
nve_addr	(Optional) Peer address

nve_addr_mask	(Optional) Peer address mask
nve_vcid	(Optional) VCID
nve_mtu	(Optional) MTU
nve_bandwidth	(Optional) Bandwidth
nve_encap_str	(Optional) Encap type
nve_vrf	(Optional) VRF
nve_src_addr	(Optional) Source address
nve_dst_addr	(Optional) Destination address
nve_last_link_flap	(Optional) Last link flap
nve_clear_counters	(Optional) Last clearing of show interface counters
nve_load_interval	(Optional) Load interval
nve_rx_ucastpkts	(Optional) Received ucast pkts
nve_rx_ucastbytes	(Optional) Received ucast bytes
nve_rx_mcastpkts	(Optional) Received mcast pkts
nve_rx_mcastbytes	(Optional) Received mcast bytes
nve_rx_bcastpkts	(Optional) Received bcast pkts
nve_rx_bcastbytes	(Optional) Received bcast bytes
nve_rx_pkts	(Optional) Total received pkts
nve_rx_bytes	(Optional) Total received bytes
nve_rx_bitrate	(Optional) Receive bit rate
nve_rx_pktrate	(Optional) Receive pkt rate
nve_tx_ucastpkts	(Optional) Trasnmitted ucast pkts
nve_tx_ucastbytes	(Optional) Trasnmitted ucast bytes
nve_tx_mcastpkts	(Optional) Trasnmitted mcast pkts
nve_tx_mcastbytes	(Optional) Trasnmitted mcast bytes
nve_tx_bcastpkts	(Optional) Trasnmitted bcast pkts
nve_tx_bcastbytes	(Optional) Trasnmitted bcast bytes
nve_tx_pkts	(Optional) Total transmitted pkts
nve_tx_bytes	(Optional) Total transmitted bytes

nve_tx_bitrate	(Optional) Transmit bit rate
nve_tx_pktrate	(Optional) Transmit pkt rate

Command Mode

- /exec

show interface aggregate-counters

show interface <ifid_aggr_ctrs2> aggregate-counters [brief] [__readonly__ TABLE_interface <interface_aggr> [<str_aggr>] [<if_index_aggr>] [<in_bps_aggr>] [<in_byps_aggr>] [<in_fps_aggr>] [<out_bps_aggr>] [<out_byps_aggr>] [<out_fps_aggr>] [<total_in_frames_aggr>] [<total_in_bytes_aggr>] [<C2InFrames_aggr>] [<C2InOctets_aggr>] [<C3InFrames_aggr>] [<C3InOctets_aggr>] [<CfInFrames_aggr>] [<CfInOctets_aggr>] [<total_in_discards_aggr>] [<total_in_errors_aggr>] [<InvalidCrcs_aggr>] [<UnknownClassFrames_aggr>] [<FramesTooLong_aggr>] [<FramesTooShort_aggr>] [<total_out_frames_aggr>] [<total_out_bytes_aggr>] [<C2OutFrames_aggr>] [<C2OutOctets_aggr>] [<C3OutFrames_aggr>] [<C3OutOctets_aggr>] [<CfOutFrames_aggr>] [<CfOutOctets_aggr>] [<total_out_discards_aggr>] [<total_out_errors_aggr>] [<OlsIns_aggr>] [<LRRIn_aggr>] [<NOSIn_aggr>] [<in_lip_aggr>] [<OlsOuts_aggr>] [<LRROut_aggr>] [<NOSOut_aggr>] [<out_lip_aggr>] [<LinkFailures_aggr>] [<SyncLosses_aggr>] [<SigLosses_aggr>] [<TxBBCreditTransistionToZero_aggr>] [<RxBBCreditTransistionToZero_aggr>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<InputRate_aggr_brief>] [<TotalIpFrame_aggr_brief>] [<OutRate_aggr_brief>] [<TotalOpFrame_aggr_brief>] [<line_aggr_brief>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_aggr_ctrs2	Enter interface type and number in module/slot format
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief
__readonly__	(Optional) Read Only
interface_aggr	(Optional) Interface index
TABLE_interface	(Optional) show interface
str_aggr	(Optional) string
if_index_aggr	(Optional) index
in_bps_aggr	(Optional) input rate in bits/s
in_byps_aggr	(Optional) input rate in bytes/s
in_fps_aggr	(Optional) input rate in frames/s
out_bps_aggr	(Optional) output rate in bits/s
out_byps_aggr	(Optional) output rate in bytes/s
out_fps_aggr	(Optional) output rate in frames/s
total_in_frames_aggr	(Optional) total input frames

total_in_bytes_aggr	(Optional) total input frames
C2InFrames_aggr	(Optional) class-2 frames
C2InOctets_aggr	(Optional) class-2 frames in bytes
C3InFrames_aggr	(Optional) class-3 frames
C3InOctets_aggr	(Optional) class-3 frames in bytes
CfInFrames_aggr	(Optional) class-f frames
CfInOctets_aggr	(Optional) class-f frames in bytes
total_in_discards_aggr	(Optional) total in discards
total_in_errors_aggr	(Optional) total in errors
InvalidCrcs_aggr	(Optional) invalid CRC
UnknownClassFrames_aggr	(Optional) unknown class
FramesTooLong_aggr	(Optional) too long
FramesTooShort_aggr	(Optional) too short
total_out_frames_aggr	(Optional) total out frames
total_out_bytes_aggr	(Optional) total out frames in byte
C2OutFrames_aggr	(Optional) class-2 out frames
C2OutOctets_aggr	(Optional) class-2 out frames in bytes
C3OutFrames_aggr	(Optional) class-3 out frames
C3OutOctets_aggr	(Optional) class-3 out frames in bytes
CfOutFrames_aggr	(Optional) class-f out frames
CfOutOctets_aggr	(Optional) class-f out frames in bytes
total_out_discards_aggr	(Optional) total out discards
total_out_errors_aggr	(Optional) total out errors
OlsIns_aggr	(Optional) input OLS
LRRIn_aggr	(Optional) input LRR
NOSIn_aggr	(Optional) input NOS
in_lip_aggr	(Optional) loop inits
OlsOuts_aggr	(Optional) output OLS
LRROut_aggr	(Optional) output LRR

NOSOut_aggr	(Optional) output NOS
out_lip_aggr	(Optional) loop inits
LinkFailures_aggr	(Optional) link faliure
SyncLosses_aggr	(Optional) sync losses
SigLosses_aggr	(Optional) signal losses
TxBBCreditTransistionToZero_aggr	(Optional) B2B credit transitions to zero
RxBBCreditTransistionToZero_aggr	(Optional) B2B credit transitions to zero
rx_b2b_perf_buff	(Optional) rx B2B performance buff
rx_b2b_credit	(Optional) rx B2B credit
tx_b2b_credit	(Optional) tx B2B credit
tx_b2b_low_pri_cre	(Optional) tx B2B low price credit
InputRate_aggr_brief	(Optional) Input rate in MBps
TotalIpFrame_aggr_brief	(Optional) Total input frames
OutRate_aggr_brief	(Optional) Output rate in MBps
TotalOpFrame_aggr_brief	(Optional) Total output frames
line_aggr_brief	(Optional) to print a line

Command Mode

- /exec

show interface aggregate-counters

show interface <ifid_aggr_ctrs> aggregate-counters [brief] [__readonly__ TABLE_interface <interface_aggr> [<str_aggr>] [<if_index_aggr>] [<in_bps_aggr>] [<in_byps_aggr>] [<in_fps_aggr>] [<out_bps_aggr>] [<out_byps_aggr>] [<out_fps_aggr>] [<total_in_frames_aggr>] [<total_in_bytes_aggr>] [<C2InFrames_aggr>] [<C2InOctets_aggr>] [<C3InFrames_aggr>] [<C3InOctets_aggr>] [<CfInFrames_aggr>] [<CfInOctets_aggr>] [<total_in_discards_aggr>] [<total_in_errors_aggr>] [<InvalidCrcs_aggr>] [<UnknownClassFrames_aggr>] [<FramesTooLong_aggr>] [<FramesTooShort_aggr>] [<total_out_frames_aggr>] [<total_out_bytes_aggr>] [<C2OutFrames_aggr>] [<C2OutOctets_aggr>] [<C3OutFrames_aggr>] [<C3OutOctets_aggr>] [<CfOutFrames_aggr>] [<CfOutOctets_aggr>] [<total_out_discards_aggr>] [<total_out_errors_aggr>] [<OlsIns_aggr>] [<LRRIn_aggr>] [<NOSIn_aggr>] [<in_lip_aggr>] [<OlsOuts_aggr>] [<LRROut_aggr>] [<NOSOut_aggr>] [<out_lip_aggr>] [<LinkFailures_aggr>] [<SyncLosses_aggr>] [<SigLosses_aggr>] [<TxBBCreditTransistionToZero_aggr>] [<RxBBCreditTransistionToZero_aggr>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<InputRate_aggr_brief>] [<TotalIpFrame_aggr_brief>] [<OutRate_aggr_brief>] [<TotalOpFrame_aggr_brief>] [<line_aggr_brief>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_aggr_ctrs	Enter interface type and number in module/slot format
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief
__readonly__	(Optional) Read Only
interface_aggr	(Optional) Interface index
TABLE_interface	(Optional) show interface
str_aggr	(Optional) string
if_index_aggr	(Optional) index
in_bps_aggr	(Optional) input rate in bits/s
in_byps_aggr	(Optional) input rate in bytes/s
in_fps_aggr	(Optional) input rate in frames/s
out_bps_aggr	(Optional) output rate in bits/s
out_byps_aggr	(Optional) output rate in bytes/s
out_fps_aggr	(Optional) output rate in frames/s
total_in_frames_aggr	(Optional) total input frames
total_in_bytes_aggr	(Optional) total input frames

C2InFrames_aggr	(Optional) class-2 frames
C2InOctets_aggr	(Optional) class-2 frames in bytes
C3InFrames_aggr	(Optional) class-3 frames
C3InOctets_aggr	(Optional) class-3 frames in bytes
CfInFrames_aggr	(Optional) class-f frames
CfInOctets_aggr	(Optional) class-f frames in bytes
total_in_discards_aggr	(Optional) total in discards
total_in_errors_aggr	(Optional) total in errors
InvalidCrcs_aggr	(Optional) invalid CRC
UnknownClassFrames_aggr	(Optional) unknown class
FramesTooLong_aggr	(Optional) too long
FramesTooShort_aggr	(Optional) too short
total_out_frames_aggr	(Optional) total out frames
total_out_bytes_aggr	(Optional) total out frames in byte
C2OutFrames_aggr	(Optional) class-2 out frames
C2OutOctets_aggr	(Optional) class-2 out frames in bytes
C3OutFrames_aggr	(Optional) class-3 out frames
C3OutOctets_aggr	(Optional) class-3 out frames in bytes
CfOutFrames_aggr	(Optional) class-f out frames
CfOutOctets_aggr	(Optional) class-f out frames in bytes
total_out_discards_aggr	(Optional) total out discards
total_out_errors_aggr	(Optional) total out errors
OlsIns_aggr	(Optional) input OLS
LRRIn_aggr	(Optional) input LRR
NOSIn_aggr	(Optional) input NOS
in_lip_aggr	(Optional) loop inits
OlsOuts_aggr	(Optional) output OLS
LRROut_aggr	(Optional) output LRR
NOSOut_aggr	(Optional) output NOS

out_lip_aggr	(Optional) loop inits
LinkFailures_aggr	(Optional) link faliure
SyncLosses_aggr	(Optional) sync losses
SigLosses_aggr	(Optional) signal losses
TxBBCreditTransistionToZero_aggr	(Optional) B2B credit transitions to zero
RxBBCreditTransistionToZero_aggr	(Optional) B2B credit transitions to zero
rx_b2b_perf_buff	(Optional) rx B2B performance buff
rx_b2b_credit	(Optional) rx B2B credit
tx_b2b_credit	(Optional) tx B2B credit
tx_b2b_low_pri_cre	(Optional) tx B2B low price credit
InputRate_aggr_brief	(Optional) Input rate in MBps
TotalIpFrame_aggr_brief	(Optional) Total input frames
OutRate_aggr_brief	(Optional) Output rate in MBps
TotalOpFrame_aggr_brief	(Optional) Total output frames
line_aggr_brief	(Optional) to print a line

Command Mode

- /exec

show interface aggregate-counters

show interface aggregate-counters [brief] [__readonly__ TABLE_interface <interface_aggr> [<str_aggr>] [<if_index_aggr>] [<in_bps_aggr>] [<in_byps_aggr>] [<in_fps_aggr>] [<out_bps_aggr>] [<out_byps_aggr>] [<out_fps_aggr>] [<total_in_frames_aggr>] [<total_in_bytes_aggr>] [<C2InFrames_aggr>] [<C2InOctets_aggr>] [<C3InFrames_aggr>] [<C3InOctets_aggr>] [<CfInFrames_aggr>] [<CfInOctets_aggr>] [<total_in_discards_aggr>] [<total_in_errors_aggr>] [<InvalidCrcs_aggr>] [<UnknownClassFrames_aggr>] [<FramesTooLong_aggr>] [<FramesTooShort_aggr>] [<total_out_frames_aggr>] [<total_out_bytes_aggr>] [<C2OutFrames_aggr>] [<C2OutOctets_aggr>] [<C3OutFrames_aggr>] [<C3OutOctets_aggr>] [<CfOutFrames_aggr>] [<CfOutOctets_aggr>] [<total_out_discards_aggr>] [<total_out_errors_aggr>] [<OlsIns_aggr>] [<LRRIn_aggr>] [<NOSIn_aggr>] [<in_lip_aggr>] [<OlsOuts_aggr>] [<LRROut_aggr>] [<NOSOut_aggr>] [<out_lip_aggr>] [<LinkFailures_aggr>] [<SyncLosses_aggr>] [<SigLosses_aggr>] [<TxBBCreditTransistionToZero_aggr>] [<RxBBCreditTransistionToZero_aggr>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<InputRate_aggr_brief>] [<TotalIpFrame_aggr_brief>] [<OutRate_aggr_brief>] [<TotalOpFrame_aggr_brief>] [<line_aggr_brief>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
aggregate-counters	Show interface aggregate counters
brief	(Optional) Show interface aggregate counters in brief
__readonly__	(Optional) Read Only
interface_aggr	(Optional) Interface index
TABLE_interface	(Optional) show interface
str_aggr	(Optional) string
if_index_aggr	(Optional) index
in_bps_aggr	(Optional) input rate in bits/s
in_byps_aggr	(Optional) input rate in bytes/s
in_fps_aggr	(Optional) input rate in frames/s
out_bps_aggr	(Optional) output rate in bits/s
out_byps_aggr	(Optional) output rate in bytes/s
out_fps_aggr	(Optional) output rate in frames/s
total_in_frames_aggr	(Optional) total input frames
total_in_bytes_aggr	(Optional) total input frames
C2InFrames_aggr	(Optional) class-2 frames

C2InOctets_aggr	(Optional) class-2 frames in bytes
C3InFrames_aggr	(Optional) class-3 frames
C3InOctets_aggr	(Optional) class-3 frames in bytes
CfInFrames_aggr	(Optional) class-f frames
CfInOctets_aggr	(Optional) class-f frames in bytes
total_in_discards_aggr	(Optional) total in discards
total_in_errors_aggr	(Optional) total in errors
InvalidCrcs_aggr	(Optional) invalid CRC
UnknownClassFrames_aggr	(Optional) unknown class
FramesTooLong_aggr	(Optional) too long
FramesTooShort_aggr	(Optional) too short
total_out_frames_aggr	(Optional) total out frames
total_out_bytes_aggr	(Optional) total out frames in byte
C2OutFrames_aggr	(Optional) class-2 out frames
C2OutOctets_aggr	(Optional) class-2 out frames in bytes
C3OutFrames_aggr	(Optional) class-3 out frames
C3OutOctets_aggr	(Optional) class-3 out frames in bytes
CfOutFrames_aggr	(Optional) class-f out frames
CfOutOctets_aggr	(Optional) class-f out frames in bytes
total_out_discards_aggr	(Optional) total out discards
total_out_errors_aggr	(Optional) total out errors
OlsIns_aggr	(Optional) input OLS
LRRIn_aggr	(Optional) input LRR
NOSIn_aggr	(Optional) input NOS
in_lip_aggr	(Optional) loop inits
OlsOuts_aggr	(Optional) output OLS
LRROut_aggr	(Optional) output LRR
NOSOut_aggr	(Optional) output NOS
out_lip_aggr	(Optional) loop inits

LinkFailures_aggr	(Optional) link faliure
SyncLosses_aggr	(Optional) sync losses
SigLosses_aggr	(Optional) signal losses
TxBBCreditTransistionToZero_aggr	(Optional) B2B credit transitions to zero
RxBBCreditTransistionToZero_aggr	(Optional) B2B credit transitions to zero
rx_b2b_perf_buff	(Optional) rx B2B performance buff
rx_b2b_credit	(Optional) rx B2B credit
tx_b2b_credit	(Optional) tx B2B credit
tx_b2b_low_pri_cre	(Optional) tx B2B low price credit
InputRate_aggr_brief	(Optional) Input rate in MBps
TotalIpFrame_aggr_brief	(Optional) Total input frames
OutRate_aggr_brief	(Optional) Output rate in MBps
TotalOpFrame_aggr_brief	(Optional) Total output frames
line_aggr_brief	(Optional) to print a line

Command Mode

- /exec

show interface bbcredit

show interface <ifid_bbcrd> bbcredit [__readonly__ TABLE_interface [<interface_sfp> <state> [<down_reason>] [<transmit_b2b>] [<receive_b2b>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>]]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_bbcrd	Enter interface type and number in module/slot format
bbcredit	Show BB_credit information for interface
__readonly__	(Optional) Read Only
interface_sfp	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) State
down_reason	(Optional) Reason for interface being down
transmit_b2b	(Optional) Transmit B2B
receive_b2b	(Optional) Receive B2B
rx_b2b_perf_buff	(Optional) RX B2B performance buffer
rx_b2b_credit	(Optional) RX B2B credit remaining
tx_b2b_credit	(Optional) TX B2B credit remaining
tx_b2b_low_pri_cre	(Optional) TX B2B low priority Credit

Command Mode

- /exec

show interface brief

show interface <ifeth_brf> brief [__readonly__ TABLE_interface <interface> [<vlan>] <type> <portmode> <state> <state_rsn_desc> <speed> <ratemode> [<portchan>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_brf	Enter interface type and number in module/slot format
brief	Show brief info of interface
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
vlan	(Optional) Vlan
type	(Optional) Type
portmode	(Optional) Port mode
state	(Optional) Interface state
state_rsn_desc	(Optional) Interface state reason detailed
speed	(Optional) Speed
ratemode	(Optional) Interface port speed
portchan	(Optional) Port Channel Membership

Command Mode

- /exec

show interface brief

show interface <ifid_brf> brief [__readonly__ { TABLE_interface <interface> [<desc>] [[<svi_if_index>] [<svi_admin_state>] [<oper_state>] [<svi_rsn_desc>] [<svi_line_proto>] [<svi_hw>] [<svi_mac>] [<svi_desc>] [<svi_ip_addr>] [<svi_ip_mask>] [<svi_mtu>] [<svi_bw>] [<svi_delay>] [<vlan_id>] [<type>]] [[<svi_tx_load>] [<svi_rx_load>]] [[<svi_carrier_delay_sec>] [<svi_carrier_delay_msec>] [<svi_arp_type>] [<svi_arp_timeout>]] [[<svi_time_last_cleared>]] [{ TABLE_secondary_vlan <sec_vlan> <sec_vlan_type> }] [[<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_l3avg2_inbytes>] [<eth_l3avg2_inpkts>] [<eth_l3avg2_outbytes>] [<eth_l3avg2_outpkts>] [<eth_l3avg3_inbytes>] [<eth_l3avg3_inpkts>] [<eth_l3avg3_outbytes>] [<eth_l3avg3_outpkts>] [<eth_inpkts>] [<eth_inbytes>] [<eth_nobuf>] [<eth_inbcast>] [<eth_inmcast>] [<eth_inucast>] [<eth_ingiants>] [<eth_ipmcast>] [<eth_inhw_switched>] [<eth_insw_switched>] [<eth_runts>] [<eth_storm_supp>] [<eth_throtles>] [<eth_inerr>] [<eth_crc>] [<eth_ecc>] [<eth_frame>] [<eth_overrun>] [<eth_ignored>] [<eth_watchdog>] [<eth_outbcast>] [<eth_outmcast>] [<eth_outucast>] [<eth_outgiants>] [<eth_inpause>] [<eth_dribble>] [<eth_in_ifdown_drops>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_outpkts>] [<eth_outbytes>] [<eth_underrun>] [<eth_outhw_switched>] [<eth_outsw_switched>] [<eth_outerr>] [<eth_coll>] [<eth_resets>] [<eth_babbles>] [<eth_latecoll>] [<eth_deferred>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_outpause>] [<eth_buffail>] [<eth_bufswapped>] [<eth_arpdrops>] [<eth_out_ifdown_drops>] [<eth_single_coll>] [<eth_multi_coll>] [<eth_excess_coll>] [<eth_jabbers>] [<eth_shortframe>] [<eth_indiscard>] [<eth_bad_encap>] [<eth_outcrc>] [<eth_symbol>] [<eth_out_drops>] [<eth_sqetest>] [<eth_inb64>] [<eth_inb65_127>] [<eth_inb128_255>] [<eth_inb256_511>] [<eth_inb512_1023>] [<eth_inb1024_1518>] [<eth_inb1519_1548>] [<eth_intrunk>] [<eth_outb64>] [<eth_outb65_127>] [<eth_outb128_255>] [<eth_outb256_511>] [<eth_outb512_1023>] [<eth_outb1024_1518>] [<eth_outb1519_1548>] [<eth_outtrunk>] [<eth_bpdu_outlost>] [<eth_cos0_outlost>] [<eth_cos1_outlost>] [<eth_cos2_outlost>] [<eth_cos3_outlost>] [<eth_cos4_outlost>] [<eth_cos5_outlost>] [<eth_cos6_outlost>] [<eth_cos7_outlost>] [<eth_fcoe_in_pkts>] [<eth_fcoe_in_octets>] [<eth_fcoe_out_pkts>] [<eth_fcoe_out_octets>] [<eth_nfcoe_in_pkts>] [<eth_nfcoe_in_octets>] [<eth_nfcoe_out_pkts>] [<eth_nfcoe_out_octets>] [<eth_eee_atx_lpi_msec>] [<eth_eee_arcv_lpi_msec>] [<eth_eee_atx_lpi_transitions>] [<eth_eee_arcv_lpi_transitions>] [<eth_phy_ber_count>] [<eth_phy_errblks_count>]] [[<svi_routed_pkts_in>] [<svi_routed_bytes_in>] [<svi_routed_pkts_out>] [<svi_routed_bytes_out>] [<svi_ucast_pkts_in>] [<svi_ucast_bytes_in>] [<svi_mcast_pkts_in>] [<svi_mcast_bytes_in>] [<svi_ucast_pkts_out>] [<svi_ucast_bytes_out>] [<svi_mcast_pkts_out>] [<svi_mcast_bytes_out>] [<svi_ipv4_ucast_pkts_in>] [<svi_ipv4_ucast_bytes_in>] [<svi_ipv4_ucast_pkts_out>] [<svi_ipv4_ucast_bytes_out>] [<svi_ipv4_mcast_pkts_in>] [<svi_ipv4_mcast_bytes_in>] [<svi_ipv4_mcast_pkts_out>] [<svi_ipv4_mcast_bytes_out>] [

<svi_ipv6_ucast_pkts_in>] [<svi_ipv6_ucast_bytes_in>] [<svi_ipv6_ucast_pkts_out>] [<svi_ipv6_ucast_bytes_out>] [<svi_ipv6_mcast_pkts_in>] [<svi_ipv6_mcast_bytes_in>] [<svi_ipv6_mcast_pkts_out>] [<svi_ipv6_mcast_bytes_out>] [<svi_average_input_bits>] [<svi_average_input_packets>] [<svi_average_output_bits>] [<svi_average_output_packets>] [<svi_rate_in_mins>]] [[<svi_reliability>]] [<switchport>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_brf	Enter interface type and number in module/slot format
brief	Show brief info of interface
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
desc	(Optional) Interface description
svi_if_index	(Optional) Interface
svi_admin_state	(Optional)
oper_state	(Optional)
svi_rsn_desc	(Optional) Interface state reason detailed
svi_line_proto	(Optional)
svi_hw	(Optional) Hardware
svi_mac	(Optional) Address
svi_desc	(Optional) Interface Description
svi_ip_addr	(Optional) IP Address
svi_ip_mask	(Optional) IP address mask
svi_mtu	(Optional) MTU size in bytes
svi_bw	(Optional) Bandwidth in kilobits
svi_delay	(Optional) Throughput delay (tens of microseconds)
vlan_id	(Optional) Vlan
type	(Optional) type
svi_tx_load	(Optional) Tx Load
svi_rx_load	(Optional) Rx Load

svi_carrier_delay_sec	(Optional) carrier delay value in seconds
svi_carrier_delay_msec	(Optional) carrier delay value in milli-seconds
svi_arp_type	(Optional) ARP type
svi_arp_timeout	(Optional) ARP timeout value
svi_time_last_cleared	(Optional) Time last cleared
TABLE_secondary_vlan	(Optional) Secondary vlan
sec_vlan	(Optional) Secondary vlan ID
sec_vlan_type	(Optional) Secondary vlan type
eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec
eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec
eth_load_interval2_tx	(Optional) interval 2 timer value in sec
eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec

eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary
eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary
eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary
eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) IPv4 L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) IPv4 L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) IPv4 L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) IPv4 L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes
eth_l3out_ucastpkts	(Optional) IPv4 L3 out switched ucast pkts
eth_l3out_ucastbytes	(Optional) IPv4 L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) IPv4 L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) IPv4 L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes
eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes

eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_l3avg2_inbytes	(Optional) Load interval 2 L3 average in switched bytes
eth_l3avg2_inpkts	(Optional) Load interval 2 L3 average in switched pkts
eth_l3avg2_outbytes	(Optional) Load interval 2 L3 average out switched bytes
eth_l3avg2_outpkts	(Optional) Load interval 2 L3 average out switched pkts
eth_l3avg3_inbytes	(Optional) Load interval 3 L3 average in switched bytes
eth_l3avg3_inpkts	(Optional) Load interval 3 L3 average in switched pkts
eth_l3avg3_outbytes	(Optional) Load interval 3 L3 average out switched bytes
eth_l3avg3_outpkts	(Optional) Load interval 3 L3 average out switched pkts
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_nobuf	(Optional) No buffer received
eth_inbcast	(Optional) Broadcasts
eth_inmcast	(Optional) Multicasts
eth_inucast	(Optional) Unicasts
eth_ingiants	(Optional) giants
eth_ipmcast	(Optional) IP multicast
eth_inhw_switched	(Optional) Input H/W Switched
eth_insw_switched	(Optional) Input S/W Switched
eth_runts	(Optional) runts
eth_storm_supp	(Optional) storm suppression
eth_throtles	(Optional) throttles
eth_inerr	(Optional) input errors
eth_crc	(Optional) CRC

eth_ecc	(Optional) ECC
eth_frame	(Optional) frame
eth_overrun	(Optional) overrun
eth_ignored	(Optional) ignored
eth_watchdog	(Optional) watchdog
eth_outbcast	(Optional) Broadcasts
eth_outmcast	(Optional) Multicasts
eth_outucast	(Optional) Unicasts
eth_outgiants	(Optional) giants
eth_inpause	(Optional) pause input
eth_dribble	(Optional) input packets with dribble condition
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_outpkts	(Optional) packets output
eth_outbytes	(Optional) bytes output
eth_underrun	(Optional) underruns
eth_outhw_switched	(Optional) Out H/W Switched
eth_outsw_switched	(Optional) Out S/W Switched
eth_outerr	(Optional) output errors
eth_coll	(Optional) collisions
eth_resets	(Optional) interface resets
eth_babbles	(Optional) babbles
eth_latecoll	(Optional) late collision
eth_deferred	(Optional) deferred
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_outpause	(Optional) PAUSE output
eth_buffail	(Optional) output buffer failures

eth_bufswapped	(Optional) output buffers swapped out
eth_arpdrops	(Optional) arp drops
eth_out_ifdown_drops	(Optional) Output if-down drops
eth_single_coll	(Optional) single collisions
eth_multi_coll	(Optional) multi collisions
eth_excess_coll	(Optional) excessive collisions
eth_jabbers	(Optional) jabbers
eth_shortframe	(Optional) short frames
eth_indiscard	(Optional) discards
eth_bad_encap	(Optional) bad encapsulation
eth_outcrc	(Optional) Output CRC
eth_symbol	(Optional) symbol errors
eth_out_drops	(Optional) output drops
eth_sqetest	(Optional) SQE test
eth_inb64	(Optional) input pkts between 0 and 64 bytes
eth_inb65_127	(Optional) input pkts between 65 and 127 bytes
eth_inb128_255	(Optional) input pkts between 128 and 255 bytes
eth_inb256_511	(Optional) input pkts between 256 and 511 bytes
eth_inb512_1023	(Optional) input pkts between 512 and 1023 bytes
eth_inb1024_1518	(Optional) input pkts between 1024 and 1518 bytes
eth_inb1519_1548	(Optional) input pkts between 1519 and 1548 bytes
eth_intrunk	(Optional) input trunk pkts
eth_outb64	(Optional) output pkts between 0 and 64 bytes
eth_outb65_127	(Optional) output pkts between 65 and 127 bytes
eth_outb128_255	(Optional) output pkts between 128 and 255 bytes
eth_outb256_511	(Optional) output pkts between 256 and 511 bytes
eth_outb512_1023	(Optional) output pkts between 512 and 1023 bytes
eth_outb1024_1518	(Optional) output pkts between 1024 and 1518 bytes
eth_outb1519_1548	(Optional) output pkts between 1519 and 1548 bytes

eth_outtrunk	(Optional) output trunk pkts
eth_bpdu_outlost	(Optional) BPDU output lost
eth_cos0_outlost	(Optional) output pkts
eth_cos1_outlost	(Optional) output pkts
eth_cos2_outlost	(Optional) output pkts
eth_cos3_outlost	(Optional) output pkts
eth_cos4_outlost	(Optional) output pkts
eth_cos5_outlost	(Optional) output pkts
eth_cos6_outlost	(Optional) output pkts
eth_cos7_outlost	(Optional) output pkts
eth_fcoe_in_pkts	(Optional) fcoe in pkts
eth_fcoe_in_octets	(Optional) fcoe in octets
eth_fcoe_out_pkts	(Optional) fcoe out pkts
eth_fcoe_out_octets	(Optional) fcoe out octets
eth_nfcoe_in_pkts	(Optional) nfcoe in pkts
eth_nfcoe_in_octets	(Optional) nfcoe in octets
eth_nfcoe_out_pkts	(Optional) nfcoe out pkts
eth_nfcoe_out_octets	(Optional) nfcoe out octets
eth_eee_atx_lpi_msec	(Optional) Tx Lpi usec
eth_eee_arcv_lpi_msec	(Optional) Rx Lpi usec
eth_eee_atx_lpi_transitions	(Optional) Tx Lpi requests
eth_eee_arcv_lpi_transitions	(Optional) Rx Lpi indications
eth_phy_ber_count	(Optional) Bit error rate counter
eth_phy_errblks_count	(Optional) Errored blocks counter
svi_reliability	(Optional) Reliability
switchport	(Optional) Switchport enabled

Command Mode

- /exec

show interface brief

show interface <ifpch_brf> brief [__readonly__ TABLE_interface <interface> [<vlan>] <type> <portmode> <state> <state_rsn_desc> <speed> <ratemode> [<proto>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifpch_brf	Enter interface type and number in module/slot format
brief	Show brief info of interface
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
vlan	(Optional) Vlan
type	(Optional) Type
portmode	(Optional) Port mode
state	(Optional) Interface state
state_rsn_desc	(Optional) Interface state reason detailed
speed	(Optional) Speed
ratemode	(Optional) Interface port speed
proto	(Optional) Port Channel Protocol

Command Mode

- /exec

show interface brief

show interface brief [controller | cli] [__readonly__ { TABLE_interface [<interface>] [<vlan>] [<type>] [<portmode>] [<state>] [<state_rsn>] [<state_rsn_desc>] [<desc>] [<vrf>] [<ipv6_addr>] [<ip_addr>] [<speed>] [<mtu>] [<ratemode>] [<portchan>] [<proto>] [<interface_vfc>] [<vsan_brief>] [<admin_mode>] [<admin_trunk_mode>] [<status>] [<fcot_info>] [<bind_info>] [<bind_type>] [<bind_mac>] [<port_rate_mode>] [<oper_speed>] [<port_channel>] [<ip_addr1>] [{ TABLE_secondary_vlan <sec_vlan> <sec_vlan_type> }] [<svi_admin_state>] [<svi_rsn_desc>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
brief	Show brief info of interface
controller	(Optional) Show controller configured interfaces
cli	(Optional) Show CLI configured interfaces
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed
desc	(Optional) Interface description
vrf	(Optional) Vrf membership
ip_addr	(Optional) IP address
mtu	(Optional) MTU
speed	(Optional) Speed
vlan	(Optional) Vlan
type	(Optional) Type
portmode	(Optional) Port mode
ratemode	(Optional) Interface port speed
portchan	(Optional) Port Channel Membership
proto	(Optional) Port Channel Protocol

interface_vfc	(Optional) Interface index
vsan_brief	(Optional) vsan brief
admin_mode	(Optional) admin mode
admin_trunk_mode	(Optional) admin trunk mode
status	(Optional) status
fcot_info	(Optional) fcot info
bind_info	(Optional) bind interface
bind_type	(Optional) bind type
bind_mac	(Optional) bind mac address
port_rate_mode	(Optional) rate mode
oper_speed	(Optional) speed
port_channel	(Optional) port channel number
ip_addr1	(Optional) IP address
TABLE_secondary_vlan	(Optional) Secondary vlan
sec_vlan	(Optional) Secondary vlan ID
sec_vlan_type	(Optional) Secondary vlan type
svi_admin_state	(Optional) svi admin state
svi_rsn_desc	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface brief

show interface <ifloop_brf> brief [__readonly__ TABLE_interface <interface> <state> [<desc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifloop_brf	Enter interface type and number in module/slot format
brief	Show brief info of interface
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
desc	(Optional) Interface description

Command Mode

- /exec

show interface brief

show interface <iftunnel_brf> brief [__readonly__ TABLE_interface <interface> <state> <admin-state> { <tunnel-ipv4> | <tunnel-ipv6> } <mtu> <bandwidth> <encap-type> <keepalive-period> <keepalive-retries> { <src-ipv4> | <src-ipv6> } <src-intf> { <dest-ipv4> | <dest-ipv6> } <dest-hostname> <vrf_name> <tunnel_vrf_name> <wccp_header> <ttl_val> <tunnel_pmtud_age_time> <tunnel_pmtud_min_mtu> <tunnel_pmtud> <tunnel_pgm_mtu> <tunnel_rx_pkt_count> <tunnel_rx_byte_count> <tunnel_rx_rate> <tunnel_tx_pkt_count> <tunnel_tx_byte_count> <tunnel_tx_rate> <tunnel_clear_counter>]

Syntax Description

show	Show running system information
interface	Show interface status and information
iftunnel_brf	Enter interface type and number in module/slot format
brief	Show brief info of interface
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
admin-state	(Optional)
tunnel-ipv4	(Optional) interface IPv4 address
mtu	(Optional) interface Maximum Transmission Unit
bandwidth	(Optional) interface Bandwidth in kilobits
encap-type	(Optional)
keepalive-period	(Optional) keealive period
keepalive-retries	(Optional) number of retries
src-ipv4	(Optional) tunnel source IPv4 address
src-intf	(Optional) tunnel source interface
dest-ipv4	(Optional) tunnel destination IPv4 address
dest-hostname	(Optional) tunnel destination hostname
vrf_name	(Optional) transport VRF name
tunnel_vrf_name	(Optional) tunnel VRF name
wccp_header	(Optional) wccp header

ttl_val	(Optional) tunnel time to live value
tunnel_pmtud_age_time	(Optional) tunnel path MTU discovery age time
tunnel_pmtud_min_mtu	(Optional) tunnel path MTU discovery min mtu
tunnel_pmtud	(Optional) tunnel path MTU discovered
tunnel_pgm_mtu	(Optional) tunnel actual programmed MTU
tunnel_rx_pkt_count	(Optional) total number of packets received
tunnel_rx_byte_count	(Optional) total number of bytes received
tunnel_rx_rate	(Optional) packets input rate per 5 minutes
tunnel_tx_pkt_count	(Optional) total number of packets transmitted
tunnel_tx_byte_count	(Optional) total number of bytes transmitted
tunnel_tx_rate	(Optional) packets transmitted per 5 minutes
tunnel_clear_counter	(Optional) Last clearing of show interface counters

Command Mode

- /exec

show interface brief

show interface <ifmgmt_brf> brief [__readonly__ TABLE_interface <interface> [<vrf>] <state> [<ipv6_addr>] [<ip_addr>] <mtu> <speed> [<duplex>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifmgmt_brf	Enter interface type and number in module/slot format
brief	Show brief info of interface
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
vrf	(Optional) Vrf membership
state	(Optional) Interface state
ip_addr	(Optional) IP address
mtu	(Optional) MTU
speed	(Optional) Speed
duplex	(Optional) Duplex

Command Mode

- /exec

show interface brief

show interface <ifrange> brief [__readonly__ TABLE_interface <interface> <state> [<state_rsn>] [<state_rsn_desc>] [<overlay_mtu>] [<overlay_bandwidth>] [<overlay_vrf>] [<overlay_src_addr>] [<overlay_dst_addr>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter interface type and number
brief	Show brief info of interface
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed
overlay_mtu	(Optional) MTU
overlay_bandwidth	(Optional) Bandwidth
overlay_vrf	(Optional) VRF
overlay_src_addr	(Optional) Source address
overlay_dst_addr	(Optional) Destination address

Command Mode

- /exec

show interface brief

show interface <ifrange> brief [__readonly__ TABLE_interface <interface> <state> [<state_rsn>] [<state_rsn_desc>] [<admin_state>] [<nve_addr>] [<nve_vcid>] [<nve_mtu>] [<nve_bandwidth>] [<nve_vrf>] [<nve_src_addr>] [<nve_dst_addr>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter interface type and number
brief	Show brief info of interface
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed
admin_state	(Optional) admin state
nve_addr	(Optional) Peer address
nve_vcid	(Optional) VCID
nve_mtu	(Optional) MTU
nve_bandwidth	(Optional) Bandwidth
nve_vrf	(Optional) VRF
nve_src_addr	(Optional) Source address
nve_dst_addr	(Optional) Destination address

Command Mode

- /exec

show interface cable-diagnostics-tdr

show interface <ifid_tdr> cable-diagnostics-tdr [__readonly__ TABLE_interface <interface> <speed> <distance1> <pair1_status> <distance2> <pair2_status> <distance3> <pair3_status> <distance4> <pair4_status>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_tdr	Enter interface type and number in module/slot format
cable-diagnostics-tdr	Show interface tdr test information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
speed	(Optional) Speed
distance1	(Optional) Distance to fault for pair 1
distance2	(Optional) Distance to fault for pair 2
distance3	(Optional) Distance to fault for pair 3
distance4	(Optional) Distance to fault for pair 4
pair1_status	(Optional) Pair1 status
pair2_status	(Optional) Pair2 status
pair3_status	(Optional) Pair3 status
pair4_status	(Optional) Pair4 status

Command Mode

- /exec

show interface capabilities

show interface <ifid_cap> capabilities [__readonly__ { TABLE_interface_capabilities_if <interface> [<min_speed>] [<max_speed>] [<FC-PH_version_high>] [<FC-PH_version_low>] [<recieve_data_max>] [<recieve_data_min>] [<transmit_data_max>] [<transmit_data_min>] [<class_service>] [<class_2>] [<class_3>] [<hold_time_max>] [<hold_time_min>] [<BB_state_change>] [<max_BB_state_change>] [<rate_mode_change>] [<rate_mode_cap>] [<recieve_BB_credit>] [<FX_recieve_BB_credit>] [<ISL_recieve_BB_credit>] [<shared_performance_buf_mod_supp>] [<dedicated_performance_buf_mod_supp>] [<fx_mode_perf_buf>] [<isl_mode_perf_buf>] [<out_of_order>] [<beacon_mode_config>] [<extended_B2B>] [<on_demand_port>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_cap	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information
__readonly__	(Optional)
TABLE_interface_capabilities_if	(Optional) interface capabilities if table
interface	(Optional) fc interface
min_speed	(Optional) Min Speed
max_speed	(Optional) Max Speed
FC-PH_version_high	(Optional) FC-PH version high
FC-PH_version_low	(Optional) FC-PH version low
recieve_data_max	(Optional) Receive data field size max
recieve_data_min	(Optional) Receive data field size min
transmit_data_max	(Optional) Transmit data field size max
transmit_data_min	(Optional) Transmit data field size min
class_service	(Optional) Classes of Service supported
class_2	(Optional) Class 2 sequential delivery
class_3	(Optional) Class 3 sequential delivery
hold_time_max	(Optional) Hold time max
hold_time_min	(Optional) Hold time min
BB_state_change	(Optional) BB state change notification

max_BB_state_change	(Optional) Maximum BB state change notifications
rate_mode_change	(Optional) Rate Mode change
rate_mode_cap	(Optional) Rate Mode Capabilities
recieve_BB_credit	(Optional) Receive BB Credit modification supported
FX_recieve_BB_credit	(Optional) FX mode Receive BB Credit (min/max/default)
ISL_recieve_BB_credit	(Optional) ISL mode Receive BB Credit (min/max/default)
shared_performance_buf_mod_supp	(Optional) Performance buffer modification supported shared
dedicated_performance_buf_mod_supp	(Optional) Performance buffer modification supported dedicated
fx_mode_perf_buf	(Optional) FX mode performance buffers
isl_mode_perf_buf	(Optional) ISL mode performance buffers
out_of_order	(Optional) Out of Service capable
beacon_mode_config	(Optional) Beacon mode configurable
extended_B2B	(Optional) Extended B2B credit capable
on_demand_port	(Optional) On demand port activation license supported

Command Mode

- /exec

show interface capabilities

show interface <ifid_eth_cap> capabilities [__readonly__ TABLE_interface <interface> <model> <type> <speed> <duplex> <trunk_encap> [<dce_capable>] <channel> <bcast_supp> <flo_ctrl> <rate_mode> <port_mode> [<fast_start>] <qos_scheduling> <cos_rewrite> <tos_rewrite> [<inline_power>] <udld> [<mdix>] [<tdr>] <lnk_debounce> <lnk_debounce_time> <fex_fabric> <dot1q_tunnel> [<pvlan_trunk_mode>] [<port_group>] [<port_group_members>] <eee_capable> <pfc_capable> [<speed_group_capable>] <buffer_boost_capable> [<bkout_capable>] [<macsec_capable>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_eth_cap	Enter interface type and number in module/slot format
capabilities	Show interface capabilities information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
model	(Optional) Model
type	(Optional) Type
speed	(Optional) Speed
duplex	(Optional) Duplex
trunk_encap	(Optional) Trunk encap. type
dce_capable	(Optional) DCE mode capable
channel	(Optional) Channel
bcast_supp	(Optional) Broadcast suppression
flo_ctrl	(Optional) Flowcontrol
rate_mode	(Optional) Rate mode
port_mode	(Optional) Port mode
fast_start	(Optional) Fast start
qos_scheduling	(Optional) QOS scheduling
cos_rewrite	(Optional) CoS rewrite
tos_rewrite	(Optional) ToS rewrite

inline_power	(Optional) Inline power
span	(Optional) SPAN
udld	(Optional) UDLD
mdix	(Optional) MDIX
tdr	(Optional) TDR
lnk_debounce	(Optional) Link debounce
lnk_debounce_time	(Optional) Link debounce time
fex_fabric	(Optional) FEX Fabric
dot1q_tunnel	(Optional) dot1q-tunnel
pvlan_trunk_mode	(Optional) Private-vlan trunk mode
port_group	(Optional) Port Group
port_group_members	(Optional) Port Group Members
eee_capable	(Optional) EEE (efficient-eth)
pfc_capable	(Optional) PFC Capable:
bkout_capable	(Optional) Breakout Capable:
buffer_boost_capable	(Optional) Buffer Boost Capable:
speed_group_capable	(Optional) Speed group capable
macsec_capable	(Optional) MACSEC capable

Command Mode

- /exec

show interface capabilities

show interface capabilities [__readonly__ TABLE_interface <interface> <model> <type> <speed> <duplex> <trunk_encap> [<dce_capable>] <channel> <bcast_supp> <flo_ctrl> <rate_mode> <port_mode> [<fast_start>] <qos_scheduling> <cos_rewrite> <tos_rewrite> [<inline_power>] <udld> [<mdix>] [<tdr>] <lnk_debounce> <lnk_debounce_time> <fex_fabric> <dot1q_tunnel> [<pvlan_trunk_mode>] [<port_group>] [<port_group_members>] <eee_capable> <pfc_capable> [<speed_group_capable>] <buffer_boost_capable> [<bkout_capable>] [<macsec_capable>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
capabilities	Show interface capabilities information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
model	(Optional) Model
type	(Optional) Type
speed	(Optional) Speed
duplex	(Optional) Duplex
trunk_encap	(Optional) Trunk encap. type
dce_capable	(Optional) DCE mode capable
channel	(Optional) Channel
bcast_supp	(Optional) Broadcast suppression
flo_ctrl	(Optional) Flowcontrol
rate_mode	(Optional) Rate mode
port_mode	(Optional) Port mode
fast_start	(Optional) Fast start
qos_scheduling	(Optional) QOS scheduling
cos_rewrite	(Optional) CoS rewrite
tos_rewrite	(Optional) ToS rewrite
inline_power	(Optional) Inline power

span	(Optional) SPAN
udld	(Optional) UDLD
mdix	(Optional) MDIX
tdr	(Optional) TDR
lnk_debounce	(Optional) Link debounce
lnk_debounce_time	(Optional) Link debounce time
fex_fabric	(Optional) FEX Fabric
dot1q_tunnel	(Optional) dot1q-tunnel
pvlan_trunk_mode	(Optional) Private-vlan trunk mode
port_group	(Optional) Port Group
port_group_members	(Optional) Port Group Members
eee_capable	(Optional) EEE (efficient-eth)
pfc_capable	(Optional) PFC Capable:
bkout_capable	(Optional) Breakout Capable:
buffer_boost_capable	(Optional) Buffer Boost Capable:
speed_group_capable	(Optional) Speed group capable
macsec_capable	(Optional) MACSEC capable

Command Mode

- /exec

show interface counters

show interface counters [module <module>] [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inpkts>] [<fc_inframes>] [<eth_inbytes>] [<fc_inbytes>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface_tx> [<eth_outpkts>] [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number
__readonly__	(Optional) Read Only
interface_rx	(Optional) Interface index rx
interface_tx	(Optional) Interface index tx
TABLE_rx_counters	(Optional) show Rx counters
TABLE_tx_counters	(Optional) show Tx counters
eth_inpkts	(Optional) Packets input
fc_inframes	(Optional) Frames input fc
eth_inbytes	(Optional) Bytes input
fc_inbytes	(Optional) Bytes input fc
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts
eth_inbcast	(Optional) Broadcasts
eth_outpkts	(Optional) Packets output
eth_outbytes	(Optional) Bytes output
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts

eth_l3in_bytes	(Optional) L3 Rx bytes
eth_l3in_ucastpkts	(Optional) L3 Rx Unicast pkts
eth_l3in_mcastpkts	(Optional) L3 Rx Multicast pkts
eth_l3in_bcastpkts	(Optional) L3 Rx Broadcast pkts
eth_l3out_bytes	(Optional) L3 Tx bytes
eth_l3out_ucastpkts	(Optional) L3 Tx Unicast pkts
eth_l3out_mcastpkts	(Optional) L3 Tx Multicast pkts
eth_l3out_bcastpkts	(Optional) L3 Tx Broadcast pkts

Command Mode

- /exec

show interface counters

show interface <ifid_ctrs> counters [brief] [__readonly__ [{ TABLE_counters <sfp> { TABLE_input_rate <bit_per_sec> <bytes_per_sec> <frames_per_sec> } { TABLE_output_rate <bit_per_sec> <bytes_per_sec> <frames_per_sec> } { TABLE_input <frames> <bytes> [<class_2_frames>] [<class_2_bytes>] [<class_3_frames>] [<class_3_bytes>] [<class_f_frames>] [<class_f_bytes>] [<class_2_3_frames>] <discards> <errors> <crc_fcs> <unknown_class> <too_long> <too_short> } { TABLE_output <frames> <bytes> [<class_2_frames>] [<class_2_bytes>] [<class_3_frames>] [<class_3_bytes>] [<class_f_frames>] [<class_f_bytes>] [<class_2_3_frames>] [<discards>] [<errors>] [<crc_fcs>] } [<timeout_discards>] [<credit_loss>] [<input_ols>] [<input_lrr>] [<input_nos>] [<input_loop_inits>] [<output_ols>] [<output_lrr>] [<output_nos>] [<output_loop_inits>] [<link_faliures>] [<sync_loss>] [<signal_loss>] [<b2b_transmit>] [<b2b_receive>] [<txwait>] [<tx_credit_unavbl>] [<b2b_receive_remain>] [<b2b_transmit_remain>] [<low_priority_b2b_remain>] [<off_seq_err_rcvd>] [<broadcast_frames>] [<errors>] [<queue_drops>] [<if_down_drops>] [<red_drops>] [<bad_ether_type_drops>] [<bad_protocol_drops>] [<arp_drops>] [<reass_frames>] [<timestamp_error>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<time_last_cleared>] }] [{ TABLE_counters_brief <sfp> <fc_input_rate> <fc_frames_in> <fc_output_rate> <fc_frames_out> }]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_ctrs	Enter interface type and number in module/slot format
counters	Show interface counters
brief	(Optional) Show interface counters in brief
__readonly__	(Optional) Readonly
TABLE_counters	(Optional) Table counters
sfp	(Optional) SFP
TABLE_input_rate	(Optional) Input rate
bit_per_sec	(Optional) Input rate bits per second
bytes_per_sec	(Optional) Input rate bytes per second
frames_per_sec	(Optional) Input rate frames per second
TABLE_output_rate	(Optional) Output rate
bit_per_sec	(Optional) Output rate bits per second
bytes_per_sec	(Optional) Output rate bytes per second
frames_per_sec	(Optional) Output rate frames per second
TABLE_input	(Optional) Input values

frames	(Optional) Frames
bytes	(Optional) Bytes
class_2_frames	(Optional) Class 2 frames
class_2_bytes	(Optional) Class 2 bytes
class_3_frames	(Optional) Class 3 frames
class_3_bytes	(Optional) Class 3 bytes
class_f_frames	(Optional) Class f frames
class_f_bytes	(Optional) Class f bytes
class_2_3_frames	(Optional) Class 2/3 Frames
discards	(Optional) Discards
errors	(Optional) Errors
crc_fcs	(Optional) CRC/FCS
unknown_class	(Optional) Unknown Class
too_long	(Optional) Frames too long
too_short	(Optional) Frames too short
TABLE_output	(Optional) Output Values
frames	(Optional) Frames
bytes	(Optional) Bytes
class_2_frames	(Optional) Class 2 frames
class_2_bytes	(Optional) Class 2 bytes
class_3_frames	(Optional) Class 3 frames
class_3_bytes	(Optional) Class 3 bytes
class_f_frames	(Optional) Class f frames
class_f_bytes	(Optional) Class f bytes
class_2_3_frames	(Optional) Class 2/3 frames
discards	(Optional) Discards
errors	(Optional) Errors
crc_fcs	(Optional) CRC/FCS
timeout_discards	(Optional) Timeout Discards

credit_loss	(Optional) Credit Loss
input_ols	(Optional) input ols
input_lrr	(Optional) input LRR
input_nos	(Optional) input NOS
input_loop_inits	(Optional) input loop inits
output_ols	(Optional) output OLS
output_lrr	(Optional) output LRR
output_nos	(Optional) output NOS
output_loop_inits	(Optional) output loop inits
link_faliures	(Optional) link faliures
sync_loss	(Optional) Sync loss
signal_loss	(Optional) Signal loss
b2b_transmit	(Optional) B2B transmit
b2b_receive	(Optional) B2B receive
txwait	(Optional) TxWait
tx_credit_unavbl	(Optional) Tx credit unavaliable
b2b_receive_remain	(Optional) B2B receive remain
b2b_transmit_remain	(Optional) B2B transmit remain
low_priority_b2b_remain	(Optional) Low priority B2B credit remaining
time_last_cleared	(Optional) Last time cleared
broadcast_frames	(Optional) Broadcast frames
errors	(Optional) Errors
queue_drops	(Optional) Queue drops
if_down_drops	(Optional) If down drops
red_drops	(Optional) Red drops
bad_ether_type_drops	(Optional) Bad ether type drops
bad_protocol_drops	(Optional) Bad Protocol Drops
arp_drops	(Optional) Arp Drops
timestamp_error	(Optional) Timestamp Error

reass_frames	(Optional) Reass Frames
rx_b2b_perf_buff	(Optional) RX B2B performance buffer
rx_b2b_credit	(Optional) RX B2B credit remaining
tx_b2b_credit	(Optional) TX B2B credit remaining
tx_b2b_low_pri_cre	(Optional) TX B2B low priority Credit
off_seq_err_rcvd	(Optional) Offset Sequence Error Received
TABLE_counters_brief	(Optional) Table counters brief
sfp	(Optional) FC id
fc_input_rate	(Optional) Input rate
fc_frames_in	(Optional) Frames in
fc_output_rate	(Optional) Output rate
fc_frames_out	(Optional) Frames out

Command Mode

- /exec

show interface counters

show interface <ifid_ctr> counters [snmp] [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inpkts>] [<eth_inbytes>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] } { TABLE_tx_counters <interface_tx> [<eth_outpkts>] [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_ctr	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
interface_rx	(Optional) Interface index rx
interface_tx	(Optional) Interface index tx
TABLE_rx_counters	(Optional) show Rx counters
TABLE_tx_counters	(Optional) show Tx counters
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts
eth_inbcast	(Optional) Broadcasts
eth_outpkts	(Optional) Packets output
eth_outbytes	(Optional) Bytes output
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts

Command Mode

- /exec

show interface counters

show interface counters [non-zero] [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inpkts>] [<eth_inbytes>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface_tx> [<eth_outpkts>] [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
non-zero	(Optional) To display only the non-zero counter values
__readonly__	(Optional) Read Only
interface_rx	(Optional) Interface index rx
interface_tx	(Optional) Interface index tx
TABLE_rx_counters	(Optional) show Rx counters
TABLE_tx_counters	(Optional) show Tx counters
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts
eth_inbcast	(Optional) Broadcasts
eth_outpkts	(Optional) Packets output
eth_outbytes	(Optional) Bytes output
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts
eth_l3in_bytes	(Optional) L3 Rx bytes
eth_l3in_ucastpkts	(Optional) L3 Rx Unicast pkts
eth_l3in_mcastpkts	(Optional) L3 Rx Multicast pkts
eth_l3in_bcastpkts	(Optional) L3 Rx Broadcast pkts

eth_l3out_bytes	(Optional) L3 Tx bytes
eth_l3out_ucastpkts	(Optional) L3 Tx Unicast pkts
eth_l3out_mcastpkts	(Optional) L3 Tx Multicast pkts
eth_l3out_bcastpkts	(Optional) L3 Tx Broadcast pkts

Command Mode

- /exec

show interface counters

show interface <ifeth_ctr> counters [snmp] [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inbytes>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface_tx> [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_ctr	Enter interface type and number in module/slot format
counters	Show interface counters
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
TABLE_rx_counters	(Optional) show Rx counters
interface_rx	(Optional) Interface index rx
eth_inbytes	(Optional) Bytes input
eth_inucast	(Optional) Unicasts input
eth_inmcast	(Optional) Multicasts input
eth_inbcast	(Optional) Broadcasts input
eth_l3in_bytes	(Optional) L3 Rx bytes
eth_l3in_ucastpkts	(Optional) L3 Rx Unicast pkts
eth_l3in_mcastpkts	(Optional) L3 Rx Multicast pkts
eth_l3in_bcastpkts	(Optional) L3 Rx Broadcast pkts
TABLE_tx_counters	(Optional) show Tx counters
interface_tx	(Optional) Interface index tx
eth_outbytes	(Optional) Bytes output
eth_outucast	(Optional) Unicasts output
eth_outmcast	(Optional) Multicasts output
eth_outbcast	(Optional) Broadcasts output
eth_l3out_bytes	(Optional) L3 Tx bytes

eth_l3out_ucastpkts	(Optional) L3 Tx Unicast pkts
eth_l3out_mcastpkts	(Optional) L3 Tx Multicast pkts
eth_l3out_bcastpkts	(Optional) L3 Tx Broadcast pkts

Command Mode

- /exec

show interface counters

show interface <ifrange> counters [__readonly__ TABLE_interface <interface> [<overlay_load_interval>] [<overlay_rx_ucastpkts>] [<overlay_rx_ucastbytes>] [<overlay_rx_mcastpkts>] [<overlay_rx_mcastbytes>] [<overlay_rx_pkts>] [<overlay_rx_bytes>] [<overlay_rx_bcastpkts>] [<overlay_rx_bcastbytes>] [<overlay_rx_bitrate>] [<overlay_rx_pktrate>] [<overlay_tx_ucastpkts>] [<overlay_tx_ucastbytes>] [<overlay_tx_mcastpkts>] [<overlay_tx_mcastbytes>] [<overlay_tx_bcastpkts>] [<overlay_tx_bcastbytes>] [<overlay_tx_pkts>] [<overlay_tx_bytes>] [<overlay_tx_bitrate>] [<overlay_tx_pktrate>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter interface type and number
counters	Show interface counters
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
overlay_load_interval	(Optional) Load interval
overlay_rx_ucastpkts	(Optional) Received ucast pkts
overlay_rx_ucastbytes	(Optional) Received ucast bytes
overlay_rx_mcastpkts	(Optional) Received mcast pkts
overlay_rx_mcastbytes	(Optional) Received mcast bytes
overlay_rx_bcastpkts	(Optional) Received bcast pkts
overlay_rx_bcastbytes	(Optional) Received bcast bytes
overlay_rx_pkts	(Optional) Total received pkts
overlay_rx_bytes	(Optional) Total received bytes
overlay_rx_bitrate	(Optional) Receive bit rate
overlay_rx_pktrate	(Optional) Receive pkt rate
overlay_tx_ucastpkts	(Optional) Trasnmitted ucast pkts
overlay_tx_ucastbytes	(Optional) Trasnmitted ucast bytes
overlay_tx_mcastpkts	(Optional) Trasnmitted mcast pkts
overlay_tx_mcastbytes	(Optional) Trasnmitted mcast bytes

overlay_tx_bcastpkts	(Optional) Trasnmitted bcast pkts
overlay_tx_bcastbytes	(Optional) Trasnmitted bcast bytes
overlay_tx_pkts	(Optional) Total transmitted pkts
overlay_tx_bytes	(Optional) Total transmitted bytes
overlay_tx_bitrate	(Optional) Transmit bit rate
overlay_tx_pktrate	(Optional) Transmit pkt rate

Command Mode

- /exec

show interface counters

show interface <ifrange> counters [__readonly__ { TABLE_nve_counters <interface> [<ucast_inbytes>] [<ucast_inpkts>] [<ucast_outbytes>] [<ucast_outpkts>] [<mcast_inbytes>] [<mcast_inpkts>] [<mcast_outbytes>] [<mcast_outpkts>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter interface type and number
counters	Show interface counters
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_nve_counters	(Optional) show interface
ucast_inbytes	(Optional) ucast bytes input
ucast_inpkts	(Optional) ucast packets input
ucast_outbytes	(Optional) ucast bytes output
ucast_outpkts	(Optional) ucast packets output
mcast_inbytes	(Optional) mcast bytes input
mcast_inpkts	(Optional) mcast packets input
mcast_outbytes	(Optional) mcast bytes output
mcast_outpkts	(Optional) mcast packets output

Command Mode

- /exec

show interface counters brief

show interface counters brief [<counter_val>] [__readonly__ TABLE_interface <interface> [<eth_inrate1>] [<eth_inframes1>] [<eth_outrate1>] [<eth_outframes1>] [<eth_load_intv1>] [<eth_inrate2>] [<eth_inframes2>] [<eth_outrate2>] [<eth_outframes2>] [<eth_load_intv2>] [<eth_inrate3>] [<eth_inframes3>] [<eth_outrate3>] [<eth_outframes3>] [<eth_load_intv3>] [<fc_input_rate>] [<fc_frames_in>] [<fc_output_rate>] [<fc_frames_out>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
brief	Show interface counters in brief
counter_val	(Optional) Specify a single load interval id to show the rates
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
eth_inrate1	(Optional) interval 1 input rate in mbps
eth_inframes1	(Optional) interval 1 input rate in frames (pkts)
eth_outrate1	(Optional) interval 1 output rate in mbps
eth_outframes1	(Optional) interval 1 output rate in output frames (pkts)
eth_load_intv1	(Optional) interval 1 timer value in sec
eth_inrate2	(Optional) interval 2 input rate in mbps
eth_inframes2	(Optional) interval 2 input rate in frames (pkts)
eth_outrate2	(Optional) interval 2 output rate in mbps
eth_outframes2	(Optional) interval 2 output rate in output frames (pkts)
eth_load_intv2	(Optional) interval 2 timer value in sec
eth_inrate3	(Optional) interval 3 input rate in mbps
eth_inframes3	(Optional) interval 3 input rate in frames (pkts)
eth_outrate3	(Optional) interval 3 output rate in mbps
eth_outframes3	(Optional) interval 3 output rate in output frames (pkts)
eth_load_intv3	(Optional) interval 3 timer value in sec

fc_input_rate	(Optional) Input rate
fc_frames_in	(Optional) Frames in
fc_output_rate	(Optional) Output rate
fc_frames_out	(Optional) Frames out

Command Mode

- /exec

show interface counters brief

show interface <ifeth_ctr_brf> counters brief [<counter_val>] [__readonly__ TABLE_interface <interface> <eth_inrate1> <eth_inframes1> <eth_outrate1> <eth_outframes1> <eth_load_intv1> <eth_inrate2> <eth_inframes2> <eth_outrate2> <eth_outframes2> <eth_load_intv2> [<eth_inrate3> <eth_inframes3> <eth_outrate3> <eth_outframes3> <eth_load_intv3>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_ctr_brf	Enter interface type and number in module/slot format
counters	Show interface counters
brief	Show interface counters in brief
counter_val	(Optional) Specify a single load interval id to show the rates
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
eth_inrate1	(Optional) interval 1 input rate in mbps
eth_inframes1	(Optional) interval 1 input rate in frames (pkts)
eth_outrate1	(Optional) interval 1 output rate in mbps
eth_outframes1	(Optional) interval 1 output rate in output frames (pkts)
eth_load_intv1	(Optional) interval 1 timer value in sec
eth_inrate2	(Optional) interval 2 input rate in mbps
eth_inframes2	(Optional) interval 2 input rate in frames (pkts)
eth_outrate2	(Optional) interval 2 output rate in mbps
eth_outframes2	(Optional) interval 2 output rate in output frames (pkts)
eth_load_intv2	(Optional) interval 2 timer value in sec
eth_inrate3	(Optional) interval 3 input rate in mbps
eth_inframes3	(Optional) interval 3 input rate in frames (pkts)
eth_outrate3	(Optional) interval 3 output rate in mbps
eth_outframes3	(Optional) interval 3 output rate in output frames (pkts)

eth_load_intv3	(Optional) interval 3 timer value in sec

Command Mode

- /exec

show interface counters detailed

show interface <ifmgmt_ctr_dtl> counters detailed [__readonly__ TABLE_interface <interface> [<vdc_lvl_in_pkts>] [<vdc_lvl_in_bytes>] [<vdc_lvl_in_ucast>] [<vdc_lvl_in_mcast>] [<vdc_lvl_in_bcast>] [<vdc_lvl_in_bps>] [<vdc_lvl_in_pps>] [<vdc_lvl_in_avg_pkts>] [<vdc_lvl_in_avg_bytes>] [<vdc_lvl_out_pkts>] [<vdc_lvl_out_bytes>] [<vdc_lvl_out_ucast>] [<vdc_lvl_out_mcast>] [<vdc_lvl_out_bcast>] [<vdc_lvl_out_bps>] [<vdc_lvl_out_pps>] [<vdc_lvl_out_avg_pkts>] [<vdc_lvl_out_avg_bytes>] [<mgmt_in_pkts>] [<mgmt_in_bytes>] [<mgmt_in_mcast>] [<mgmt_in_compressed>] [<mgmt_in_errors>] [<mgmt_in_frame>] [<mgmt_in_overrun>] [<mgmt_in_fifo>] [<mgmt_out_pkts>] [<mgmt_out_bytes>] [<mgmt_out_underruns>] [<mgmt_out_errors>] [<mgmt_out_collisions>] [<mgmt_out_fifo>] [<mgmt_out_carrier>] [<mgmt_align_err>] [<mgmt_fcs_err>] [<mgmt_xmit_err>] [<mgmt_rcv_err>] [<mgmt_undersize>] [<mgmt_outdisc>] [<mgmt_single_col>] [<mgmt_multi_col>] [<mgmt_late_col>] [<mgmt_excess_col>] [<mgmt_carri_sen>] [<mgmt_runts>] [<mgmt_giants>] [<mgmt_sqetest_err>] [<mgmt_deferred_tx>] [<mgmt_inmactx_err>] [<mgmt_inmacrx_err>] [<mgmt_symbol_err>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifmgmt_ctr_dtl	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
vdc_lvl_in_pkts	(Optional) VDC level input packets
vdc_lvl_in_bytes	(Optional) VDC level input bytes
vdc_lvl_in_ucast	(Optional) VDC level input unicast packets
vdc_lvl_in_mcast	(Optional) VDC level input multicast packets
vdc_lvl_in_bcast	(Optional) VDC level input broadcast packets
vdc_lvl_in_bps	(Optional) VDC level input bytes per second
vdc_lvl_in_pps	(Optional) VDC level input packets per second
vdc_lvl_in_avg_pkts	(Optional) VDC level average input packets
vdc_lvl_in_avg_bytes	(Optional) VDC level average input bytes
vdc_lvl_out_pkts	(Optional) VDC level output packets

vdc_lvl_out_bytes	(Optional) VDC level output bytes
vdc_lvl_out_ucast	(Optional) VDC level output unicast packets
vdc_lvl_out_mcast	(Optional) VDC level output multicast packets
vdc_lvl_out_bcast	(Optional) VDC level output broadcast packets
vdc_lvl_out_bps	(Optional) VDC level output bytes per second
vdc_lvl_out_pps	(Optional) VDC level output packets per second
vdc_lvl_out_avg_pkts	(Optional) VDC level average output packets
vdc_lvl_out_avg_bytes	(Optional) VDC level average output bytes
mgmt_in_pkts	(Optional) Input packets
mgmt_in_bytes	(Optional) Input bytes
mgmt_in_mcast	(Optional) Input multicast frames
mgmt_in_compressed	(Optional) Input compressed
mgmt_in_errors	(Optional) Input errors
mgmt_in_frame	(Optional) Input frame errors
mgmt_in_overrun	(Optional) Input overrun
mgmt_in_fifo	(Optional) Input fifo
mgmt_out_pkts	(Optional) Output packets
mgmt_out_bytes	(Optional) Output bytes
mgmt_out_underruns	(Optional) Output overruns
mgmt_out_errors	(Optional) Output errors
mgmt_out_collisions	(Optional) Output collisions
mgmt_out_fifo	(Optional) Output fifo
mgmt_out_carrier	(Optional) Output carrier errors
mgmt_align_err	(Optional) Align error
mgmt_fcs_err	(Optional) FCS error
mgmt_xmit_err	(Optional) Transmit error
mgmt_rcv_err	(Optional) Receive error
mgmt_undersize	(Optional) Undersize
mgmt_outdisc	(Optional) Out discard

mgmt_single_col	(Optional) Single collision
mgmt_multi_col	(Optional) Multiple collision
mgmt_late_col	(Optional) Late collision
mgmt_excess_col	(Optional) Excess collision
mgmt_carri_sen	(Optional) Carrier sense
mgmt_runts	(Optional) Runts
mgmt_giants	(Optional) Giants
mgmt_sqetest_err	(Optional) SQETest error
mgmt_deferred_tx	(Optional) Deferred tx
mgmt_inmactx_err	(Optional) In MAC tx
mgmt_inmacrx_err	(Optional) In MAC rx
mgmt_symbol_err	(Optional) Symbol error

Command Mode

- /exec

show interface counters detailed

show interface counters detailed [snmp] [__readonly__ TABLE_interface <interface> [<vdc_lvl_in_pkts>] [<vdc_lvl_in_bytes>] [<vdc_lvl_in_ucast>] [<vdc_lvl_in_mcast>] [<vdc_lvl_in_bcast>] [<vdc_lvl_in_bps>] [<vdc_lvl_in_pps>] [<vdc_lvl_in_avg_pkts>] [<vdc_lvl_in_avg_bytes>] [<vdc_lvl_out_pkts>] [<vdc_lvl_out_bytes>] [<vdc_lvl_out_ucast>] [<vdc_lvl_out_mcast>] [<vdc_lvl_out_bcast>] [<vdc_lvl_out_bps>] [<vdc_lvl_out_pps>] [<vdc_lvl_out_avg_pkts>] [<vdc_lvl_out_avg_bytes>] [<mgmt_in_pkts>] [<mgmt_in_bytes>] [<mgmt_in_mcast>] [<mgmt_in_compressed>] [<mgmt_in_errors>] [<mgmt_in_frame>] [<mgmt_in_overrun>] [<mgmt_in_fifo>] [<mgmt_out_pkts>] [<mgmt_out_bytes>] [<mgmt_out_underruns>] [<mgmt_out_errors>] [<mgmt_out_collisions>] [<mgmt_out_fifo>] [<mgmt_out_carrier>] [<mgmt_align_err>] [<mgmt_fcs_err>] [<mgmt_xmit_err>] [<mgmt_rcv_err>] [<mgmt_undersize>] [<mgmt_outdisc>] [<mgmt_single_col>] [<mgmt_multi_col>] [<mgmt_late_col>] [<mgmt_excess_col>] [<mgmt_carri_sen>] [<mgmt_runts>] [<mgmt_giants>] [<mgmt_sqetest_err>] [<mgmt_deferred_tx>] [<mgmt_inmactx_err>] [<mgmt_inmacrx_err>] [<mgmt_symbol_err>] [<loop_in_pkts>] [<loop_in_bytes>] [<loop_in_mcast>] [<loop_in_compressed>] [<loop_in_errors>] [<loop_in_frame>] [<loop_in_overrun>] [<loop_in_fifo>] [<loop_out_pkts>] [<loop_out_bytes>] [<loop_out_underruns>] [<loop_out_errors>] [<loop_out_collisions>] [<loop_out_fifo>] [<loop_out_carriers>] [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_inpkts>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_ingiants>] [<eth_inbytes>] [<eth_storm_supp>] [<eth_inb64>] [<eth_inb65_127>] [<eth_inb128_255>] [<eth_inb256_511>] [<eth_inb512_1023>] [<eth_inb1024_1518>] [<eth_inb1519_1548>] [<eth_intrunk>] [<eth_outpkts>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_outgiants>] [<eth_outbytes>] [<eth_outb64>] [<eth_outb65_127>] [<eth_outb128_255>] [<eth_outb256_511>] [<eth_outb512_1023>] [<eth_outb1024_1518>] [<eth_outb1519_1548>] [<eth_outtrunk>] [<eth_nobuf>] [<eth_runts>] [<eth_crc>] [<eth_ecc>] [<eth_overrun>] [<eth_underrun>] [<eth_ignored>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_in_ifdown_drops>] [<eth_coll>] [<eth_latecoll>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_babbles>] [<eth_watchdog>] [<eth_dribble>] [<eth_inerr>] [<eth_outerr>] [<eth_deferred>] [<eth_jabbers>] [<eth_shortframe>] [<eth_single_coll>] [<eth_multi_coll>] [<eth_excess_coll>] [<eth_indiscard>] [<eth_bad_encap>] [<eth_outcrc>] [<eth_symbol>] [<eth_out_drops>] [<eth_bpdu_outlost>] [<eth_cos0_outlost>] [<eth_cos1_outlost>] [<eth_cos2_outlost>] [<eth_cos3_outlost>] [<eth_cos4_outlost>] [<eth_cos5_outlost>] [<eth_cos6_outlost>] [<eth_cos7_outlost>] [<eth_inpause>] [<eth_outpause>] [<eth_resets>] [<eth_sqetest>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_ipmcast>] [<eth_inhw_switched>] [<eth_insw_switched>] [<eth_throtles>] [<eth_frame>] [<eth_outhw_switched>] [<eth_outsw_switched>] [<eth_buffail>] [<eth_bufswapped>] [<eth_arpdrops>] [<eth_out_ifdown_drops>] [<eth_fcoe_in_pkts>

] [<eth_fcoe_in_octets>] [<eth_fcoe_out_pkts>] [<eth_fcoe_out_octets>] [<eth_nfcoe_in_pkts>] [<eth_nfcoe_in_octets>] [<eth_nfcoe_out_pkts>] [<eth_nfcoe_out_octets>] [<svi_routed_pkts_in>] [<svi_routed_bytes_in>] [<svi_routed_pkts_out>] [<svi_routed_bytes_out>] [<svi_ucast_pkts_in>] [<svi_ucast_bytes_in>] [<svi_mcast_pkts_in>] [<svi_mcast_bytes_in>] [<svi_ucast_pkts_out>] [<svi_ucast_bytes_out>] [<svi_mcast_pkts_out>] [<svi_mcast_bytes_out>] [<svi_ipv4_ucast_pkts_in>] [<svi_ipv4_ucast_bytes_in>] [<svi_ipv4_ucast_pkts_out>] [<svi_ipv4_ucast_bytes_out>] [<svi_ipv4_mcast_pkts_in>] [<svi_ipv4_mcast_bytes_in>] [<svi_ipv4_mcast_pkts_out>] [<svi_ipv4_mcast_bytes_out>] [<svi_ipv6_ucast_pkts_in>] [<svi_ipv6_ucast_bytes_in>] [<svi_ipv6_ucast_pkts_out>] [<svi_ipv6_ucast_bytes_out>] [<svi_ipv6_mcast_pkts_in>] [<svi_ipv6_mcast_bytes_in>] [<svi_ipv6_mcast_pkts_out>] [<svi_ipv6_mcast_bytes_out>] [<svi_average_input_bits>] [<svi_average_input_packets>] [<svi_average_output_bits>] [<svi_average_output_packets>] [<svi_rate_in_mins>] [<svi_time_last_cleared>] [<svi_tx_load>] [<svi_rx_load>] [<svi_reliability>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
vdc_lvl_in_pkts	(Optional) VDC level input packets
vdc_lvl_in_bytes	(Optional) VDC level input bytes
vdc_lvl_in_ucast	(Optional) VDC level input unicast packets
vdc_lvl_in_mcast	(Optional) VDC level input multicast packets
vdc_lvl_in_bcast	(Optional) VDC level input broadcast packets
vdc_lvl_in_bps	(Optional) VDC level input bytes per second
vdc_lvl_in_pps	(Optional) VDC level input packets per second
vdc_lvl_in_avg_pkts	(Optional) VDC level average input packets
vdc_lvl_in_avg_bytes	(Optional) VDC level average input bytes
vdc_lvl_out_pkts	(Optional) VDC level output packets
vdc_lvl_out_bytes	(Optional) VDC level output bytes
vdc_lvl_out_ucast	(Optional) VDC level output unicast packets

vdc_lvl_out_mcast	(Optional) VDC level output multicast packets
vdc_lvl_out_bcast	(Optional) VDC level output broadcast packets
vdc_lvl_out_bps	(Optional) VDC level output bytes per second
vdc_lvl_out_pps	(Optional) VDC level output packets per second
vdc_lvl_out_avg_pkts	(Optional) VDC level average output packets
vdc_lvl_out_avg_bytes	(Optional) VDC level average output bytes
mgmt_in_pkts	(Optional) Input packets
mgmt_in_bytes	(Optional) Input bytes
mgmt_in_mcast	(Optional) Input multicast frames
mgmt_in_compressed	(Optional) Input compressed
mgmt_in_errors	(Optional) Input errors
mgmt_in_frame	(Optional) Input frame errors
mgmt_in_overrun	(Optional) Input overrun
mgmt_in_fifo	(Optional) Input fifo
mgmt_out_pkts	(Optional) Output packets
mgmt_out_bytes	(Optional) Output bytes
mgmt_out_underruns	(Optional) Output overruns
mgmt_out_errors	(Optional) Output errors
mgmt_out_collisions	(Optional) Output collisions
mgmt_out_fifo	(Optional) Output fifo
mgmt_out_carrier	(Optional) Output carrier errors
mgmt_align_err	(Optional) Align error
mgmt_fcs_err	(Optional) FCS error
mgmt_xmit_err	(Optional) Transmit error
mgmt_rcv_err	(Optional) Receive error
mgmt_undersize	(Optional) Undersize
mgmt_outdisc	(Optional) Out discard
mgmt_single_col	(Optional) Single collision
mgmt_multi_col	(Optional) Multiple collision

mgmt_late_col	(Optional) Late collision
mgmt_excess_col	(Optional) Excess collision
mgmt_carri_sen	(Optional) Carrier sense
mgmt_runts	(Optional) Runts
mgmt_giants	(Optional) Giants
mgmt_sqetest_err	(Optional) SQETest error
mgmt_deferred_tx	(Optional) Deferred tx
mgmt_inmactx_err	(Optional) In MAC tx
mgmt_inmacrx_err	(Optional) In MAC rx
mgmt_symbol_err	(Optional) Symbol error
loop_in_pkts	(Optional) Input packets
loop_in_bytes	(Optional) Input bytes
loop_in_mcast	(Optional) Input multicast
loop_in_compressed	(Optional) Input compressed
loop_in_errors	(Optional) Input errors
loop_in_frame	(Optional) Input frame errors
loop_in_overrun	(Optional) Input overrun
loop_in_fifo	(Optional) Input fifo
loop_out_pkts	(Optional) Output packets
loop_out_bytes	(Optional) Output bytes
loop_out_underruns	(Optional) Output underruns
loop_out_errors	(Optional) Output errors
loop_out_collisions	(Optional) Output collisions
loop_out_fifo	(Optional) Output fifo
loop_out_carriers	(Optional) Output carrier errors
eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec

eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec
eth_load_interval2_tx	(Optional) interval 2 timer value in sec
eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec
eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary
eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary
eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary
eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_inpkts	(Optional) Packets input
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts

eth_inbcast	(Optional) Broadcasts
eth_ingiants	(Optional) giants
eth_inbytes	(Optional) Bytes input
eth_storm_supp	(Optional) storm suppression
eth_inb64	(Optional) input pkts between 0 and 64 bytes
eth_inb65_127	(Optional) input pkts between 65 and 127 bytes
eth_inb128_255	(Optional) input pkts between 128 and 255 bytes
eth_inb256_511	(Optional) input pkts between 256 and 511 bytes
eth_inb512_1023	(Optional) input pkts between 512 and 1023 bytes
eth_inb1024_1518	(Optional) input pkts between 1024 and 1518 bytes
eth_inb1519_1548	(Optional) input pkts between 1519 and 1548 bytes
eth_intrunk	(Optional) input trunk pkts
eth_outpkts	(Optional) packets output
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts
eth_outgiants	(Optional) giants
eth_outbytes	(Optional) bytes output
eth_outb64	(Optional) output pkts between 0 and 64 bytes
eth_outb65_127	(Optional) output pkts between 65 and 127 bytes
eth_outb128_255	(Optional) output pkts between 128 and 255 bytes
eth_outb256_511	(Optional) output pkts between 256 and 511 bytes
eth_outb512_1023	(Optional) output pkts between 512 and 1023 bytes
eth_outb1024_1518	(Optional) output pkts between 1024 and 1518 bytes
eth_outb1519_1548	(Optional) output pkts between 1519 and 1548 bytes
eth_outtrunk	(Optional) output trunk pkts
eth_nobuf	(Optional) No buffer received
eth_runts	(Optional) runts
eth_crc	(Optional) CRC

eth_ecc	(Optional) ECC
eth_overrun	(Optional) overrun
eth_underrun	(Optional) underruns
eth_ignored	(Optional) ignored
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_coll	(Optional) collisions
eth_latecoll	(Optional) late collision
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_babbles	(Optional) babbles
eth_watchdog	(Optional) watchdog
eth_dribble	(Optional) input packets with dribble condition
eth_inerr	(Optional) input errors
eth_outerr	(Optional) output errors
eth_deferred	(Optional) deferred
eth_jabbers	(Optional) jabbers
eth_shortframe	(Optional) short frames
eth_single_coll	(Optional) single collisions
eth_multi_coll	(Optional) multi collisions
eth_excess_coll	(Optional) excessive collisions
eth_indiscard	(Optional) discards
eth_bad_encap	(Optional) bad encapsulation
eth_outcrc	(Optional) Output CRC
eth_symbol	(Optional) symbol errors
eth_out_drops	(Optional) output drops
eth_bpdu_outlost	(Optional) BPDU output lost
eth_cos0_outlost	(Optional) output pkts

eth_cos1_outlost	(Optional) output pkts
eth_cos2_outlost	(Optional) output pkts
eth_cos3_outlost	(Optional) output pkts
eth_cos4_outlost	(Optional) output pkts
eth_cos5_outlost	(Optional) output pkts
eth_cos6_outlost	(Optional) output pkts
eth_cos7_outlost	(Optional) output pkts
eth_inpause	(Optional) pause input
eth_outpause	(Optional) PAUSE output
eth_resets	(Optional) interface resets
eth_sqetest	(Optional) SQE test
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes
eth_l3out_ucastpkts	(Optional) L3 out switched ucast pkts
eth_l3out_ucastbytes	(Optional) L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes

eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes
eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_ipmcast	(Optional) IP multicast
eth_inhw_switched	(Optional) Input H/W Switched
eth_insw_switched	(Optional) Input S/W Switched
eth_throtles	(Optional) throttles
eth_frame	(Optional) frame
eth_outhw_switched	(Optional) Out H/W Switched
eth_outsw_switched	(Optional) Out S/W Switched
eth_buffail	(Optional) output buffer failures
eth_bufswapped	(Optional) output buffers swapped out
eth_arpdrops	(Optional) arp drops
eth_out_ifdown_drops	(Optional) Output if-down drops
eth_fcoe_in_pkts	(Optional) fcoe in pkts
eth_fcoe_in_octets	(Optional) fcoe in octets
eth_fcoe_out_pkts	(Optional) fcoe out pkts
eth_fcoe_out_octets	(Optional) fcoe out octets
eth_nfcoe_in_pkts	(Optional) nfcoe in pkts
eth_nfcoe_in_octets	(Optional) nfcoe in octets
eth_nfcoe_out_pkts	(Optional) nfcoe out pkts
eth_nfcoe_out_octets	(Optional) nfcoe out octets
svi_time_last_cleared	(Optional) Time last cleared
svi_tx_load	(Optional) Tx Load

svi_rx_load	(Optional) Rx Load
svi_reliability	(Optional) Reliability

Command Mode

- /exec

show interface counters detailed

show interface <ifloop_ctr_dtl> counters detailed [__readonly__ TABLE_interface <interface> [<loop_in_pkts>] [<loop_in_bytes>] [<loop_in_mcast>] [<loop_in_compressed>] [<loop_in_errors>] [<loop_in_frame>] [<loop_in_overrun>] [<loop_in_fifo>] [<loop_out_pkts>] [<loop_out_bytes>] [<loop_out_underruns>] [<loop_out_errors>] [<loop_out_collisions>] [<loop_out_fifo>] [<loop_out_carriers>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifloop_ctr_dtl	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
loop_in_pkts	(Optional) Input packets
loop_in_bytes	(Optional) Input bytes
loop_in_mcast	(Optional) Input multicast
loop_in_compressed	(Optional) Input compressed
loop_in_errors	(Optional) Input errors
loop_in_frame	(Optional) Input frame errors
loop_in_overrun	(Optional) Input overrun
loop_in_fifo	(Optional) Input fifo
loop_out_pkts	(Optional) Output packets
loop_out_bytes	(Optional) Output bytes
loop_out_underruns	(Optional) Output underruns
loop_out_errors	(Optional) Output errors
loop_out_collisions	(Optional) Output collisions
loop_out_fifo	(Optional) Output fifo
loop_out_carriers	(Optional) Output carrier errors

Command Mode

- /exec

show interface counters detailed

show interface <ifeth_ctr_dtl> counters detailed [snmp] [__readonly__ TABLE_interface <interface> [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_inpkts>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_ingiants>] [<eth_inbytes>] [<eth_storm_supp>] [<eth_inb64>] [<eth_inb65_127>] [<eth_inb128_255>] [<eth_inb256_511>] [<eth_inb512_1023>] [<eth_inb1024_1518>] [<eth_inb1519_1548>] [<eth_intrunk>] [<eth_outpkts>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_outgiants>] [<eth_outbytes>] [<eth_outb64>] [<eth_outb65_127>] [<eth_outb128_255>] [<eth_outb256_511>] [<eth_outb512_1023>] [<eth_outb1024_1518>] [<eth_outb1519_1548>] [<eth_outtrunk>] [<eth_nobuf>] [<eth_runts>] [<eth_crc>] [<eth_ecc>] [<eth_overrun>] [<eth_underrun>] [<eth_ignored>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_in_ifdown_drops>] [<eth_coll>] [<eth_latecoll>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_babbles>] [<eth_watchdog>] [<eth_dribble>] [<eth_inerr>] [<eth_outerr>] [<eth_deferred>] [<eth_jabbers>] [<eth_shortframe>] [<eth_single_coll>] [<eth_multi_coll>] [<eth_excess_coll>] [<eth_indiscard>] [<eth_bad_encap>] [<eth_outcrc>] [<eth_symbol>] [<eth_out_drops>] [<eth_bpdu_outlost>] [<eth_cos0_outlost>] [<eth_cos1_outlost>] [<eth_cos2_outlost>] [<eth_cos3_outlost>] [<eth_cos4_outlost>] [<eth_cos5_outlost>] [<eth_cos6_outlost>] [<eth_cos7_outlost>] [<eth_inpause>] [<eth_outpause>] [<eth_resets>] [<eth_sqetest>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_ipmcast>] [<eth_inhw_switched>] [<eth_insw_switched>] [<eth_throtles>] [<eth_frame>] [<eth_outhw_switched>] [<eth_outsw_switched>] [<eth_buffail>] [<eth_bufswapped>] [<eth_arpdrops>] [<eth_out_ifdown_drops>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_ctr_dtl	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only

interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec
eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec
eth_load_interval2_tx	(Optional) interval 2 timer value in sec
eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec
eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary

eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary
eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary
eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_inpkts	(Optional) Packets input
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts
eth_inbcast	(Optional) Broadcasts
eth_ingiants	(Optional) giants
eth_inbytes	(Optional) Bytes input
eth_storm_supp	(Optional) storm suppression
eth_inb64	(Optional) input pkts between 0 and 64 bytes
eth_inb65_127	(Optional) input pkts between 65 and 127 bytes
eth_inb128_255	(Optional) input pkts between 128 and 255 bytes
eth_inb256_511	(Optional) input pkts between 256 and 511 bytes
eth_inb512_1023	(Optional) input pkts between 512 and 1023 bytes
eth_inb1024_1518	(Optional) input pkts between 1024 and 1518 bytes
eth_inb1519_1548	(Optional) input pkts between 1519 and 1548 bytes
eth_intrunk	(Optional) input trunk pkts
eth_outpkts	(Optional) packets output
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts
eth_outgiants	(Optional) giants
eth_outbytes	(Optional) bytes output
eth_outb64	(Optional) output pkts between 0 and 64 bytes
eth_outb65_127	(Optional) output pkts between 65 and 127 bytes
eth_outb128_255	(Optional) output pkts between 128 and 255 bytes
eth_outb256_511	(Optional) output pkts between 256 and 511 bytes
eth_outb512_1023	(Optional) output pkts between 512 and 1023 bytes

eth_outb1024_1518	(Optional) output pkts between 1024 and 1518 bytes
eth_outb1519_1548	(Optional) output pkts between 1519 and 1548 bytes
eth_outtrunk	(Optional) output trunk pkts
eth_nobuf	(Optional) No buffer received
eth_runts	(Optional) runts
eth_crc	(Optional) CRC
eth_ecc	(Optional) ECC
eth_overrun	(Optional) overrun
eth_underrun	(Optional) underruns
eth_ignored	(Optional) ignored
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_coll	(Optional) collisions
eth_latecoll	(Optional) late collision
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_babbles	(Optional) babbles
eth_watchdog	(Optional) watchdog
eth_dribble	(Optional) input packets with dribble condition
eth_inerr	(Optional) input errors
eth_outerr	(Optional) output errors
eth_deferred	(Optional) deferred
eth_jabbers	(Optional) jabbers
eth_shortframe	(Optional) short frames
eth_single_coll	(Optional) single collisions
eth_multi_coll	(Optional) multi collisions
eth_excess_coll	(Optional) excessive collisions
eth_indiscard	(Optional) discards

eth_bad_encap	(Optional) bad encapsulation
eth_outcrc	(Optional) Output CRC
eth_symbol	(Optional) symbol errors
eth_out_drops	(Optional) output drops
eth_bpdu_outlost	(Optional) BPDU output lost
eth_cos0_outlost	(Optional) output pkts
eth_cos1_outlost	(Optional) output pkts
eth_cos2_outlost	(Optional) output pkts
eth_cos3_outlost	(Optional) output pkts
eth_cos4_outlost	(Optional) output pkts
eth_cos5_outlost	(Optional) output pkts
eth_cos6_outlost	(Optional) output pkts
eth_cos7_outlost	(Optional) output pkts
eth_inpause	(Optional) pause input
eth_outpause	(Optional) PAUSE output
eth_resets	(Optional) interface resets
eth_sqetest	(Optional) SQE test
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes

eth_l3out_ucastpkts	(Optional) L3 out switched ucast pkts
eth_l3out_ucastbytes	(Optional) L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes
eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes
eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_ipmcast	(Optional) IP multicast
eth_inhw_switched	(Optional) Input H/W Switched
eth_insw_switched	(Optional) Input S/W Switched
eth_throtles	(Optional) throttles
eth_frame	(Optional) frame
eth_outhw_switched	(Optional) Out H/W Switched
eth_outsw_switched	(Optional) Out S/W Switched
eth_buffail	(Optional) output buffer failures
eth_bufswapped	(Optional) output buffers swapped out
eth_arpdrops	(Optional) arp drops
eth_out_ifdown_drops	(Optional) Output if-down drops

Command Mode

- /exec

show interface counters detailed all

show interface <ifid_ctr_dtl_all> counters detailed all [snmp]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_ctr_dtl_all	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
snmp	(Optional) Show SNMP MIB values

Command Mode

- /exec

show interface counters detailed all

show interface <ifmgmt_ctr_dtl_all> counters detailed all [__readonly__ TABLE_interface <interface> [<vdc_lvl_in_pkts>] [<vdc_lvl_in_bytes>] [<vdc_lvl_in_ucast>] [<vdc_lvl_in_mcast>] [<vdc_lvl_in_bcast>] [<vdc_lvl_in_bps>] [<vdc_lvl_in_pps>] [<vdc_lvl_in_avg_pkts>] [<vdc_lvl_in_avg_bytes>] [<vdc_lvl_out_pkts>] [<vdc_lvl_out_bytes>] [<vdc_lvl_out_ucast>] [<vdc_lvl_out_mcast>] [<vdc_lvl_out_bcast>] [<vdc_lvl_out_bps>] [<vdc_lvl_out_pps>] [<vdc_lvl_out_avg_pkts>] [<vdc_lvl_out_avg_bytes>] [<mgmt_in_pkts>] [<mgmt_in_bytes>] [<mgmt_in_mcast>] [<mgmt_out_pkts>] [<mgmt_out_bytes>] [<mgmt_in_errors>] [<mgmt_out_errors>] [<mgmt_in_fifo>] [<mgmt_out_fifo>] [<mgmt_in_compressed>] [<mgmt_in_frame>] [<mgmt_in_overrun>] [<mgmt_out_underruns>] [<mgmt_out_collisions>] [<mgmt_out_carrier>] [<mgmt_align_err>] [<mgmt_fcs_err>] [<mgmt_xmit_err>] [<mgmt_rcv_err>] [<mgmt_undersize>] [<mgmt_outdisc>] [<mgmt_single_col>] [<mgmt_multi_col>] [<mgmt_late_col>] [<mgmt_excess_col>] [<mgmt_carri_sen>] [<mgmt_runts>] [<mgmt_giants>] [<mgmt_sqetest_err>] [<mgmt_deferred_tx>] [<mgmt_inmactx_err>] [<mgmt_inmacrx_err>] [<mgmt_symbol_err>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifmgmt_ctr_dtl_all	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
vdc_lvl_in_pkts	(Optional) VDC level input packets
vdc_lvl_in_bytes	(Optional) VDC level input bytes
vdc_lvl_in_ucast	(Optional) VDC level input unicast packets
vdc_lvl_in_mcast	(Optional) VDC level input multicast packets
vdc_lvl_in_bcast	(Optional) VDC level input broadcast packets
vdc_lvl_in_bps	(Optional) VDC level input bytes per second
vdc_lvl_in_pps	(Optional) VDC level input packets per second
vdc_lvl_in_avg_pkts	(Optional) VDC level average input packets
vdc_lvl_in_avg_bytes	(Optional) VDC level average input bytes

vdc_lvl_out_pkts	(Optional) VDC level output packets
vdc_lvl_out_bytes	(Optional) VDC level output bytes
vdc_lvl_out_ucast	(Optional) VDC level output unicast packets
vdc_lvl_out_mcast	(Optional) VDC level output multicast packets
vdc_lvl_out_bcast	(Optional) VDC level output broadcast packets
vdc_lvl_out_bps	(Optional) VDC level output bytes per second
vdc_lvl_out_pps	(Optional) VDC level output packets per second
vdc_lvl_out_avg_pkts	(Optional) VDC level average output packets
vdc_lvl_out_avg_bytes	(Optional) VDC level average output bytes
mgmt_in_pkts	(Optional) Input packets
mgmt_in_bytes	(Optional) Input bytes
mgmt_in_mcast	(Optional) Input multicast frames
mgmt_out_pkts	(Optional) Output packets
mgmt_out_bytes	(Optional) Output bytes
mgmt_in_errors	(Optional) Input errors
mgmt_out_errors	(Optional) Output errors
mgmt_in_fifo	(Optional) Input fifo
mgmt_out_fifo	(Optional) Output fifo
mgmt_in_compressed	(Optional) Input compressed
mgmt_in_frame	(Optional) Input frame errors
mgmt_in_overrun	(Optional) Input overrun
mgmt_out_underruns	(Optional) Output overruns
mgmt_out_collisions	(Optional) Output collisions
mgmt_out_carrier	(Optional) Output carrier errors
mgmt_align_err	(Optional) Align error
mgmt_fcs_err	(Optional) FCS error
mgmt_xmit_err	(Optional) Transmit error
mgmt_rcv_err	(Optional) Receive error
mgmt_undersize	(Optional) Undersize

mgmt_outdisc	(Optional) Out discard
mgmt_single_col	(Optional) Single collision
mgmt_multi_col	(Optional) Multiple collision
mgmt_late_col	(Optional) Late collision
mgmt_excess_col	(Optional) Excess collision
mgmt_carri_sen	(Optional) Carrier sense
mgmt_runts	(Optional) Runts
mgmt_giants	(Optional) Giants
mgmt_sqetest_err	(Optional) SQETest error
mgmt_deferred_tx	(Optional) Deferred tx
mgmt_inmactx_err	(Optional) In MAC tx
mgmt_inmacrx_err	(Optional) In MAC rx
mgmt_symbol_err	(Optional) Symbol error

Command Mode

- /exec

show interface counters detailed all

show interface <ifloop_ctr_dtl_all> counters detailed all [__readonly__ TABLE_interface <interface> [<rx_total_pkts>] [<tx_total_pkts>] [<rx_mcast_pkts>] [<rx_octets>] [<tx_octets>] [<loop_in_pkts>] [<loop_in_bytes>] [<loop_in_mcast>] [<loop_in_compressed>] [<loop_in_errors>] [<loop_in_frame>] [<loop_in_overrun>] [<loop_in_fifo>] [<loop_out_pkts>] [<loop_out_bytes>] [<loop_out_underruns>] [<loop_out_errors>] [<loop_out_collisions>] [<loop_out_fifo>] [<loop_out_carriers>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifloop_ctr_dtl_all	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	Show every interface counter
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
rx_total_pkts	(Optional) total input packets
tx_total_pkts	(Optional) total output packets
rx_mcast_pkts	(Optional) input multicasts
rx_octets	(Optional) input bytes
tx_octets	(Optional) output bytes
loop_in_pkts	(Optional) Input packets
loop_in_bytes	(Optional) Input bytes
loop_in_mcast	(Optional) Input multicast
loop_in_compressed	(Optional) Input compressed
loop_in_errors	(Optional) Input errors
loop_in_frame	(Optional) Input frame errors
loop_in_overrun	(Optional) Input overrun
loop_in_fifo	(Optional) Input fifo
loop_out_pkts	(Optional) Output packets

loop_out_bytes	(Optional) Output bytes
loop_out_underruns	(Optional) Output underruns
loop_out_errors	(Optional) Output errors
loop_out_collisions	(Optional) Output collisions
loop_out_fifo	(Optional) Output fifo
loop_out_carriers	(Optional) Output carrier errors

Command Mode

- /exec

show interface counters detailed all

show interface <ifrange> counters detailed all [snmp] [__readonly__ TABLE_interface <interface> [<svi_routed_pkts_in>] [<svi_routed_bytes_in>] [<svi_routed_pkts_out>] [<svi_routed_bytes_out>] [<svi_ucast_pkts_in>] [<svi_ucast_bytes_in>] [<svi_mcast_pkts_in>] [<svi_mcast_bytes_in>] [<svi_ucast_pkts_out>] [<svi_ucast_bytes_out>] [<svi_mcast_pkts_out>] [<svi_mcast_bytes_out>] [<svi_ipv4_ucast_pkts_in>] [<svi_ipv4_ucast_bytes_in>] [<svi_ipv4_ucast_pkts_out>] [<svi_ipv4_ucast_bytes_out>] [<svi_ipv4_mcast_pkts_in>] [<svi_ipv4_mcast_bytes_in>] [<svi_ipv4_mcast_pkts_out>] [<svi_ipv4_mcast_bytes_out>] [<svi_ipv6_ucast_pkts_in>] [<svi_ipv6_ucast_bytes_in>] [<svi_ipv6_ucast_pkts_out>] [<svi_ipv6_ucast_bytes_out>] [<svi_ipv6_mcast_pkts_in>] [<svi_ipv6_mcast_bytes_in>] [<svi_ipv6_mcast_pkts_out>] [<svi_ipv6_mcast_bytes_out>] [<svi_average_input_bits>] [<svi_average_input_packets>] [<svi_average_output_bits>] [<svi_average_output_packets>] [<svi_rate_in_mins>] [<svi_time_last_cleared>] [<svi_tx_load>] [<svi_rx_load>] [<svi_reliability>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
svi_time_last_cleared	(Optional) Time last cleared
svi_tx_load	(Optional) Tx Load
svi_rx_load	(Optional) Rx Load
svi_reliability	(Optional) Reliability

Command Mode

- /exec

show interface counters detailed all

show interface <ifeth_ctr_dtl_all> counters detailed all [snmp] [__readonly__ TABLE_interface <interface> [<rx_total_pkts>] [<tx_total_pkts>] [<rx_ucast_pkts>] [<rx_mcast_pkts>] [<rx_bcast_pkts>] [<rx_octets>] [<tx_ucast_pkts>] [<tx_mcast_pkts>] [<tx_bcast_pkts>] [<tx_octets>] [<rxtx_pkts_64octets>] [<rxtx_pkts_65_127octets>] [<rxtx_pkts_128_255octets>] [<rxtx_pkts_256_511octets>] [<rxtx_pkts_512_1023octets>] [<rxtx_pkts_1024_1518octets>] [<rxtx_pkts_1519_1548octets>] [<rx_trunk_frames>] [<tx_trunk_frames>] [<rx_drop_events>] [<rxtx_giants>] [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_l3avg2_inbytes>] [<eth_l3avg2_inpkts>] [<eth_l3avg2_outbytes>] [<eth_l3avg2_outpkts>] [<eth_l3avg3_inbytes>] [<eth_l3avg3_inpkts>] [<eth_l3avg3_outbytes>] [<eth_l3avg3_outpkts>] [<eth_inpkts>] [<eth_inbytes>] [<eth_nobuf>] [<eth_inbcast>] [<eth_inmcast>] [<eth_inucast>] [<eth_ingiants>] [<eth_ipmcast>] [<eth_inhw_switched>] [<eth_insw_switched>] [<eth_runts>] [<eth_storm_supp>] [<eth_throtles>] [<eth_inerr>] [<eth_crc>] [<eth_ecc>] [<eth_frame>] [<eth_overrun>] [<eth_ignored>] [<eth_watchdog>] [<eth_outbcast>] [<eth_outmcast>] [<eth_outucast>] [<eth_outgiants>] [<eth_inpause>] [<eth_dribble>] [<eth_in_ifdown_drops>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_outpkts>] [<eth_outbytes>] [<eth_underrun>] [<eth_outhw_switched>] [<eth_outsw_switched>] [<eth_outerr>] [<eth_coll>] [<eth_resets>] [<eth_babbles>] [<eth_latecoll>] [<eth_deferred>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_outpause>] [<eth_buffail>] [<eth_bufswapped>] [<eth_arpdrops>] [<eth_out_ifdown_drops>] [<eth_single_coll>] [<eth_multi_coll>] [<eth_excess_coll>] [<eth_jabbers>] [<eth_shortframe>] [<eth_indiscard>] [<eth_bad_encap>] [<eth_outcrc>] [<eth_symbol>] [<eth_out_drops>] [<eth_sqetest>] [<eth_inb64>] [<eth_inb65_127>] [<eth_inb128_255>] [<eth_inb256_511>] [<eth_inb512_1023>] [<eth_inb1024_1518>] [<eth_inb1519_1548>] [<eth_intrunk>] [<eth_outb64>] [<eth_outb65_127>] [<eth_outb128_255>] [<eth_outb256_511>] [<eth_outb512_1023>] [<eth_outb1024_1518>] [<eth_outb1519_1548>] [<eth_outtrunk>] [<eth_bpdu_outlost>] [<eth_cos0_outlost>] [<eth_cos1_outlost>] [<eth_cos2_outlost>] [<eth_cos3_outlost>] [<eth_cos4_outlost>] [<eth_cos5_outlost>] [<eth_cos6_outlost>] [<eth_cos7_outlost>] [<eth_fcoe_in_pkts>] [<eth_fcoe_in_octets>] [<eth_fcoe_out_pkts>] [<eth_fcoe_out_octets>] [<eth_nfcoe_in_pkts>] [<eth_nfcoe_in_octets>] [<eth_nfcoe_out_pkts>] [<eth_nfcoe_out_octets>] [<eth_eee_atx_lpi_msec>] [<eth_eee_arcv_lpi_msec>] [<eth_eee_atx_lpi_transitions>] [<eth_eee_arcv_lpi_transitions>] [<eth_phy_ber_count>] [<eth_phy_errblks_count>]]

Syntax Description

show	Show running system information

interface	Show interface status and information
ifeth_ctr_dtl_all	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
all	everything
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
rx_total_pkts	(Optional) total input packets
tx_total_pkts	(Optional) total output packets
rx_ucast_pkts	(Optional) input unicasts
rx_mcast_pkts	(Optional) input multicasts
rx_bcast_pkts	(Optional) input broadcasts
rx_octets	(Optional) input bytes
tx_ucast_pkts	(Optional) output unicasts
tx_mcast_pkts	(Optional) output multicasts
tx_bcast_pkts	(Optional) output broadcasts
tx_octets	(Optional) output bytes
rxtx_pkts_64octets	(Optional) all pkts between 0 and 64 bytes
rxtx_pkts_65_127octets	(Optional) all pkts between 65 and 127 bytes
rxtx_pkts_128_255octets	(Optional) all pkts between 128 and 255 bytes
rxtx_pkts_256_511octets	(Optional) all pkts between 256 and 511 bytes
rxtx_pkts_512_1023octets	(Optional) all pkts between 512 and 1023 bytes
rxtx_pkts_1024_1518octets	(Optional) all pkts between 1024 and 1518 bytes
rxtx_pkts_1519_1548octets	(Optional) all pkts between 1519 and 1548 bytes
rx_trunk_frames	(Optional) input trunk pkts
tx_trunk_frames	(Optional) output trunk pkts
rx_drop_events	(Optional) dropped pkts

rxtx_giants	(Optional) giants
eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec
eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec
eth_load_interval2_tx	(Optional) interval 2 timer value in sec
eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec
eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary
eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary

eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary
eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) IPv4 L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) IPv4 L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) IPv4 L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) IPv4 L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes
eth_l3out_ucastpkts	(Optional) IPv4 L3 out switched ucast pkts
eth_l3out_ucastbytes	(Optional) IPv4 L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) IPv4 L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) IPv4 L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes
eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes
eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_l3avg2_inbytes	(Optional) Load interval 2 L3 average in switched bytes

eth_l3avg2_inpkts	(Optional) Load interval 2 L3 average in switched pkts
eth_l3avg2_outbytes	(Optional) Load interval 2 L3 average out switched bytes
eth_l3avg2_outpkts	(Optional) Load interval 2 L3 average out switched pkts
eth_l3avg3_inbytes	(Optional) Load interval 3 L3 average in switched bytes
eth_l3avg3_inpkts	(Optional) Load interval 3 L3 average in switched pkts
eth_l3avg3_outbytes	(Optional) Load interval 3 L3 average out switched bytes
eth_l3avg3_outpkts	(Optional) Load interval 3 L3 average out switched pkts
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_nobuf	(Optional) No buffer received
eth_inbcast	(Optional) Broadcasts
eth_inmcast	(Optional) Multicasts
eth_inucast	(Optional) Unicasts
eth_ingiants	(Optional) giants
eth_ipmcast	(Optional) IP multicast
eth_inhw_switched	(Optional) Input H/W Switched
eth_insw_switched	(Optional) Input S/W Switched
eth_runts	(Optional) runts
eth_storm_supp	(Optional) storm suppression
eth_throtles	(Optional) throttles
eth_inerr	(Optional) input errors
eth_crc	(Optional) CRC
eth_ecc	(Optional) ECC
eth_frame	(Optional) frame
eth_overrun	(Optional) overrun
eth_ignored	(Optional) ignored
eth_watchdog	(Optional) watchdog
eth_outbcast	(Optional) Broadcasts
eth_outmcast	(Optional) Multicasts

eth_outucast	(Optional) Unicasts
eth_outgiants	(Optional) giants
eth_inpause	(Optional) pause input
eth_dribble	(Optional) input packets with dribble condition
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_outpkts	(Optional) packets output
eth_outbytes	(Optional) bytes output
eth_underrun	(Optional) underruns
eth_outhw_switched	(Optional) Out H/W Switched
eth_outsw_switched	(Optional) Out S/W Switched
eth_outerr	(Optional) output errors
eth_coll	(Optional) collisions
eth_resets	(Optional) interface resets
eth_babbles	(Optional) babbles
eth_latecoll	(Optional) late collision
eth_deferred	(Optional) deferred
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_outpause	(Optional) PAUSE output
eth_buffail	(Optional) output buffer failures
eth_bufswapped	(Optional) output buffers swapped out
eth_arpdrops	(Optional) arp drops
eth_out_ifdown_drops	(Optional) Output if-down drops
eth_single_coll	(Optional) single collisions
eth_multi_coll	(Optional) multi collisions
eth_excess_coll	(Optional) excessive collisions
eth_jabbers	(Optional) jabbers

eth_shortframe	(Optional) short frames
eth_indiscard	(Optional) discards
eth_bad_encap	(Optional) bad encapsulation
eth_outcrc	(Optional) Output CRC
eth_symbol	(Optional) symbol errors
eth_out_drops	(Optional) output drops
eth_sqetest	(Optional) SQE test
eth_inb64	(Optional) input pkts between 0 and 64 bytes
eth_inb65_127	(Optional) input pkts between 65 and 127 bytes
eth_inb128_255	(Optional) input pkts between 128 and 255 bytes
eth_inb256_511	(Optional) input pkts between 256 and 511 bytes
eth_inb512_1023	(Optional) input pkts between 512 and 1023 bytes
eth_inb1024_1518	(Optional) input pkts between 1024 and 1518 bytes
eth_inb1519_1548	(Optional) input pkts between 1519 and 1548 bytes
eth_intrunk	(Optional) input trunk pkts
eth_outb64	(Optional) output pkts between 0 and 64 bytes
eth_outb65_127	(Optional) output pkts between 65 and 127 bytes
eth_outb128_255	(Optional) output pkts between 128 and 255 bytes
eth_outb256_511	(Optional) output pkts between 256 and 511 bytes
eth_outb512_1023	(Optional) output pkts between 512 and 1023 bytes
eth_outb1024_1518	(Optional) output pkts between 1024 and 1518 bytes
eth_outb1519_1548	(Optional) output pkts between 1519 and 1548 bytes
eth_outtrunk	(Optional) output trunk pkts
eth_bpdu_outlost	(Optional) BPDU output lost
eth_cos0_outlost	(Optional) output pkts
eth_cos1_outlost	(Optional) output pkts
eth_cos2_outlost	(Optional) output pkts
eth_cos3_outlost	(Optional) output pkts
eth_cos4_outlost	(Optional) output pkts

eth_cos5_outlost	(Optional) output pkts
eth_cos6_outlost	(Optional) output pkts
eth_cos7_outlost	(Optional) output pkts
eth_fcoe_in_pkts	(Optional) fcoe in pkts
eth_fcoe_in_octets	(Optional) fcoe in octets
eth_fcoe_out_pkts	(Optional) fcoe out pkts
eth_fcoe_out_octets	(Optional) fcoe out octets
eth_nfcoe_in_pkts	(Optional) nfcoe in pkts
eth_nfcoe_in_octets	(Optional) nfcoe in octets
eth_nfcoe_out_pkts	(Optional) nfcoe out pkts
eth_nfcoe_out_octets	(Optional) nfcoe out octets
eth_eee_atx_lpi_msec	(Optional) Tx Lpi usec
eth_eee_arcv_lpi_msec	(Optional) Rx Lpi usec
eth_eee_atx_lpi_transitions	(Optional) Tx Lpi requests
eth_eee_arcv_lpi_transitions	(Optional) Rx Lpi indications
eth_phy_ber_count	(Optional) Bit error rate counter
eth_phy_errblks_count	(Optional) Errored blocks counter

Command Mode

- /exec

show interface counters detailed cached

show interface <ifeth_ctr_dtl_all> counters detailed cached [__readonly__ TABLE_interface <interface> [<rx_total_pkts>] [<tx_total_pkts>] [<rx_ucast_pkts>] [<rx_mcast_pkts>] [<rx_bcast_pkts>] [<rx_octets>] [<tx_ucast_pkts>] [<tx_mcast_pkts>] [<tx_bcast_pkts>] [<tx_octets>] [<rxtx_pkts_64octets>] [<rxtx_pkts_65_127octets>] [<rxtx_pkts_128_255octets>] [<rxtx_pkts_256_511octets>] [<rxtx_pkts_512_1023octets>] [<rxtx_pkts_1024_1518octets>] [<rxtx_pkts_1519_1548octets>] [<rx_trunk_frames>] [<tx_trunk_frames>] [<rx_drop_events>] [<rxtx_giants>] [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_l3avg2_inbytes>] [<eth_l3avg2_inpkts>] [<eth_l3avg2_outbytes>] [<eth_l3avg2_outpkts>] [<eth_l3avg3_inbytes>] [<eth_l3avg3_inpkts>] [<eth_l3avg3_outbytes>] [<eth_l3avg3_outpkts>] [<eth_inpkts>] [<eth_inbytes>] [<eth_nobuf>] [<eth_inbcast>] [<eth_inmcast>] [<eth_inucast>] [<eth_ingiants>] [<eth_ipmcast>] [<eth_inhw_switched>] [<eth_insw_switched>] [<eth_runts>] [<eth_storm_supp>] [<eth_throtles>] [<eth_inerr>] [<eth_crc>] [<eth_ecc>] [<eth_frame>] [<eth_overrun>] [<eth_ignored>] [<eth_watchdog>] [<eth_outbcast>] [<eth_outmcast>] [<eth_outucast>] [<eth_outgiants>] [<eth_inpause>] [<eth_dribble>] [<eth_in_ifdown_drops>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_outpkts>] [<eth_outbytes>] [<eth_underrun>] [<eth_outhw_switched>] [<eth_outsw_switched>] [<eth_outerr>] [<eth_coll>] [<eth_resets>] [<eth_babbles>] [<eth_latecoll>] [<eth_deferred>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_outpause>] [<eth_buffail>] [<eth_bufswapped>] [<eth_arpdrops>] [<eth_out_ifdown_drops>] [<eth_single_coll>] [<eth_multi_coll>] [<eth_excess_coll>] [<eth_jabbers>] [<eth_shortframe>] [<eth_indiscard>] [<eth_bad_encap>] [<eth_outcrc>] [<eth_symbol>] [<eth_out_drops>] [<eth_sqetest>] [<eth_inb64>] [<eth_inb65_127>] [<eth_inb128_255>] [<eth_inb256_511>] [<eth_inb512_1023>] [<eth_inb1024_1518>] [<eth_inb1519_1548>] [<eth_intrunk>] [<eth_outb64>] [<eth_outb65_127>] [<eth_outb128_255>] [<eth_outb256_511>] [<eth_outb512_1023>] [<eth_outb1024_1518>] [<eth_outb1519_1548>] [<eth_outtrunk>] [<eth_bpdu_outlost>] [<eth_cos0_outlost>] [<eth_cos1_outlost>] [<eth_cos2_outlost>] [<eth_cos3_outlost>] [<eth_cos4_outlost>] [<eth_cos5_outlost>] [<eth_cos6_outlost>] [<eth_cos7_outlost>] [<eth_fcoe_in_pkts>] [<eth_fcoe_in_octets>] [<eth_fcoe_out_pkts>] [<eth_fcoe_out_octets>] [<eth_nfcoe_in_pkts>] [<eth_nfcoe_in_octets>] [<eth_nfcoe_out_pkts>] [<eth_nfcoe_out_octets>] [<eth_eee_atx_lpi_msec>] [<eth_eee_arcv_lpi_msec>] [<eth_eee_atx_lpi_transitions>] [<eth_eee_arcv_lpi_transitions>] [<eth_phy_ber_count>] [<eth_phy_errblks_count>]]

Syntax Description

show	Show running system information

interface	Show interface status and information
ifeth_ctr_dtl_all	Enter interface type and number in module/slot format
counters	Show interface counters
detailed	Show only non-zero counters
cached	everything cached
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
rx_total_pkts	(Optional) total input packets
tx_total_pkts	(Optional) total output packets
rx_ucast_pkts	(Optional) input unicasts
rx_mcast_pkts	(Optional) input multicasts
rx_bcast_pkts	(Optional) input broadcasts
rx_octets	(Optional) input bytes
tx_ucast_pkts	(Optional) output unicasts
tx_mcast_pkts	(Optional) output multicasts
tx_bcast_pkts	(Optional) output broadcasts
tx_octets	(Optional) output bytes
rxtx_pkts_64octets	(Optional) all pkts between 0 and 64 bytes
rxtx_pkts_65_127octets	(Optional) all pkts between 65 and 127 bytes
rxtx_pkts_128_255octets	(Optional) all pkts between 128 and 255 bytes
rxtx_pkts_256_511octets	(Optional) all pkts between 256 and 511 bytes
rxtx_pkts_512_1023octets	(Optional) all pkts between 512 and 1023 bytes
rxtx_pkts_1024_1518octets	(Optional) all pkts between 1024 and 1518 bytes
rxtx_pkts_1519_1548octets	(Optional) all pkts between 1519 and 1548 bytes
rx_trunk_frames	(Optional) input trunk pkts
tx_trunk_frames	(Optional) output trunk pkts
rx_drop_events	(Optional) dropped pkts
rxtx_giants	(Optional) giants

eth_load_interval1_rx	(Optional) interval 1 timer value in sec
eth_inrate1_bits	(Optional) interval 1 input rate bits/sec
eth_inrate1_pkts	(Optional) interval 1 input rate pkts/sec
eth_load_interval1_tx	(Optional) interval 1 timer value in sec
eth_outrate1_bits	(Optional) interval 1 output rate bits/sec
eth_outrate1_pkts	(Optional) interval 1 output rate pkts/sec
eth_inrate1_summary_bits	(Optional) interval 1 input rate bit summary
eth_inrate1_summary_pkts	(Optional) interval 1 input rate pkt summary
eth_outrate1_summary_bits	(Optional) interval 1 output rate bit summary
eth_outrate1_summary_pkts	(Optional) interval 1 output rate pkt summary
eth_load_interval2_rx	(Optional) interval 2 timer value in sec
eth_inrate2_bits	(Optional) interval 2 input rate bits/sec
eth_inrate2_pkts	(Optional) interval 2 input rate pkts/sec
eth_load_interval2_tx	(Optional) interval 2 timer value in sec
eth_outrate2_bits	(Optional) interval 2 output rate bits/sec
eth_outrate2_pkts	(Optional) interval 2 output rate pkts/sec
eth_inrate2_summary_bits	(Optional) interval 2 input rate bit summary
eth_inrate2_summary_pkts	(Optional) interval 2 input rate pkt summary
eth_outrate2_summary_bits	(Optional) interval 2 output rate bit summary
eth_outrate2_summary_pkts	(Optional) interval 2 output rate pkt summary
eth_load_interval3_rx	(Optional) interval 3 timer value in sec
eth_inrate3_bits	(Optional) interval 3 input rate bits/sec
eth_inrate3_pkts	(Optional) interval 3 input rate pkts/sec
eth_load_interval3_tx	(Optional) interval 3 timer value in sec
eth_outrate3_bits	(Optional) interval 3 output rate bits/sec
eth_outrate3_pkts	(Optional) interval 3 output rate pkts/sec
eth_inrate3_summary_bits	(Optional) interval 3 input rate bit summary
eth_inrate3_summary_pkts	(Optional) interval 3 input rate pkt summary
eth_outrate3_summary_bits	(Optional) interval 3 output rate bit summary

eth_outrate3_summary_pkts	(Optional) interval 3 output rate pkt summary
eth_l2_ucastpkts	(Optional) L2 switched ucast pkts
eth_l2_ucastbytes	(Optional) L2 switched ucast bytes
eth_l2_mcastpkts	(Optional) L2 switched mcast pkts
eth_l2_mcastbytes	(Optional) L2 switched mcast bytes
eth_l2_bcastpkts	(Optional) L2 switched bcast pkts
eth_l2_bcastbytes	(Optional) L2 switched bcast bytes
eth_l3in_ucastpkts	(Optional) IPv4 L3 in switched ucast pkts
eth_l3in_ucastbytes	(Optional) IPv4 L3 in switched ucast bytes
eth_l3in_mcastpkts	(Optional) IPv4 L3 in switched mcast pkts
eth_l3in_mcastbytes	(Optional) IPv4 L3 in switched mcast bytes
eth_l3in_bcastpkts	(Optional) L3 in switched bcast pkts
eth_l3in_bcastbytes	(Optional) L3 in switched bcast bytes
eth_l3out_ucastpkts	(Optional) IPv4 L3 out switched ucast pkts
eth_l3out_ucastbytes	(Optional) IPv4 L3 out switched ucast bytes
eth_l3out_mcastpkts	(Optional) IPv4 L3 out switched mcast pkts
eth_l3out_mcastbytes	(Optional) IPv4 L3 out switched mcast bytes
eth_l3out_bcastpkts	(Optional) L3 out switched bcast pkts
eth_l3out_bcastbytes	(Optional) L3 out switched bcast bytes
eth_l3in_routed_pkts	(Optional) L3 in routed pkts
eth_l3in_routed_bytes	(Optional) L3 in routed bytes
eth_l3out_routed_pkts	(Optional) L3 out routed pkts
eth_l3out_routed_bytes	(Optional) L3 out routed bytes
eth_l3avg1_inbytes	(Optional) Load interval 1 L3 average in switched bytes
eth_l3avg1_inpkts	(Optional) Load interval 1 L3 average in switched pkts
eth_l3avg1_outbytes	(Optional) Load interval 1 L3 average out switched bytes
eth_l3avg1_outpkts	(Optional) Load interval 1 L3 average out switched pkts
eth_l3avg2_inbytes	(Optional) Load interval 2 L3 average in switched bytes
eth_l3avg2_inpkts	(Optional) Load interval 2 L3 average in switched pkts

eth_l3avg2_outbytes	(Optional) Load interval 2 L3 average out switched bytes
eth_l3avg2_outpkts	(Optional) Load interval 2 L3 average out switched pkts
eth_l3avg3_inbytes	(Optional) Load interval 3 L3 average in switched bytes
eth_l3avg3_inpkts	(Optional) Load interval 3 L3 average in switched pkts
eth_l3avg3_outbytes	(Optional) Load interval 3 L3 average out switched bytes
eth_l3avg3_outpkts	(Optional) Load interval 3 L3 average out switched pkts
eth_inpkts	(Optional) Packets input
eth_inbytes	(Optional) Bytes input
eth_nobuf	(Optional) No buffer received
eth_inbcast	(Optional) Broadcasts
eth_inmcast	(Optional) Multicasts
eth_inucast	(Optional) Unicasts
eth_ingiants	(Optional) giants
eth_ipmcast	(Optional) IP multicast
eth_inhw_switched	(Optional) Input H/W Switched
eth_insw_switched	(Optional) Input S/W Switched
eth_runts	(Optional) runts
eth_storm_supp	(Optional) storm suppression
eth_throtles	(Optional) throttles
eth_inerr	(Optional) input errors
eth_crc	(Optional) CRC
eth_ecc	(Optional) ECC
eth_frame	(Optional) frame
eth_overrun	(Optional) overrun
eth_ignored	(Optional) ignored
eth_watchdog	(Optional) watchdog
eth_outbcast	(Optional) Broadcasts
eth_outmcast	(Optional) Multicasts
eth_outucast	(Optional) Unicasts

eth_outgiants	(Optional) giants
eth_inpause	(Optional) pause input
eth_dribble	(Optional) input packets with dribble condition
eth_in_ifdown_drops	(Optional) Input if-down drops
eth_bad_eth	(Optional) bad ether type drop
eth_bad_proto	(Optional) bad protocol drops
eth_outpkts	(Optional) packets output
eth_outbytes	(Optional) bytes output
eth_underrun	(Optional) underruns
eth_outhw_switched	(Optional) Out H/W Switched
eth_outsw_switched	(Optional) Out S/W Switched
eth_outerr	(Optional) output errors
eth_coll	(Optional) collisions
eth_resets	(Optional) interface resets
eth_babbles	(Optional) babbles
eth_latecoll	(Optional) late collision
eth_deferred	(Optional) deferred
eth_lostcarrier	(Optional) lost carrier
eth_nocarrier	(Optional) no carrier
eth_outpause	(Optional) PAUSE output
eth_buffail	(Optional) output buffer failures
eth_bufswapped	(Optional) output buffers swapped out
eth_arpdrops	(Optional) arp drops
eth_out_ifdown_drops	(Optional) Output if-down drops
eth_single_coll	(Optional) single collisions
eth_multi_coll	(Optional) multi collisions
eth_excess_coll	(Optional) excessive collisions
eth_jabbers	(Optional) jabbers
eth_shortframe	(Optional) short frames

eth_indiscard	(Optional) discards
eth_bad_encap	(Optional) bad encapsulation
eth_outcrc	(Optional) Output CRC
eth_symbol	(Optional) symbol errors
eth_out_drops	(Optional) output drops
eth_sqetest	(Optional) SQE test
eth_inb64	(Optional) input pkts between 0 and 64 bytes
eth_inb65_127	(Optional) input pkts between 65 and 127 bytes
eth_inb128_255	(Optional) input pkts between 128 and 255 bytes
eth_inb256_511	(Optional) input pkts between 256 and 511 bytes
eth_inb512_1023	(Optional) input pkts between 512 and 1023 bytes
eth_inb1024_1518	(Optional) input pkts between 1024 and 1518 bytes
eth_inb1519_1548	(Optional) input pkts between 1519 and 1548 bytes
eth_intrunk	(Optional) input trunk pkts
eth_outb64	(Optional) output pkts between 0 and 64 bytes
eth_outb65_127	(Optional) output pkts between 65 and 127 bytes
eth_outb128_255	(Optional) output pkts between 128 and 255 bytes
eth_outb256_511	(Optional) output pkts between 256 and 511 bytes
eth_outb512_1023	(Optional) output pkts between 512 and 1023 bytes
eth_outb1024_1518	(Optional) output pkts between 1024 and 1518 bytes
eth_outb1519_1548	(Optional) output pkts between 1519 and 1548 bytes
eth_outtrunk	(Optional) output trunk pkts
eth_bpdu_outlost	(Optional) BPDU output lost
eth_cos0_outlost	(Optional) output pkts
eth_cos1_outlost	(Optional) output pkts
eth_cos2_outlost	(Optional) output pkts
eth_cos3_outlost	(Optional) output pkts
eth_cos4_outlost	(Optional) output pkts
eth_cos5_outlost	(Optional) output pkts

eth_cos6_outlost	(Optional) output pkts
eth_cos7_outlost	(Optional) output pkts
eth_fcoe_in_pkts	(Optional) fcoe in pkts
eth_fcoe_in_octets	(Optional) fcoe in octets
eth_fcoe_out_pkts	(Optional) fcoe out pkts
eth_fcoe_out_octets	(Optional) fcoe out octets
eth_nfcoe_in_pkts	(Optional) nfcoe in pkts
eth_nfcoe_in_octets	(Optional) nfcoe in octets
eth_nfcoe_out_pkts	(Optional) nfcoe out pkts
eth_nfcoe_out_octets	(Optional) nfcoe out octets
eth_eee_atx_lpi_msec	(Optional) Tx Lpi usec
eth_eee_arcv_lpi_msec	(Optional) Rx Lpi usec
eth_eee_atx_lpi_transitions	(Optional) Tx Lpi requests
eth_eee_arcv_lpi_transitions	(Optional) Rx Lpi indications
eth_phy_ber_count	(Optional) Bit error rate counter
eth_phy_errblks_count	(Optional) Errored blocks counter

Command Mode

- /exec

show interface counters details

show interface <ifid_ctrs_det> counters details [__readonly__ TABLE_interface <interface> [<fcoe_in_pkts>] [<fcoe_in_octets>] [<fcoe_out_pkts>] [<fcoe_out_octets>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_ctrs_det	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
fcoe_in_pkts	(Optional) fcoe in pkts
fcoe_in_octets	(Optional) fcoe in octets
fcoe_out_pkts	(Optional) fcoe out pkts
fcoe_out_octets	(Optional) fcoe out octets

Command Mode

- /exec

show interface counters details

show interface <ifid_ctrs_det2> counters details [__readonly__ TABLE_ifid_counters [<sfp> <in_frames> <in_bytes> <class_2_frames> <class_2_in_bytes> <class_2_in_discards> <class_2_in_f_bsy_frames> <class_2_in_f_rgt_frames> <class_2_in_port_reject_frames> <class_3_frames> <class_3_bytes_recv> <class_f_frames> <class_f_bytes_recv> <class_f_in_discards> <class_f_errors_recvd> <class_f_out_discards> <class_f_errors_trans> <out_frames> <out_bytes> <class_2_out_frames> <class_2_bytes_trans> <class_3_out_frames> <class_3_bytes_trans> <class_3_out_discards> <class_f_out_frames> <class_f_bytes_trans> <class_f_discards> <muticast_rcvd> <multicast_trans> <broadcast_rcvd> <broadcast_trans> <unicast_rcvd> <unicast_trans> <timeout_discards> <credit_loss> <link_faliures> <sync_loss> <signal_loss> <prm_seq_pro_err> <inv_trans_err> <inv_crc> <delim_err> <addr_iden_err> <link_reset_rcvd> <link_reset_trans> <off_seq_err_rcvd> <off_seq_err_trans> <frames_rcvd_short> <frames_rcvd_long> <txwait> <frames_rcvd_greater> <frame_rcvd_short_header> <link_reset_resp_rcvd> <link_reset_resp_trans> <non_oper_seq_rcvd> <non_oper_seq_trans> <frag_frames_rcvd> <frames_eof_abort> <unknown_class_frames_rcvd> <8b10b_disparity_err> <frames_discard> <ex_link_param_sw_fab> [<in_link_ser_req_faliures>] <b2b_credits_transmit> <b2b_credits_receive> <eisl_frames> <framing_err> <f8_lip_seq_err_rcvd> <f8_lip_seq_err_issued> <non_f8_lip_seq_err_rcvd> <non_f8_lip_seq_err_issued> [<fec_corrected>] [<fec_uncorrected>]]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_ctrs_det2	Enter interface type and number in module/slot format
counters	Show interface counters
details	Show interface counters in detail
__readonly__	(Optional)
TABLE_ifid_counters	(Optional) show interface counters
sfp	(Optional) SFP
in_frames	(Optional) in frames
in_bytes	(Optional) in bytes
class_2_frames	(Optional) Class 2 frames
class_2_in_bytes	(Optional) Class 2 bytes received
class_2_in_discards	(Optional) Class 2 discards received
class_2_in_f_bsy_frames	(Optional) Class 2 F_BSY frames received
class_2_in_f_rgt_frames	(Optional) Class 2 F_RGT frames
class_2_in_port_reject_frames	(Optional) Class 2 port reject frames
class_3_frames	(Optional) Class 3 frames

class_3_bytes_recv	(Optional) Class 3 bytes received
class_f_frames	(Optional) Class f frames
class_f_bytes_recv	(Optional) Class F bytes received
class_f_in_discards	(Optional) Class F in discards
class_f_errors_recvd	(Optional) Class F errors received
class_f_out_discards	(Optional) Class F out discards
class_f_errors_trans	(Optional) Class F errors transmitted
out_frames	(Optional) Out frames
out_bytes	(Optional) Out bytes
class_2_out_frames	(Optional) Class 2 frames transmitted
class_2_bytes_trans	(Optional) Class 2 bytes transmitted
class_3_out_frames	(Optional) Class 3 frames transmitted
class_3_bytes_trans	(Optional) Class 3 bytes transmitted
class_3_out_discards	(Optional) Class 3 out discards
class_f_out_frames	(Optional) Class F out frames
class_f_bytes_trans	(Optional) Class F bytes transmitted
class_f_discards	(Optional) Class F discards
muticast_rcvd	(Optional) Multicast received
multicast_trans	(Optional) Muticast transmitted
broadcast_rcvd	(Optional) Broadcast received
broadcast_trans	(Optional) Broadcast transmitted
unicast_rcvd	(Optional) Unicast received
unicast_trans	(Optional) Unicast transmitted
timeout_discards	(Optional) timeout discards
credit_loss	(Optional) credit loss
link_faliures	(Optional) Link faliures
sync_loss	(Optional) Sync Loss
signal_loss	(Optional) Signal Loss
prm_seq_pro_err	(Optional) primitive sequence protocol errors

inv_trans_err	(Optional) invaid transmission errors
inv_crc	(Optional) Invalid crc
delim_err	(Optional) Delimiter Errors
addr_iden_err	(Optional) Address Identification errors
link_reset_rcvd	(Optional) link reset received
link_reset_trans	(Optional) link reset transmitted
off_seq_err_rcvd	(Optional) Offine sequence error received
off_seq_err_trans	(Optional) Offline sequence Error transmitted
frames_rcvd_short	(Optional) frames received that are shorter than the minimum allowable frame length regardless of the CRC/FCS error
frames_rcvd_long	(Optional) frames received that are longer than the minimum allowable frame length regardless of the CRC/FCS error
txwait	(Optional) TXwait
frames_rcvd_greater	(Optional) frames received with length greater than what was agreed to in FLOGI/PLOGI
frame_rcvd_short_header	(Optional) frames received with length less than the minimum indicated by the frame header
link_reset_resp_rcvd	(Optional) Link reset responses received
link_reset_resp_trans	(Optional) Link reset responses transmitted
non_oper_seq_rcvd	(Optional) Non operational sequence received
non_oper_seq_trans	(Optional) Non operational sequence transmitted
frag_frames_rcvd	(Optional) fragmented frames received
frames_eof_abort	(Optional) frames EOF abort
unknown_class_frames_rcvd	(Optional) unknown class frames received
8b10b_disparity_err	(Optional) 8b10b disparity errors
frames_discard	(Optional) frames discard
ex_link_param_sw_fab	(Optional) external link parameters switch fabric
in_link_ser_req_faliures	(Optional) internal link serial request faliures
b2b_credits_transmit	(Optional) B2B credits transmit
b2b_credits_receive	(Optional) B2B credits receive

eisl_frames	(Optional) EISL frames
framing_err	(Optional) Framing Error
f8_lip_seq_err_rcvd	(Optional) f8 LIP sequence error received
f8_lip_seq_err_issued	(Optional) f8 LIP sequence error issued
non_f8_lip_seq_err_rcvd	(Optional) non f8 LIP sequence error received
non_f8_lip_seq_err_issued	(Optional) non f8 LIP sequence error issued
fec_corrected	(Optional) fec corrected blocks
fec_uncorrected	(Optional) fec uncorrected blocks

Command Mode

- /exec

show interface counters errors

show interface counters errors [module <module>] [non-zero] [__readonly__ TABLE_interface <interface> [<eth_align_err>] [<eth_fcs_err>] [<eth_xmit_err>] [<eth_rcv_err>] [<eth_undersize>] [<eth_outdisc>] [<eth_single_col>] [<eth_multi_col>] [<eth_late_col>] [<eth_excess_col>] [<eth_carri_sen>] [<eth_runts>] [<eth_giants>] [<eth_sqetest_err>] [<eth_deferred_tx>] [<eth_inmactx_err>] [<eth_inmacrx_err>] [<eth_symbol_err>] [<eth_indisc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
errors	Show interface error counters
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number
non-zero	(Optional) Display only the non-zero error values
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
eth_align_err	(Optional) Align error
eth_fcs_err	(Optional) FCS error
eth_xmit_err	(Optional) Transmit error
eth_rcv_err	(Optional) Receive error
eth_undersize	(Optional) Undersize
eth_outdisc	(Optional) Out discard
eth_single_col	(Optional) Single collision
eth_multi_col	(Optional) Multiple collision
eth_late_col	(Optional) Late collision
eth_excess_col	(Optional) Excess collision
eth_carri_sen	(Optional) Carrier sense
eth_runts	(Optional) Runts
eth_giants	(Optional) Giants

eth_sqetest_err	(Optional) SQETest error
eth_deferred_tx	(Optional) Deferred tx
eth_inmactx_err	(Optional) In MAC tx
eth_inmacrx_err	(Optional) In MAC rx
eth_symbol_err	(Optional) Symbol error
eth_indisc	(Optional) In discards

Command Mode

- /exec

show interface counters errors

show interface <ifeth_ctr_errs> counters errors [snmp] [__readonly__ TABLE_interface <interface> [<eth_align_err>] [<eth_fcs_err>] [<eth_xmit_err>] [<eth_rcv_err>] [<eth_undersize>] [<eth_outdisc>] [<eth_single_col>] [<eth_multi_col>] [<eth_late_col>] [<eth_excess_col>] [<eth_carri_sen>] [<eth_runts>] [<eth_giants>] [<eth_sqetest_err>] [<eth_deferred_tx>] [<eth_inmactx_err>] [<eth_inmacrx_err>] [<eth_symbol_err>] [<eth_indisc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_ctr_errs	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters
snmp	(Optional) Show SNMP MIB values
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
eth_align_err	(Optional) Align error
eth_fcs_err	(Optional) FCS error
eth_xmit_err	(Optional) Transmit error
eth_rcv_err	(Optional) Receive error
eth_undersize	(Optional) Undersize
eth_outdisc	(Optional) Out discard
eth_single_col	(Optional) Single collision
eth_multi_col	(Optional) Multiple collision
eth_late_col	(Optional) Late collision
eth_excess_col	(Optional) Excess collision
eth_carri_sen	(Optional) Carrier sense
eth_runts	(Optional) Runts
eth_giants	(Optional) Giants
eth_sqetest_err	(Optional) SQETest error

eth_deferred_tx	(Optional) Deferred tx
eth_inmactx_err	(Optional) In MAC tx
eth_inmacrx_err	(Optional) In MAC rx
eth_symbol_err	(Optional) Symbol error
eth_indisc	(Optional) In discards

Command Mode

- /exec

show interface counters errors

show interface <loop_ctr_errs> counters errors

Syntax Description

show	Show running system information
interface	Show interface status and information
loop_ctr_errs	Enter interface type and number in module/slot format
counters	Show interface counters
errors	Show interface error counters

Command Mode

- /exec

show interface counters snmp

show interface counters snmp [module <module>] [__readonly__ { TABLE_rx_counters <interface> <eth_inpkts> [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface> <eth_outpkts> [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
snmp	Show SNMP MIB values
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_rx_counters	(Optional) show Rx counters
TABLE_tx_counters	(Optional) show Tx counters
eth_inpkts	(Optional) Packets input
eth_inucast	(Optional) Unicasts
eth_inmcast	(Optional) Multicasts
eth_inbcast	(Optional) Broadcasts
eth_outpkts	(Optional) Packets output
eth_outucast	(Optional) Unicasts
eth_outmcast	(Optional) Multicasts
eth_outbcast	(Optional) Broadcasts
eth_l3in_bytes	(Optional) L3 Rx bytes
eth_l3in_ucastpkts	(Optional) L3 Rx Unicast pkts
eth_l3in_mcastpkts	(Optional) L3 Rx Multicast pkts
eth_l3in_bcastpkts	(Optional) L3 Rx Broadcast pkts
eth_l3out_bytes	(Optional) L3 Tx bytes

eth_l3out_ucastpkts	(Optional) L3 Tx Unicast pkts
eth_l3out_mcastpkts	(Optional) L3 Tx Multicast pkts
eth_l3out_bcastpkts	(Optional) L3 Tx Broadcast pkts

Command Mode

- /exec

show interface counters storm-control

show interface <ifeth_ctr_stm_ctrl> counters storm-control [__readonly__ TABLE_interface <interface> <eth_ucast_supp> <eth_mcast_supp> <eth_bcast_supp> <eth_total_supp> <supp_action>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_ctr_stm_ctrl	Enter interface type and number in module/slot format
counters	Show interface counters
storm-control	Show interface storm-control counters
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
eth_ucast_supp	(Optional) Unicast suppression percentage
eth_mcast_supp	(Optional) Multicast suppression percentage
eth_bcast_supp	(Optional) Broadcast suppression percentage
eth_total_supp	(Optional) Total discarded due to suppression
supp_action	(Optional) Action to be taken on suppression

Command Mode

- /exec

show interface counters storm-control

show interface counters storm-control [module <module>] [__readonly__ TABLE_interface <interface> <eth_ucast_supp> <eth_mcast_supp> <eth_bcast_supp> <eth_total_supp> <supp_action>]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
storm-control	Show interface storm-control counters
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
eth_ucast_supp	(Optional) Unicast suppression percentage
eth_mcast_supp	(Optional) Multicast suppression percentage
eth_bcast_supp	(Optional) Broadcast suppression percentage
eth_total_supp	(Optional) Total discarded due to suppression
supp_action	(Optional) Action to be taken on suppression

Command Mode

- /exec

show interface counters table

show interface counters table [verbose]

Syntax Description

show	Show running system information
interface	Show interface status and information
counters	Show interface counters
table	format counters in a table
verbose	(Optional) show errors counts after counters

Command Mode

- /exec

show interface counters trunk

show interface <ifeth_ctr_trnk> counters trunk [__readonly__ TABLE_interface <interface> [<eth_trunk_frames_tx>] [<eth_trunk_frames_rx>] [<eth_wrong_encap>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_ctr_trnk	Enter interface type and number in module/slot format
counters	Show interface counters
trunk	Show interface trunk counters
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
eth_trunk_frames_tx	(Optional) Trunk frame transmitted
eth_trunk_frames_rx	(Optional) Trunk frames received
eth_wrong_encap	(Optional) Wrong encapsulation

Command Mode

- /exec

show interface dampening

show interface dampening [__readonly__ { [TABLE_vrf_dampen <vrf> [TABLE_interface_dampen <interface> <Flaps> <Penalty> <Supp> <ReuseTm> <HalfL> <ReuseV> <SuppV> <MaxSTm> <MaxP> <Restart>]] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
dampening	Show interface dampening info
__readonly__	(Optional) Read Only
TABLE_vrf_dampen	(Optional) show interface vrf dampening
vrf	(Optional) Vrf membership
TABLE_interface_dampen	(Optional) show interface dampening
interface	(Optional) Interface index
Flaps	(Optional) Number of times that an interface has flapped
Penalty	(Optional) Accumulated penalty
Supp	(Optional) Indicates if the interface is dampened
ReuseTm	(Optional) Reuse timer
HalfL	(Optional) Half-life counter
ReuseV	(Optional) Reuse threshold timer
SuppV	(Optional) Suppress threshold
MaxSTm	(Optional) Maximum suppress
MaxP	(Optional) Maximum penalty
Restart	(Optional) Restart timer

Command Mode

- /exec

show interface debounce

show interface <ifeth_dbnc> debounce [__readonly__ TABLE_interface <interface> <debounce> <debounce_val>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_dbnc	Enter interface type and number in module/slot format
debounce	Show interface debounce time information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
debounce	(Optional) Debounce time
debounce_val	(Optional) Value(ms)

Command Mode

- /exec

show interface debounce

show interface debounce [__readonly__ TABLE_interface <interface> <debounce> <debounce_val>]

Syntax Description

show	Show running system information
interface	Show interface status and information
debounce	Show interface debounce time information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
debounce	(Optional) Debounce time
debounce_val	(Optional) Value(ms)

Command Mode

- /exec

show interface description

show interface <ifid_desc1> description [__readonly__ TABLE_interface <interface_fc> [<desc_fc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_desc1	Enter interface type and number in module/slot format
description	Show interface description
__readonly__	(Optional) Read Only
interface_fc	(Optional) Interface index
TABLE_interface	(Optional) show interface
desc_fc	(Optional) Description

Command Mode

- /exec

show interface description

show interface <ifid> description [__readonly__ <start> <if_index> <LINE>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
description	Interface specific description
__readonly__	(Optional) Read Only
start	(Optional) Start
if_index	(Optional) Interface
LINE	(Optional) Description

Command Mode

- /exec

show interface description

show interface description [__readonly__ TABLE_interface <interface> [<state>] [<type>] [<speed>] [<protocol>] [<desc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
description	Show interface description
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
type	(Optional) Type
speed	(Optional) Speed
protocol	(Optional) Protocol
desc	(Optional) Description

Command Mode

- /exec

show interface description

show interface <ifid_mgmt_loop> description [__readonly__ TABLE_interface <interface> [<state>] [<protocol>] [<desc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_mgmt_loop	Enter interface type and number in module/slot format
description	Show interface description
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
protocol	(Optional) Protocol
desc	(Optional) Description

Command Mode

- /exec

show interface description

show interface <ifid_eth> description [__readonly__ TABLE_interface <interface> [<state>] [<type>] [<speed>] [<protocol>] [<desc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_eth	Enter interface type and number in module/slot format
description	Show interface description
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
type	(Optional) Type
speed	(Optional) Speed
protocol	(Optional) Protocol
desc	(Optional) Description

Command Mode

- /exec

show interface description

show interface <iftun_desc> description [__readonly__ TABLE_interface <interface> <state> <protocol> <desc>]

Syntax Description

show	Show running system information
interface	Show interface status and information
iftun_desc	Enter tunnel interface number
description	Show interface description
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
protocol	(Optional) Protocol
desc	(Optional) Description

Command Mode

- /exec

show interface description

show interface <ifrange> description [__readonly__ TABLE_interface <interface> <state> <protocol> <desc>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter tunnel interface number
description	Show interface description
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
protocol	(Optional) Protocol
desc	(Optional) Description

Command Mode

- /exec

show interface description

show interface <ifrange> description [__readonly__ TABLE_interface <interface> <state> <protocol> <desc>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter tunnel interface number
description	Show interface description
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
state	(Optional) Interface state
protocol	(Optional) Protocol
desc	(Optional) Description

Command Mode

- /exec

show interface detail-counters

show interface detail-counters [__readonly__ [{ TABLE_counters <sfp> <in_frames> <in_bytes> <class_2_frames> <class_2_in_bytes> <class_2_in_discards> <class_2_in_f_bsy_frames> <class_2_in_f_rgt_frames> <class_2_in_port_reject_frames> <class_3_frames> <class_3_bytes_recv> <class_f_frames> <class_f_bytes_recv> <class_f_in_discards> <class_f_errors_recvd> <class_f_out_discards> <class_f_errors_trans> <out_frames> <out_bytes> <class_2_out_frames> <class_2_bytes_trans> <class_3_out_frames> <class_3_bytes_trans> <class_3_out_discards> <class_f_out_frames> <class_f_bytes_trans> <class_f_discards> <muticast_rcvd> <multicast_trans> <broadcast_rcvd> <broadcast_trans> <unicast_rcvd> <unicast_trans> <timeout_discards> <credit_loss> <link_faliures> <sync_loss> <signal_loss> <prm_seq_pro_err> <inv_trans_err> <inv_crc> <delim_err> <addr_iden_err> <link_reset_rcvd> <link_reset_trans> <off_seq_err_rcvd> <off_seq_err_trans> <frames_rcvd_short> <frames_rcvd_long> <txwait> <frames_rcvd_greater> <frame_rcvd_short_header> <link_reset_resp_rcvd> <link_reset_resp_trans> <non_oper_seq_rcvd> <non_oper_seq_trans> <frag_frames_rcvd> <frames_eof_abort> <unknown_class_frames_rcvd> <8b10b_disparity_err> <frames_discard> <ex_link_param_sw_fab> [<in_link_ser_req_faliures>] <b2b_credits_transmit> <b2b_credits_receive> <eisl_frames> <framing_err> <f8_lip_seq_err_rcvd> <f8_lip_seq_err_issued> <non_f8_lip_seq_err_rcvd> <non_f8_lip_seq_err_issued> [<fec_corrected>] [<fec_uncorrected>] }] [{ TABLE_interface <interface> [<fcoe_in_pkts>] [<fcoe_in_octets>] [<fcoe_out_pkts>] [<fcoe_out_octets>] }]]

Syntax Description

show	Show running system information
interface	Show interface status and information
detail-counters	Show interface counters in detail
__readonly__	(Optional)
TABLE_counters	(Optional) show interface counters
sfp	(Optional) SFP
in_frames	(Optional) in frames
in_bytes	(Optional) in bytes
class_2_frames	(Optional) Class 2 frames
class_2_in_bytes	(Optional) Class 2 bytes received
class_2_in_discards	(Optional) Class 2 discards received
class_2_in_f_bsy_frames	(Optional) Class 2 F_BSY frames received
class_2_in_f_rgt_frames	(Optional) Class 2 F_RGT frames
class_2_in_port_reject_frames	(Optional) Class 2 port reject frames
class_3_frames	(Optional) Class 3 frames
class_3_bytes_recv	(Optional) Class 3 bytes received

class_f_frames	(Optional) Class f frames
class_f_bytes_recv	(Optional) Class F bytes received
class_f_in_discards	(Optional) Class F in discards
class_f_errors_recvd	(Optional) Class F errors received
class_f_out_discards	(Optional) Class F out discards
class_f_errors_trans	(Optional) Class F errors transmitted
out_frames	(Optional) Out frames
out_bytes	(Optional) Out bytes
class_2_out_frames	(Optional) Class 2 frames transmitted
class_2_bytes_trans	(Optional) Class 2 bytes transmitted
class_3_out_frames	(Optional) Class 3 frames transmitted
class_3_bytes_trans	(Optional) Class 3 bytes transmitted
class_3_out_discards	(Optional) Class 3 out discards
class_f_out_frames	(Optional) Class F out frames
class_f_bytes_trans	(Optional) Class F bytes transmitted
class_f_discards	(Optional) Class F discards
muticast_rcvd	(Optional) Multicast received
multicast_trans	(Optional) Muticast transmitted
broadcast_rcvd	(Optional) Broadcast received
broadcast_trans	(Optional) Broadcast transmitted
unicast_rcvd	(Optional) Unicast received
unicast_trans	(Optional) Unicast transmitted
timeout_discards	(Optional) timeout discards
credit_loss	(Optional) credit loss
link_faliures	(Optional) Link faliures
sync_loss	(Optional) Sync Loss
signal_loss	(Optional) Signal Loss
prm_seq_pro_err	(Optional) primitive sequence protocol errors
inv_trans_err	(Optional) invaid transmission errors

inv_crc	(Optional) Invalid crc
delim_err	(Optional) Delimiter Errors
addr_iden_err	(Optional) Address Identification errors
link_reset_rcvd	(Optional) link reset received
link_reset_trans	(Optional) link reset transmitted
off_seq_err_rcvd	(Optional) Offine sequence error received
off_seq_err_trans	(Optional) Offline sequence Error transmitted
frames_rcvd_short	(Optional) frames received that are shorter than the minimum allowable frame length regardless of the CRC/FCS error
frames_rcvd_long	(Optional) frames received that are longer than the minimum allowable frame length regardless of the CRC/FCS error
txwait	(Optional) TXwait
frames_rcvd_greater	(Optional) frames received with length greater than what was agreed to in FLOGI/PLOGI
frame_rcvd_short_header	(Optional) frames received with length less than the minimum indicated by the frame header
link_reset_resp_rcvd	(Optional) Link reset responses received
link_reset_resp_trans	(Optional) Link reset responses transmitted
non_oper_seq_rcvd	(Optional) Non operational sequence received
non_oper_seq_trans	(Optional) Non operational sequence transmitted
frag_frames_rcvd	(Optional) fragmented frames received
frames_eof_abort	(Optional) frames EOF abort
unknown_class_frames_rcvd	(Optional) unknown class frames received
8b10b_disparity_err	(Optional) 8b10b disparity errors
frames_discard	(Optional) frames discard
ex_link_param_sw_fab	(Optional) external link parameters switch fabric
in_link_ser_req_faliures	(Optional) internal link serial request faliures
b2b_credits_transmit	(Optional) B2B credits transmit
b2b_credits_receive	(Optional) B2B credits receive
eisl_frames	(Optional) EISL frames

framing_err	(Optional) Framing Error
f8_lip_seq_err_rcvd	(Optional) f8 LIP sequence error received
f8_lip_seq_err_issued	(Optional) f8 LIP sequence error issued
non_f8_lip_seq_err_rcvd	(Optional) non f8 LIP sequence error received
non_f8_lip_seq_err_issued	(Optional) non f8 LIP sequence error issued
fec_corrected	(Optional) fec corrected blocks
fec_uncorrected	(Optional) fec uncorrected blocks
TABLE_interface	(Optional) interface
interface	(Optional) interface
fcoe_in_pkts	(Optional) fcoe in pkts
fcoe_in_octets	(Optional) fcoe in octets
fcoe_out_pkts	(Optional) fcoe out pkts
fcoe_out_octets	(Optional) fcoe out octets

Command Mode

- /exec

show interface fcoe

show interface <ifeth_fcoe> fcoe [__readonly__ TABLE_interface <interface> [<state>] [<vfc>] [<vfc_bound>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_fcoe	Enter interface type and number in module/slot format
fcoe	Show interface fcoe information
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
state	(Optional) State of interface
vfc	(Optional) VFC
vfc_bound	(Optional) Binding information

Command Mode

- /exec

show interface fec

show interface fec

Syntax Description

show	Show running system information
interface	Interface
fec	Show fec admin and operation state on physical interface

Command Mode

- /exec

show interface flowcontrol

show interface flowcontrol [module <module>] [__readonly__ TABLE_interface <interface> <send_admin> <send_oper> <recv_admin> <recv_oper> <rxpause> <txpause>]

Syntax Description

show	Show running system information
interface	Show interface status and information
flowcontrol	Show interface flowcontrol information
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
send_admin	(Optional) Send flowcontrol admin
send_oper	(Optional) Send flowcontrol oper
recv_admin	(Optional) Receive flowcontrol admin
recv_oper	(Optional) Receive flowcontrol oper
rxpause	(Optional) RxPause
txpause	(Optional) TxPause

Command Mode

- /exec

show interface flowcontrol

show interface <ifeth_fl_ctrl> flowcontrol [__readonly__ TABLE_interface <interface> <send_admin> <send_oper> <recv_admin> <recv_oper> <rxpause> <txpause>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_fl_ctrl	Enter interface type and number in module/slot format
flowcontrol	Show interface flowcontrol information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
send_admin	(Optional) Send flowcontrol admin
send_oper	(Optional) Send flowcontrol oper
recv_admin	(Optional) Receive flowcontrol admin
recv_oper	(Optional) Receive flowcontrol oper
rxpause	(Optional) RxPause
txpause	(Optional) TxPause

Command Mode

- /exec

show interface hardware-mappings

show interface hardware-mappings [json]

Syntax Description

show	Show running system information
interface	Interface
hardware-mappings	Show hardware port number and unit information for interfaces
json	(Optional) display the output in json format

Command Mode

- /exec

show interface mac-address

show interface mac-address [__readonly__ TABLE_interface <interface> <address> <bia_address>]

Syntax Description

show	Show running system information
interface	Show interface status and information
mac-address	Show interface MAC address
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
address	(Optional) MAC Address
bia_address	(Optional) Burn-In MAC Address

Command Mode

- /exec

show interface mac-address

show interface <ifid_macaddr> mac-address [__readonly__ TABLE_interface <interface> <address> <bia_address>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_macaddr	Enter interface type and number in module/slot format
mac-address	Show interface MAC address
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
address	(Optional) MAC Address
bia_address	(Optional) Burn-In MAC Address

Command Mode

- /exec

show interface priority-flow-control

show interface [<if_list>] priority-flow-control [detail] [module <module>] [__readonly__ [TABLE_pfc_interface <if_name_str> <admin> <oper> [<cos-list>] <rx-stats> <tx-stats> [<rx_ppp_cos_0>] [<rx_ppp_cos_1>] [<rx_ppp_cos_2>] [<rx_ppp_cos_3>] [<rx_ppp_cos_4>] [<rx_ppp_cos_5>] [<rx_ppp_cos_6>] [<rx_ppp_cos_7>] [<tx_ppp_cos_0>] [<tx_ppp_cos_1>] [<tx_ppp_cos_2>] [<tx_ppp_cos_3>] [<tx_ppp_cos_4>] [<tx_ppp_cos_5>] [<tx_ppp_cos_6>] [<tx_ppp_cos_7>]]]

Syntax Description

show	commands to display
interface	Interface for displaying pfc information
if_list	(Optional) List of interfaces
module	(Optional) Slot/module
module	(Optional) Slot/module number
priority-flow-control	Show interface PFC information
detail	(Optional) Show detailed per priority Tx/Rx PFC statistics
__readonly__	(Optional)
if_name_str	(Optional) interface name
TABLE_pfc_interface	(Optional) PFC information of an interface
admin	(Optional) PFC admin
oper	(Optional) PFC oper
cos-list	(Optional) List of class-of-service values

Command Mode

- /exec

show interface private-vlan mapping

show interface [<if>] private-vlan mapping [__readonly__ [<output-filtered>] [{ TABLE_interf_mapp <interface-id> [<secondary-vlan> +] [<pvlan-type>] }]]

Syntax Description

show	Show running system information
interface	Show interface status and information
if	(Optional) Vlan Interface number
private-vlan	Show interface private vlan information
mapping	Show interface private vlan information
__readonly__	(Optional) Read Only
output-filtered	(Optional) the output is filtered for specified ifs
TABLE_interf_mapp	(Optional) Pvlan interface mapping table
interface-id	(Optional) Interface
secondary-vlan	(Optional) Secondary Vlan
pvlan-type	(Optional) PVLAN Type

Command Mode

- /exec

show interface pruning

show interface pruning [__readonly__ <start> { TABLE_interface_pruning1 <if_index1> <rx_join> } { TABLE_interface_pruning2 <if_index2> <cur_join> }]

Syntax Description

show	Show running system information
interface	Show interface status and information
pruning	Show interface trunk VTP pruning information
__readonly__	(Optional) Read Only
start	(Optional) Start
TABLE_interface_pruning1	(Optional) Interface pruning information in table format
if_index1	(Optional) Trunk
rx_join	(Optional) Vlans pruned for lack of request by neighbor
TABLE_interface_pruning2	(Optional) Interface pruning information in table format
if_index2	(Optional) Trunk
cur_join	(Optional) Vlan traffic requested of neighbor

Command Mode

- /exec

show interface snmp-ifindex

show interface snmp-ifindex [__readonly__ TABLE_interface <interface> <snmp-ifindex> [<ifindex-hex>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
snmp-ifindex	Show snmp ifindex list
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
ifindex-hex	(Optional) If Index in Hex
snmp-ifindex	(Optional) If Index in Dec

Command Mode

- /exec

show interface status

show interface <ifrange> status [err-disabled] [__readonly__ TABLE_interface <interface> <name> <state> <state_rsn> <state_rsn_desc> <admin_state>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed
admin_state	(Optional) admin state

Command Mode

- /exec

show interface status

show interface <ifid> status [__readonly__ <start> <if_index> <admin-state> <line-proto>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
status	Interface status
__readonly__	(Optional) Read Only
start	(Optional) Start
if_index	(Optional) Interface
admin-state	(Optional)
line-proto	(Optional)

Command Mode

- /exec

show interface status

show interface status [down | inactive | module <module> | up | auto-column] [__readonly__ TABLE_interface <interface> [<name>] [<state>] [<state_san>] [<state_rsn>] [<vlan>] [<duplex>] [<speed>] [<type>] [<admin_mode>] [<vsan>] [<bind_info>] [<bind_type>] [<bind_mac>] [<oper_speed>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
down	(Optional) Show interface down state
inactive	(Optional) Show interface inactive state
auto-column	(Optional) Show interface status auto-column adjusted
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number
up	(Optional) Show interface up state
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
state_san	(Optional) SAN Port State
vlan	(Optional) Vlan
vsan	(Optional) Vsan
duplex	(Optional) Duplex
speed	(Optional) Speed
type	(Optional) Type
state_rsn	(Optional) Port State Reason
bind_info	(Optional) bind interface
bind_type	(Optional) bind type
bind_mac	(Optional) bind mac

oper_speed	(Optional) speed
admin_mode	(Optional) admin mode

Command Mode

- /exec

show interface status

show interface <ifid_status> status [__readonly__ TABLE_interface <interface> [<name>] [<state>] [<vlan>] [<duplex>] [<speed>] [<type>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_status	Enter interface type and number in module/slot format
status	Show interface line status
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
vlan	(Optional) Vlan
duplex	(Optional) Duplex
speed	(Optional) Speed
type	(Optional) Type

Command Mode

- /exec

show interface status

show interface <ifeth_status> status [__readonly__ TABLE_interface <interface> [<name>] [<state>] [<vlan>] <duplex> <speed> [<type>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_status	Enter interface type and number in module/slot format
status	Show interface line status
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
vlan	(Optional) Vlan
duplex	(Optional) Duplex
speed	(Optional) Speed
type	(Optional) Type

Command Mode

- /exec

show interface status

show interface <iftun_status> status [err-disabled] [__readonly__ TABLE_interface <interface> <name> <state> <state_rsn> <state_rsn_desc>]

Syntax Description

show	Show running system information
interface	Show interface status and information
iftun_status	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status

show interface <ifrange> status [err-disabled] [__readonly__ TABLE_interface <interface> <name> <state> <state_rsn> <state_rsn_desc>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifrange	Enter tunnel interface number
status	Show interface line status
err-disabled	(Optional) Show interface error disabled state
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status err-disabled

show interface status err-disabled [__readonly__ TABLE_interface <interface> [<name>] <state> [<state_rsn>] [<state_rsn_desc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-disabled	Show interface error disabled state
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status err-disabled

show interface <ifeth_errdis> status err-disabled [__readonly__ TABLE_interface <interface> [<name>] <state> [<state_rsn>] [<state_rsn_desc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
ifeth_errdis	Enter interface type and number in module/slot format
err-disabled	Show interface error disabled state
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
state	(Optional) Interface state
state_rsn	(Optional) Interface state reason
state_rsn_desc	(Optional) Interface state reason detailed

Command Mode

- /exec

show interface status err-vlans

show interface status err-vlans [__readonly__ TABLE_interface <interface> [<name>] { TABLE_vlan <err_vlan> <err_vlan_status> <err_vlan_syserr> }]

Syntax Description

show	Show running system information
interface	Show interface status and information
status	Show interface line status
err-vlans	Show errored vlans
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
TABLE_vlan	(Optional) show vlan
err_vlan	(Optional) Errored vlan
err_vlan_status	(Optional) Errored vlan status
err_vlan_syserr	(Optional) Errored vlan syserr name

Command Mode

- /exec

show interface status err-vlans

show interface <ifeth_errvlans> status err-vlans [__readonly__ TABLE_interface <interface> [<name>] [{ TABLE_vlan [<err_vlan>] [<err_vlan_status>] [<err_vlan_syserr>] }]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_errvlans	Enter interface type and number in module/slot format
status	Show interface line status
err-vlans	Show errored vlans
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
name	(Optional) Name
TABLE_vlan	(Optional) show vlan
err_vlan	(Optional) Errored vlan
err_vlan_status	(Optional) Errored vlan status
err_vlan_syserr	(Optional) Errored vlan syserr name

Command Mode

- /exec

show interface switchport

show interface <ifeth_swtch> switchport [__readonly__ TABLE_interface <interface> <switchport> [<switchport_monitor>] [<switchport_isolated>] [<switchport_block_multicast>] [<switchport_block_unicast>] [<oper_mode>] [<access_vlan>] [<access_vlan_name>] [<native_vlan>] [<native_vlan_name>] [<trunk_vlans>] [<fabricpath_topologies>] [<pruning_vlans>] [<voice_vlan>] [<voice_vlan_name>] [<extended_trust>] [<extended_trust_name>] [<admin_pvlan_pri_assoc>] [<admin_pvlan_sec_assoc>] [<admin_pvlan_pri_mapping>] [<admin_pvlan_sec_mapping>] [<admin_pvlan_trunk_native>] [<admin_pvlan_trunk_encap>] [<admin_pvlan_trunk_normal>] [<admin_pvlan_trunk_private>] [<oper_pvlan>] [<autostate_mode>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_swtch	Enter interface type and number in module/slot format
switchport	Show interface switchport information
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
switchport	(Optional) Switchport enabled
switchport_monitor	(Optional) Switchport monitor enabled
switchport_isolated	(Optional) Switchport isolated enabled
switchport_block_multicast	(Optional) Switchport monitor enabled
switchport_block_unicast	(Optional) Switchport monitor enabled
oper_mode	(Optional) Operational mode
access_vlan	(Optional) Access mode VLAN
access_vlan_name	(Optional) Access mode VLAN name
native_vlan	(Optional) Trunking native mode VLAN
native_vlan_name	(Optional) Trunking native mode VLAN name
trunk_vlans	(Optional) Trunking VLANs Allowed
fabricpath_topologies	(Optional) FabricPath Topologies Allowed
pruning_vlans	(Optional) Pruning eligible VLANs
voice_vlan	(Optional) Voice VLAN

voice_vlan_name	(Optional) Voice VLAN name
extended_trust	(Optional) Extended Trust
extended_trust_name	(Optional) Extended Trust name
admin_pvlan_pri_assoc	(Optional) Administrative private-vlan primary host-association
admin_pvlan_sec_assoc	(Optional) Administrative private-vlan secondary host-association
admin_pvlan_pri_mapping	(Optional) Administrative private-vlan primary mapping
admin_pvlan_sec_mapping	(Optional) Administrative private-vlan secondary mapping
admin_pvlan_trunk_native	(Optional) Administrative private-vlan trunk native VLAN
admin_pvlan_trunk_encap	(Optional) Administrative private-vlan trunk encapsulation
admin_pvlan_trunk_normal	(Optional) Administrative private-vlan trunk normal VLANs
admin_pvlan_trunk_private	(Optional) Administrative private-vlan trunk private VLANs
oper_pvlan	(Optional) Operational private-vlan
autostate_mode	(Optional) SVI Autostate Exclude Info

Command Mode

- /exec

show interface switchport

show interface switchport [__readonly__ TABLE_interface <interface> <switchport> [<switchport_monitor>] [<switchport_isolated>] [<switchport_block_multicast>] [<switchport_block_unicast>] [<mac_learning>] [<oper_mode>] [<access_vlan>] [<access_vlan_name>] [<native_vlan>] [<native_vlan_name>] [<trunk_vlans>] [<fabricpath_topologies>] [<pruning_vlans>] [<voice_vlan>] [<voice_vlan_name>] [<extended_trust>] [<extended_trust_name>] [<admin_pvlan_pri_assoc>] [<admin_pvlan_sec_assoc>] [<admin_pvlan_pri_mapping>] [<admin_pvlan_sec_mapping>] [<admin_pvlan_trunk_native>] [<admin_pvlan_trunk_encap>] [<admin_pvlan_trunk_normal>] [<admin_pvlan_trunk_private>] [<oper_pvlan>] [<autostate_mode>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
switchport	(Optional) Switchport enabled
switchport_monitor	(Optional) Switchport monitor enabled
switchport_isolated	(Optional) Switchport isolated enabled
mac_learning	(Optional) Mac learning enabled/disabled
switchport_block_multicast	(Optional) Switchport monitor enabled
switchport_block_unicast	(Optional) Switchport monitor enabled
oper_mode	(Optional) Operational mode
access_vlan	(Optional) Access mode VLAN
access_vlan_name	(Optional) Access mode VLAN name
native_vlan	(Optional) Trunking native mode VLAN
native_vlan_name	(Optional) Trunking native mode VLAN name
trunk_vlans	(Optional) Trunking VLANs Allowed
fabricpath_topologies	(Optional) FabricPath Topologies Allowed
pruning_vlans	(Optional) Pruning eligible VLANs
voice_vlan	(Optional) Voice VLAN

voice_vlan_name	(Optional) Voice VLAN name
extended_trust	(Optional) Extended Trust
extended_trust_name	(Optional) Extended Trust name
admin_pvlan_pri_assoc	(Optional) Administrative private-vlan primary host-association
admin_pvlan_sec_assoc	(Optional) Administrative private-vlan secondary host-association
admin_pvlan_pri_mapping	(Optional) Administrative private-vlan primary mapping
admin_pvlan_sec_mapping	(Optional) Administrative private-vlan secondary mapping
admin_pvlan_trunk_native	(Optional) Administrative private-vlan trunk native VLAN
admin_pvlan_trunk_encap	(Optional) Administrative private-vlan trunk encapsulation
admin_pvlan_trunk_normal	(Optional) Administrative private-vlan trunk normal VLANs
admin_pvlan_trunk_private	(Optional) Administrative private-vlan trunk private VLANs
oper_pvlan	(Optional) Operational private-vlan
autostate_mode	(Optional) SVI Autostate Exclude Info

Command Mode

- /exec

show interface switchport backup

show interface switchport backup [detail] [__readonly__ { TABLE_pair <ai_name> <bi_name> <ai_state> <bi_state> <ai_prefer> <bi_prefer> <preempt_mode> <delay_value> <delay_default> <delay_scheduled> <mcast_fast> <ai_bw> <ai_bw_name> <bi_bw> <bi_bw_name> <mmu_primary> }]

Syntax Description

show	Show running system information
interface	Show interface status and information
switchport	Show interface switchport information
backup	Show interface backup
detail	(Optional) Backup interface info in detail
__readonly__	(Optional) Read Only
TABLE_pair	(Optional) Show interface backup
ai_name	(Optional) Active Interface name
bi_name	(Optional) Backup Interface name
ai_state	(Optional) Active Interface state
bi_state	(Optional) Backup Interface state
ai_prefer	(Optional) Active Interface prefer VLANs
bi_prefer	(Optional) Backup Interface prefer VLANs
preempt_mode	(Optional) Preempt mode
delay_value	(Optional) Preempt delay
delay_default	(Optional) Preempt delay value is default
delay_scheduled	(Optional) Preemption has been scheduled
mcast_fast	(Optional) Multicast Fast-Convergence
ai_bw	(Optional) Active Interface bandwidth
ai_bw_name	(Optional) Active Interface name for bandwidth
bi_bw	(Optional) Backup Interface bandwidth
bi_bw_name	(Optional) Backup Interface name for bandwidth
mmu_primary	(Optional) MAC Move Update primary VLAN

Command Mode

- /exec

show interface transceiver

show interface transceiver [calibrations | details] [__readonly__ TABLE_interface <interface> [<sfp>] [<type>] [<name>] [<partnum>] [<rev>] [<serialnum>] [<nom_bitrate>] [<len_9>] [<len_50>] [<len_625>] [<len_cu>] [<len_50_OM3>] [<txcvr_type>] [<connector_type>] [<bit_encoding>] [<protocol_type>] [<10gbe_code>] [<fiber_type_byte0>] [<fiber_type_byte1>] [<tx_type>] [<tx_len>] [<tx_medium>] [<tx_speeds>] [<tx_range>] [<cable_type>] [<ciscoid>] [<ciscoid_1>] [<cisco_part_number>] [<cisco_product_id>] [<cisco_vendor_id>] [<cisco_ext_id>] [<info_not_available>] [<temp_slope>] [<temp_offset>] [<volt_slope>] [<volt_offset>] [<curr_slope>] [<curr_offset>] [<tx_pwr_slope>] [<tx_pwr_offset>] [<rx_pwr_4>] [<rx_pwr_3>] [<rx_pwr_2>] [<rx_pwr_1>] [<rx_pwr_0>] [TABLE_lane [<lane_number>] [<temperature>] [<temp_flag>] [<temp_alrm_hi>] [<temp_alrm_lo>] [<temp_warn_hi>] [<temp_warn_lo>] [<voltage>] [<volt_flag>] [<volt_alrm_hi>] [<volt_alrm_lo>] [<volt_warn_hi>] [<volt_warn_lo>] [<current>] [<current_flag>] [<current_alrm_hi>] [<current_alrm_lo>] [<current_warn_hi>] [<current_warn_lo>] [<tx_pwr>] [<tx_pwr_flag>] [<tx_pwr_alrm_hi>] [<tx_pwr_alrm_lo>] [<tx_pwr_warn_hi>] [<tx_pwr_warn_lo>] [<rx_pwr>] [<rx_pwr_flag>] [<rx_pwr_alrm_hi>] [<rx_pwr_alrm_lo>] [<rx_pwr_warn_hi>] [<rx_pwr_warn_lo>] [<xmit_faults>] [<snr>] [<snr_flag>] [<snr_alrm_hi>] [<snr_alrm_lo>] [<snr_warn_hi>] [<snr_warn_lo>] [<isi>] [<isi_flag>] [<isi_alrm_hi>] [<isi_alrm_lo>] [<isi_warn_hi>] [<isi_warn_lo>] [<pam>] [<pam_flag>] [<pam_alrm_hi>] [<pam_alrm_lo>] [<pam_warn_hi>] [<pam_warn_lo>] [<pre_fec_ber>] [<pre_fec_ber_flag>] [<pre_fec_ber_alrm_hi>] [<pre_fec_ber_alrm_lo>] [<pre_fec_ber_warn_hi>] [<pre_fec_ber_warn_lo>] [<uncorrect_ber>] [<uncorrect_ber_flag>] [<uncorrect_ber_alrm_hi>] [<uncorrect_ber_alrm_lo>] [<uncorrect_ber_warn_hi>] [<uncorrect_ber_warn_lo>] [<tec_current>] [<tec_current_flag>] [<tec_current_alrm_hi>] [<tec_current_alrm_lo>] [<tec_current_warn_hi>] [<tec_current_warn_lo>] [<laser_freq>] [<laser_freq_flag>] [<laser_freq_alrm_hi>] [<laser_freq_alrm_lo>] [<laser_freq_warn_hi>] [<laser_freq_warn_lo>] [<laser_temp>] [<laser_temp_flag>] [<laser_temp_alrm_hi>] [<laser_temp_alrm_lo>] [<laser_temp_warn_hi>] [<laser_temp_warn_lo>] [<pre_fec_ber_acc>] [<pre_fec_ber_acc_flag>] [<pre_fec_ber_acc_alrm_hi>] [<pre_fec_ber_acc_alrm_lo>] [<pre_fec_ber_acc_warn_hi>] [<pre_fec_ber_acc_warn_lo>] [<pre_fec_ber_min>] [<pre_fec_ber_min_flag>] [<pre_fec_ber_min_alrm_hi>] [<pre_fec_ber_min_alrm_lo>] [<pre_fec_ber_min_warn_hi>] [<pre_fec_ber_min_warn_lo>] [<pre_fec_ber_max>] [<pre_fec_ber_max_flag>] [<pre_fec_ber_max_alrm_hi>] [<pre_fec_ber_max_alrm_lo>] [<pre_fec_ber_max_warn_hi>] [<pre_fec_ber_max_warn_lo>] [<pre_fec_ber_cur>] [<pre_fec_ber_cur_flag>] [<pre_fec_ber_cur_alrm_hi>] [<pre_fec_ber_cur_alrm_lo>] [<pre_fec_ber_cur_warn_hi>] [<pre_fec_ber_cur_warn_lo>] [<uncorrect_ber_acc>] [<uncorrect_ber_acc_flag>] [<uncorrect_ber_acc_alrm_hi>] [<uncorrect_ber_acc_alrm_lo>] [<uncorrect_ber_acc_warn_hi>] [<uncorrect_ber_acc_warn_lo>] [<uncorrect_ber_min>] [<uncorrect_ber_min_flag>] [<uncorrect_ber_min_alrm_hi>] [<uncorrect_ber_min_alrm_lo>] [<uncorrect_ber_min_warn_hi>] [<uncorrect_ber_min_warn_lo>] [<uncorrect_ber_max>] [<uncorrect_ber_max_flag>] [<uncorrect_ber_max_alrm_hi>] [<uncorrect_ber_max_alrm_lo>] [<uncorrect_ber_max_warn_hi>] [<uncorrect_ber_max_warn_lo>] [<uncorrect_ber_cur>] [<uncorrect_ber_cur_flag>] [<uncorrect_ber_cur_alrm_hi>] [<uncorrect_ber_cur_alrm_lo>] [<uncorrect_ber_cur_warn_hi>] [<uncorrect_ber_cur_warn_lo>]]]

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information

calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
sfp	(Optional) sfp
type	(Optional) type
name	(Optional) Name
partnum	(Optional) part number
rev	(Optional) revision
serialnum	(Optional) serial number
nom_bitrate	(Optional) Nominal bit rate in MBits/sec
len_9	(Optional) Link length supported for 9/125um fiber
len_50	(Optional) Link length supported for 50/125um fiber
len_625	(Optional) Link length supported for 62.5/125um fiber
len_cu	(Optional) Link length supported for copper
len_50_OM3	(Optional) Link length supported for 50/125um fiber in m
txcvr_type	(Optional)
connector_type	(Optional)
bit_encoding	(Optional)
protocol_type	(Optional)
10gbe_code	(Optional)
fiber_type_byte0	(Optional)
fiber_type_byte1	(Optional)
tx_type	(Optional) FC Transmitter type
tx_len	(Optional) FC Transmitter length
tx_medium	(Optional) FC Transmitter medium
tx_speeds	(Optional) Transmission speeds
tx_range	(Optional) Transmission range

cable_type	(Optional)
ciscoid	(Optional) Cisco extended id
ciscoid_1	(Optional) Cisco extended id number
cisco_part_number	(Optional) Cisco part number
cisco_product_id	(Optional) Cisco product identifier
cisco_vendor_id	(Optional) Cisco vendor identifier
cisco_ext_id	(Optional) Cisco extended ID
info_not_available	(Optional) No info available for this transceiver
temp_slope	(Optional) Temperature slope
temp_offset	(Optional) Temperature offset
volt_slope	(Optional) Voltage slope
volt_offset	(Optional) Voltage offset
curr_slope	(Optional) Current slope
curr_offset	(Optional) Current offset
tx_pwr_slope	(Optional) Tx power slope
tx_pwr_offset	(Optional) Tx power offset
rx_pwr_4	(Optional) Rx power 4
rx_pwr_3	(Optional) Rx power 3
rx_pwr_2	(Optional) Rx power 2
rx_pwr_1	(Optional) Rx power 1
rx_pwr_0	(Optional) Rx power 0
TABLE_lane	(Optional) show lane
lane_number	(Optional) Lane number
temperature	(Optional) Temperature
temp_flag	(Optional) Temperature Flag
temp_alrm_hi	(Optional) Temperature Alarm High
temp_alrm_lo	(Optional) Temperature Alarm Low
temp_warn_hi	(Optional) Temperature Warning High
temp_warn_lo	(Optional) Temperature Warning Low

voltage	(Optional) Voltage
volt_flag	(Optional) Voltage Flag
volt_alrm_hi	(Optional) Voltage Alarm High
volt_alrm_lo	(Optional) Voltage Alarm Low
volt_warn_hi	(Optional) Voltage Warning High
volt_warn_lo	(Optional) Voltage Warning Low
current	(Optional) Current
current_flag	(Optional) Current Flag
current_alrm_hi	(Optional) Current Alarm High
current_alrm_lo	(Optional) Current Alarm Low
current_warn_hi	(Optional) Current Warning High
current_warn_lo	(Optional) Current Warning Low
tx_pwr	(Optional) Tx Power
tx_pwr_flag	(Optional) Tx Power Flag
tx_pwr_alrm_hi	(Optional) Tx Power Alarm High
tx_pwr_alrm_lo	(Optional) Tx Power Alarm Low
tx_pwr_warn_hi	(Optional) Tx Power Warning High
tx_pwr_warn_lo	(Optional) Tx Power Warning Low
rx_pwr	(Optional) Rx Power
rx_pwr_flag	(Optional) Rx Power Flag
rx_pwr_alrm_hi	(Optional) Rx Power Alarm High
rx_pwr_alrm_lo	(Optional) Rx Power Alarm Low
rx_pwr_warn_hi	(Optional) Rx Power Warning High
rx_pwr_warn_lo	(Optional) Rx Power Warning Low
xmit_faults	(Optional) Transmit Fault Count
snr	(Optional) RX Signal-to-Noise Ratio (SNR)
snr_flag	(Optional) SNR Flag
snr_alrm_hi	(Optional) SNR Alarm High
snr_alrm_lo	(Optional) SNR Alarm Low

snr_warn_hi	(Optional) SNR Warning High
snr_warn_lo	(Optional) SNR Warning Low
isi	(Optional) Residual-Dispersion(ISI)
isi_flag	(Optional) ISI Flag
isi_alrm_hi	(Optional) ISI alarm high
isi_alrm_lo	(Optional) ISI alarm low
isi_warn_hi	(Optional) ISI warning high
isi_warn_lo	(Optional) ISI warning low
pam	(Optional) PAM Transition
pam_flag	(Optional) PAM Flag
pam_alrm_hi	(Optional) PAM alarm high
pam_alrm_lo	(Optional) PAM alarm low
pam_warn_hi	(Optional) PAM warning high
pam_warn_lo	(Optional) PAM warning low
pre_fec_ber	(Optional) Pre-FEC BER
pre_fec_ber_flag	(Optional) Pre-FEC BER flag
pre_fec_ber_alrm_hi	(Optional) Pre-FEC BER alarm high
pre_fec_ber_alrm_lo	(Optional) Pre-FEC BER alarm low
pre_fec_ber_warn_hi	(Optional) Pre-FEC BER warning high
pre_fec_ber_warn_lo	(Optional) Pre-FEC BER warning low
uncorrect_ber	(Optional) Uncorrected BER
uncorrect_ber_flag	(Optional) Uncorrected BER flag
uncorrect_ber_alrm_hi	(Optional) Uncorrected BER alarm high
uncorrect_ber_alrm_lo	(Optional) Uncorrected BER alarm low
uncorrect_ber_warn_hi	(Optional) Uncorrected BER warning high
uncorrect_ber_warn_lo	(Optional) Uncorrected BER warning low
tec_current	(Optional) TEC Current
tec_current_flag	(Optional) TEC Current flag
tec_current_alrm_hi	(Optional) TEC Current Alarm High

tec_current_alrm_lo	(Optional) TEC Current Alarm Low
tec_current_warn_hi	(Optional) TEC Current Warning High
tec_current_warn_lo	(Optional) TEC Current Warning Low
laser_freq	(Optional) Laser Frequency
laser_freq_flag	(Optional) Laser Frequency flag
laser_freq_alrm_hi	(Optional) Laser Frequency Alarm High
laser_freq_alrm_lo	(Optional) Laser Frequency Alarm Low
laser_freq_warn_hi	(Optional) Laser Frequency Warning High
laser_freq_warn_lo	(Optional) Laser Frequency Warning Low
laser_temp	(Optional) Laser Temperature
laser_temp_flag	(Optional) Laser Temperature flag
laser_temp_alrm_hi	(Optional) Laser Temperature Alarm High
laser_temp_alrm_lo	(Optional) Laser Temperature Alarm Low
laser_temp_warn_hi	(Optional) Laser Temperature Warning High
laser_temp_warn_lo	(Optional) Laser Temperature Warning Low
pre_fec_ber_acc	(Optional) Pre-FEC BER Acc
pre_fec_ber_acc_flag	(Optional) Pre-FEC BER Acc flag
pre_fec_ber_acc_alrm_hi	(Optional) Pre-FEC BER Acc alarm high
pre_fec_ber_acc_alrm_lo	(Optional) Pre-FEC BER Acc alarm low
pre_fec_ber_acc_warn_hi	(Optional) Pre-FEC BER Acc warning high
pre_fec_ber_acc_warn_lo	(Optional) Pre-FEC BER Acc warning low
pre_fec_ber_min	(Optional) Pre-FEC BER Min
pre_fec_ber_min_flag	(Optional) Pre-FEC BER Min flag
pre_fec_ber_min_alrm_hi	(Optional) Pre-FEC BER Min alarm high
pre_fec_ber_min_alrm_lo	(Optional) Pre-FEC BER Min alarm low
pre_fec_ber_min_warn_hi	(Optional) Pre-FEC BER Min warning high
pre_fec_ber_min_warn_lo	(Optional) Pre-FEC BER Min warning low
pre_fec_ber_max	(Optional) Pre-FEC BER Max
pre_fec_ber_max_flag	(Optional) Pre-FEC BER Max flag

pre_fec_ber_max_alrm_hi	(Optional) Pre-FEC BER Max alarm high
pre_fec_ber_max_alrm_lo	(Optional) Pre-FEC BER Max alarm low
pre_fec_ber_max_warn_hi	(Optional) Pre-FEC BER Max warning high
pre_fec_ber_max_warn_lo	(Optional) Pre-FEC BER Max warning low
pre_fec_ber_cur	(Optional) Pre-FEC BER Cur
pre_fec_ber_cur_flag	(Optional) Pre-FEC BER Cur flag
pre_fec_ber_cur_alrm_hi	(Optional) Pre-FEC BER Cur alarm high
pre_fec_ber_cur_alrm_lo	(Optional) Pre-FEC BER Cur alarm low
pre_fec_ber_cur_warn_hi	(Optional) Pre-FEC BER Cur warning high
pre_fec_ber_cur_warn_lo	(Optional) Pre-FEC BER Cur warning low
uncorrect_ber_acc	(Optional) Uncorrected BER Acc
uncorrect_ber_acc_flag	(Optional) Uncorrected BER Acc flag
uncorrect_ber_acc_alrm_hi	(Optional) Uncorrected BER Acc alarm high
uncorrect_ber_acc_alrm_lo	(Optional) Uncorrected BER Acc alarm low
uncorrect_ber_acc_warn_hi	(Optional) Uncorrected BER Acc warning high
uncorrect_ber_acc_warn_lo	(Optional) Uncorrected BER Acc warning low
uncorrect_ber_min	(Optional) Uncorrected BER Min
uncorrect_ber_min_flag	(Optional) Uncorrected BER Min flag
uncorrect_ber_min_alrm_hi	(Optional) Uncorrected BER Min alarm high
uncorrect_ber_min_alrm_lo	(Optional) Uncorrected BER Min alarm low
uncorrect_ber_min_warn_hi	(Optional) Uncorrected BER Min warning high
uncorrect_ber_min_warn_lo	(Optional) Uncorrected BER Min warning low
uncorrect_ber_max	(Optional) Uncorrected BER Max
uncorrect_ber_max_flag	(Optional) Uncorrected BER Max flag
uncorrect_ber_max_alrm_hi	(Optional) Uncorrected BER Max alarm high
uncorrect_ber_max_alrm_lo	(Optional) Uncorrected BER Max alarm low
uncorrect_ber_max_warn_hi	(Optional) Uncorrected BER Max warning high
uncorrect_ber_max_warn_lo	(Optional) Uncorrected BER Max warning low
uncorrect_ber_cur	(Optional) Uncorrected BER Cur

uncorrect_ber_cur_flag	(Optional) Uncorrected BER Cur flag
uncorrect_ber_cur_alrm_hi	(Optional) Uncorrected BER Cur alarm high
uncorrect_ber_cur_alrm_lo	(Optional) Uncorrected BER Cur alarm low
uncorrect_ber_cur_warn_hi	(Optional) Uncorrected BER Cur warning high
uncorrect_ber_cur_warn_lo	(Optional) Uncorrected BER Cur warning low

Command Mode

- /exec

show interface transceiver

show interface <ifid_trns_fc> transceiver [calibrations | details] [__readonly__ TABLE_interface <interface_fc> [<sfp_fc>] [<type_fc>] [<name_fc>] [<partnum_fc>] [<rev_fc>] [<serialnum_fc>] [<cisco_partnum_fc>] [<cisco_pid_fc>] [<tx_type_fc>] [<tx_len_fc>] [<tx_medium_fc>] [<tx_speeds_fc>] [<nom_bitrate_fc>] [<len_9_fc>] [<len_50_fc>] [<len_625_fc>] [<len_50_OM3_fc>] [<cisco_ext_id_fc>] [<txcvr_type_fc>] [<connector_type_fc>] [<bit_encoding_fc>] [<protocol_type_fc>] [<10gbe_code_fc>] [<fiber_type_byte0_fc>] [<fiber_type_byte1_fc>] [<tx_range_fc>] [<temp_slope_fc>] [<temp_offset_fc>] [<volt_slope_fc>] [<volt_offset_fc>] [<curr_slope_fc>] [<curr_offset_fc>] [<tx_pwr_slope_fc>] [<tx_pwr_offset_fc>] [<rx_pwr_4_fc>] [<rx_pwr_3_fc>] [<rx_pwr_2_fc>] [<rx_pwr_1_fc>] [<rx_pwr_0_fc>] [<temperature_fc>] [<temp_flag_fc>] [<temp_alrm_hi_fc>] [<temp_alrm_lo_fc>] [<temp_warn_hi_fc>] [<temp_warn_lo_fc>] [<voltage_fc>] [<volt_flag_fc>] [<volt_alrm_hi_fc>] [<volt_alrm_lo_fc>] [<volt_warn_hi_fc>] [<volt_warn_lo_fc>] [<current_fc>] [<current_flag_fc>] [<current_alrm_hi_fc>] [<current_alrm_lo_fc>] [<current_warn_hi_fc>] [<current_warn_lo_fc>] [<tx_pwr_fc>] [<tx_pwr_flag_fc>] [<tx_pwr_alrm_hi_fc>] [<tx_pwr_alrm_lo_fc>] [<tx_pwr_warn_hi_fc>] [<tx_pwr_warn_lo_fc>] [<rx_pwr_fc>] [<rx_pwr_flag_fc>] [<rx_pwr_alrm_hi_fc>] [<rx_pwr_alrm_lo_fc>] [<rx_pwr_warn_hi_fc>] [<rx_pwr_warn_lo_fc>] [<xmit_faults_fc>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_trns_fc	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
__readonly__	(Optional) Read Only
interface_fc	(Optional) Interface index
TABLE_interface	(Optional) show interface
sfp_fc	(Optional) sfp
type_fc	(Optional) type
name_fc	(Optional) Name
partnum_fc	(Optional) part number
rev_fc	(Optional) revision
serialnum_fc	(Optional) serial number
cisco_partnum_fc	(Optional) Cisco part number
cisco_pid_fc	(Optional) Cisco PID

tx_type_fc	(Optional) FC Transmitter type
tx_len_fc	(Optional) FC Transmitter length
tx_medium_fc	(Optional) FC Transmitter medium
tx_speeds_fc	(Optional) Transmission speeds
nom_bitrate_fc	(Optional) Nominal bit rate in MBits/sec
len_9_fc	(Optional) Link length supported for 9/125um fiber
len_50_fc	(Optional) Link length supported for 50/125um fiber
len_625_fc	(Optional) Link length supported for 62.5/125um fiber
len_50_OM3_fc	(Optional) Link length supported for 50/125um fiber in m
cisco_ext_id_fc	(Optional) Cisco extended ID
txcvr_type_fc	(Optional) Transceiver type
connector_type_fc	(Optional) Connector type
bit_encoding_fc	(Optional) Bit encoding
protocol_type_fc	(Optional) Protocol type
10gbe_code_fc	(Optional) 10GbE code byte
fiber_type_byte0_fc	(Optional) Fiber Type Byte 0
fiber_type_byte1_fc	(Optional) Fiber Type Byte 1
tx_range_fc	(Optional) Transmission Range
temp_slope_fc	(Optional) Temperature slope
temp_offset_fc	(Optional) Temperature offset
volt_slope_fc	(Optional) Voltage slope
volt_offset_fc	(Optional) Voltage offset
curr_slope_fc	(Optional) Current slope
curr_offset_fc	(Optional) Current offset
tx_pwr_slope_fc	(Optional) Tx power slope
tx_pwr_offset_fc	(Optional) Tx power offset
rx_pwr_4_fc	(Optional) Rx power 4
rx_pwr_3_fc	(Optional) Rx power 3
rx_pwr_2_fc	(Optional) Rx power 2

rx_pwr_1_fc	(Optional) Rx power 1
rx_pwr_0_fc	(Optional) Rx power 0
temperature_fc	(Optional) Temperature
temp_flag_fc	(Optional) Temperature Flag
temp_alrm_hi_fc	(Optional) Temperature Alarm High
temp_alrm_lo_fc	(Optional) Temperature Alarm Low
temp_warn_hi_fc	(Optional) Temperature Warning High
temp_warn_lo_fc	(Optional) Temperature Warning Low
voltage_fc	(Optional) Voltage
volt_flag_fc	(Optional) Voltage Flag
volt_alrm_hi_fc	(Optional) Voltage Alarm High
volt_alrm_lo_fc	(Optional) Voltage Alarm Low
volt_warn_hi_fc	(Optional) Voltage Warning High
volt_warn_lo_fc	(Optional) Voltage Warning Low
current_fc	(Optional) Current
current_flag_fc	(Optional) Current Flag
current_alrm_hi_fc	(Optional) Current Alarm High
current_alrm_lo_fc	(Optional) Current Alarm Low
current_warn_hi_fc	(Optional) Current Warning High
current_warn_lo_fc	(Optional) Current Warning Low
tx_pwr_fc	(Optional) Tx Power
tx_pwr_flag_fc	(Optional) Tx Power Flag
tx_pwr_alrm_hi_fc	(Optional) Tx Power Alarm High
tx_pwr_alrm_lo_fc	(Optional) Tx Power Alarm Low
tx_pwr_warn_hi_fc	(Optional) Tx Power Warning High
tx_pwr_warn_lo_fc	(Optional) Tx Power Warning Low
rx_pwr_fc	(Optional) Rx Power
rx_pwr_flag_fc	(Optional) Rx Power Flag
rx_pwr_alrm_hi_fc	(Optional) Rx Power Alarm High

rx_pwr_alrm_lo_fc	(Optional) Rx Power Alarm Low
rx_pwr_warn_hi_fc	(Optional) Rx Power Warning High
rx_pwr_warn_lo_fc	(Optional) Rx Power Warning Low
xmit_faults_fc	(Optional) Transmit Fault Count

Command Mode

- /exec

show interface transceiver

show interface <ifid_transceiver> transceiver [calibrations | details | sprom] [__readonly__ TABLE_interface <interface> [<sfp>] [<qsfp_or_cfp>] [<type>] [<name>] [<partnum>] [<rev>] [<serialnum>] [<nom_bitrate>] [<len_9>] [<len_9_2>] [<len_50>] [<len_625>] [<len_cu>] [<len_50_OM3>] [<txcvr_type>] [<connector_type>] [<bit_encoding>] [<protocol_type>] [<10gbe_code>] [<fiber_type_byte0>] [<fiber_type_byte1>] [<tx_range>] [<cable_type>] [<ciscoid>] [<ciscoid_1>] [<cisco_part_number>] [<cisco_product_id>] [<cisco_vendor_id>] [<firmware_version>] [<identifier>] [<ext_identifier>] [<connector>] [<infiniband_compliance_code>] [<sonet_compliance_code>] [<gigabit_ethernet_compliance_code>] [<fibre_chan_link_length>] [<fibre_chan_trans_technology>] [<fibre_chan_trans_tech_reserved>] [<fibre_chan_transmission_media>] [<fibre_chan_speed>] [<encoding>] [<br_nominal>] [<reserved1>] [<length_smf>] [<length_om3>] [<length_om2>] [<length_om1>] [<length_9u_1>] [<length_9u_2>] [<length_50u>] [<length_60u>] [<length_copper>] [<reserved3>] [<vendor_oui>] [<vendor_part_no>] [<vendor_revision>] [<reserved4>] [<check_code_id>] [<options>] [<br_max>] [<br_min>] [<vendor_serial_no>] [<data_code>] [<diagnostic_monitoring_type>] [<enhanced_options>] [<sff8472compliance>] [<check_code_ext>] [<vendor_specific_data_id_data>] [<info_not_available>] [<temp_slope>] [<temp_offset>] [<volt_slope>] [<volt_offset>] [<curr_slope>] [<curr_offset>] [<tx_pwr_slope>] [<tx_pwr_offset>] [<rx_pwr_4>] [<rx_pwr_3>] [<rx_pwr_2>] [<rx_pwr_1>] [<rx_pwr_0>] [TABLE_lane [<lane_number>] [<temperature>] [<temp_flag>] [<temp_alrm_hi>] [<temp_alrm_lo>] [<temp_warn_hi>] [<temp_warn_lo>] [<voltage>] [<volt_flag>] [<volt_alrm_hi>] [<volt_alrm_lo>] [<volt_warn_hi>] [<volt_warn_lo>] [<current>] [<current_flag>] [<current_alrm_hi>] [<current_alrm_lo>] [<current_warn_hi>] [<current_warn_lo>] [<tx_pwr>] [<tx_pwr_flag>] [<tx_pwr_alrm_hi>] [<tx_pwr_alrm_lo>] [<tx_pwr_warn_hi>] [<tx_pwr_warn_lo>] [<rx_pwr>] [<rx_pwr_flag>] [<rx_pwr_alrm_hi>] [<rx_pwr_alrm_lo>] [<rx_pwr_warn_hi>] [<rx_pwr_warn_lo>] [<xmit_faults>] [<snr>] [<snr_flag>] [<snr_alrm_hi>] [<snr_alrm_lo>] [<snr_warn_hi>] [<snr_warn_lo>] [<isi>] [<isi_flag>] [<isi_alrm_hi>] [<isi_alrm_lo>] [<isi_warn_hi>] [<isi_warn_lo>] [<pam>] [<pam_flag>] [<pam_alrm_hi>] [<pam_alrm_lo>] [<pam_warn_hi>] [<pam_warn_lo>] [<pre_fec_ber>] [<pre_fec_ber_flag>] [<pre_fec_ber_alrm_hi>] [<pre_fec_ber_alrm_lo>] [<pre_fec_ber_warn_hi>] [<pre_fec_ber_warn_lo>] [<uncorrect_ber>] [<uncorrect_ber_flag>] [<uncorrect_ber_alrm_hi>] [<uncorrect_ber_alrm_lo>] [<uncorrect_ber_warn_hi>] [<uncorrect_ber_warn_lo>] [<tec_current>] [<tec_current_flag>] [<tec_current_alrm_hi>] [<tec_current_alrm_lo>] [<tec_current_warn_hi>] [<tec_current_warn_lo>] [<laser_freq>] [<laser_freq_flag>] [<laser_freq_alrm_hi>] [<laser_freq_alrm_lo>] [<laser_freq_warn_hi>] [<laser_freq_warn_lo>] [<laser_temp>] [<laser_temp_flag>] [<laser_temp_alrm_hi>] [<laser_temp_alrm_lo>] [<laser_temp_warn_hi>] [<laser_temp_warn_lo>] [<pre_fec_ber_acc>] [<pre_fec_ber_acc_flag>] [<pre_fec_ber_acc_alrm_hi>] [<pre_fec_ber_acc_alrm_lo>] [<pre_fec_ber_acc_warn_hi>] [<pre_fec_ber_acc_warn_lo>] [<pre_fec_ber_min>] [<pre_fec_ber_min_flag>] [<pre_fec_ber_min_alrm_hi>] [<pre_fec_ber_min_alrm_lo>] [<pre_fec_ber_min_warn_hi>] [<pre_fec_ber_min_warn_lo>] [<pre_fec_ber_max>] [<pre_fec_ber_max_flag>] [<pre_fec_ber_max_alrm_hi>] [<pre_fec_ber_max_alrm_lo>] [<pre_fec_ber_max_warn_hi>] [<pre_fec_ber_max_warn_lo>] [<pre_fec_ber_cur>] [<pre_fec_ber_cur_flag>] [<pre_fec_ber_cur_alrm_hi>] [<pre_fec_ber_cur_alrm_lo>] [<pre_fec_ber_cur_warn_hi>] [<pre_fec_ber_cur_warn_lo>] [<uncorrect_ber_acc>] [<uncorrect_ber_acc_flag>] [<uncorrect_ber_acc_alrm_hi>] [<uncorrect_ber_acc_alrm_lo>] [<uncorrect_ber_acc_warn_hi>] [<uncorrect_ber_acc_warn_lo>] [<uncorrect_ber_min>] [<uncorrect_ber_min_flag>] [<uncorrect_ber_min_alrm_hi>] [<uncorrect_ber_min_alrm_lo>] [<uncorrect_ber_min_warn_hi>] [<uncorrect_ber_min_warn_lo>] [<uncorrect_ber_max>] [<uncorrect_ber_max_flag>] [<uncorrect_ber_max_alrm_hi>] [<uncorrect_ber_max_alrm_lo>] [<uncorrect_ber_max_warn_hi>] [<uncorrect_ber_max_warn_lo>] [<uncorrect_ber_cur>] [<uncorrect_ber_cur_flag>] [<uncorrect_ber_cur_alrm_hi>] [<uncorrect_ber_cur_alrm_lo>] [<uncorrect_ber_cur_warn_hi>] [<uncorrect_ber_cur_warn_lo>]]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_transceiver	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
sprom	(Optional) Show interface transceiver sprom information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
sfp	(Optional) sfp
qsfp_or_cfp	(Optional) qsfp_or_cfp
type	(Optional) type
name	(Optional) Name
partnum	(Optional) part number
rev	(Optional) revision
serialnum	(Optional) serial number
nom_bitrate	(Optional) Nominal bit rate in MBits/sec
len_9	(Optional) Link length supported for 9/125um fiber in Km
len_9_2	(Optional) Link length supported for 9/125um fiber in m
len_50	(Optional) Link length supported for 50/125um fiber in m
len_625	(Optional) Link length supported for 62.5/125um fiber in m
len_cu	(Optional) Link length supported for copper sfp in m
len_50_OM3	(Optional) Link length supported for 50/125um fiber in m
txcvr_type	(Optional)
connector_type	(Optional)
bit_encoding	(Optional)
protocol_type	(Optional)

10gbe_code	(Optional)
fiber_type_byte0	(Optional)
fiber_type_byte1	(Optional)
tx_range	(Optional)
cable_type	(Optional)
ciscoid	(Optional) Cisco extended id
ciscoid_1	(Optional) Cisco extended id number
cisco_part_number	(Optional) Cisco part number
cisco_product_id	(Optional) Cisco product identifier
cisco_vendor_id	(Optional) Cisco vendor identifier
firmware_version	(Optional) Firmware version
identifier	(Optional) SFP Identifier
ext_identifier	(Optional) SFP Ext Identifier
connector	(Optional) SFP connector
infiniband_compliance_code	(Optional) SFP Infiniband Compliance Code
sonet_compliance_code	(Optional) Sonet Compliance Code
gigabit_ethernet_compliance_code	(Optional) Gigabit Ethernet Compliance Code
fibre_chan_link_length	(Optional) Fibre Chan Link Length
fibre_chan_trans_technology	(Optional) Fibre Chan Trans Technology
fibre_chan_trans_tech_reserved	(Optional) Fibre Chan Trans Tech Reserved
fibre_chan_transmission_media	(Optional) Fibre Chan Transmission Media
fibre_chan_speed	(Optional) Fibre Chan Speed
encoding	(Optional) Encoding
br_nominal	(Optional) BR Nominal
reserved1	(Optional) Reserved1
length_smf	(Optional) Length_SMF
length_om3	(Optional) Length_OM3
length_om2	(Optional) Length_OM2
length_om1	(Optional) Length_OM1

length_9u_1	(Optional) Length 9u 1
length_9u_2	(Optional) Length 9u 2
length_50u	(Optional) Length 50u
length_60u	(Optional) Length 60u
length_copper	(Optional) Length Copper
reserved3	(Optional) Reserved3
vendor_oui	(Optional) Vendor OUI
vendor_part_no	(Optional) Vendor Part No
vendor_revision	(Optional) Vendor Revision
reserved4	(Optional) Reserved4
check_code_id	(Optional) Check Code ID
options	(Optional) Options
br_max	(Optional) BR max
br_min	(Optional) BR min
vendor_serial_no	(Optional) Vendor Serial No
data_code	(Optional) Data code
diagnostic_monitoring_type	(Optional) Diagnostic Monitoring Type
enhanced_options	(Optional) Enhanced Options
sff8472compliance	(Optional) SFF8472Compliance
check_code_ext	(Optional) Check code ext
vendor_specific_data_id_data	(Optional) Vendor Specific Data Id Data
info_not_available	(Optional) Info not available
temp_slope	(Optional) Temperature slope
temp_offset	(Optional) Temperature offset
volt_slope	(Optional) Voltage slope
volt_offset	(Optional) Voltage offset
curr_slope	(Optional) Current slope
curr_offset	(Optional) Current offset
tx_pwr_slope	(Optional) Tx power slope

tx_pwr_offset	(Optional) Tx power offset
rx_pwr_4	(Optional) Rx power 4
rx_pwr_3	(Optional) Rx power 3
rx_pwr_2	(Optional) Rx power 2
rx_pwr_1	(Optional) Rx power 1
rx_pwr_0	(Optional) Rx power 0
TABLE_lane	(Optional) show lane
lane_number	(Optional) Lane number
temperature	(Optional) Temperature
temp_flag	(Optional) Temperature Flag
temp_alrm_hi	(Optional) Temperature Alarm High
temp_alrm_lo	(Optional) Temperature Alarm Low
temp_warn_hi	(Optional) Temperature Warning High
temp_warn_lo	(Optional) Temperature Warning Low
voltage	(Optional) Voltage
volt_flag	(Optional) Voltage Flag
volt_alrm_hi	(Optional) Voltage Alarm High
volt_alrm_lo	(Optional) Voltage Alarm Low
volt_warn_hi	(Optional) Voltage Warning High
volt_warn_lo	(Optional) Voltage Warning Low
current	(Optional) Current
current_flag	(Optional) Current Flag
current_alrm_hi	(Optional) Current Alarm High
current_alrm_lo	(Optional) Current Alarm Low
current_warn_hi	(Optional) Current Warning High
current_warn_lo	(Optional) Current Warning Low
tx_pwr	(Optional) Tx Power
tx_pwr_flag	(Optional) Tx Power Flag
tx_pwr_alrm_hi	(Optional) Tx Power Alarm High

tx_pwr_alrm_lo	(Optional) Tx Power Alarm Low
tx_pwr_warn_hi	(Optional) Tx Power Warning High
tx_pwr_warn_lo	(Optional) Tx Power Warning Low
rx_pwr	(Optional) Rx Power
rx_pwr_flag	(Optional) Rx Power Flag
rx_pwr_alrm_hi	(Optional) Rx Power Alarm High
rx_pwr_alrm_lo	(Optional) Rx Power Alarm Low
rx_pwr_warn_hi	(Optional) Rx Power Warning High
rx_pwr_warn_lo	(Optional) Rx Power Warning Low
xmit_faults	(Optional) Transmit Fault Count
snr	(Optional) RX Signal-to-Noise Ratio (SNR)
snr_flag	(Optional) SNR Flag
snr_alrm_hi	(Optional) SNR Alarm High
snr_alrm_lo	(Optional) SNR Alarm Low
snr_warn_hi	(Optional) SNR Warning High
snr_warn_lo	(Optional) SNR Warning Low
isi	(Optional) Residual-Dispersion(ISI)
isi_flag	(Optional) ISI Flag
isi_alrm_hi	(Optional) ISI alarm high
isi_alrm_lo	(Optional) ISI alarm low
isi_warn_hi	(Optional) ISI warning high
isi_warn_lo	(Optional) ISI warning low
pam	(Optional) PAM Transition
pam_flag	(Optional) PAM Flag
pam_alrm_hi	(Optional) PAM alarm high
pam_alrm_lo	(Optional) PAM alarm low
pam_warn_hi	(Optional) PAM warning high
pam_warn_lo	(Optional) PAM warning low
pre_fec_ber	(Optional) Pre-FEC BER

pre_fec_ber_flag	(Optional) Pre-FEC BER flag
pre_fec_ber_alrm_hi	(Optional) Pre-FEC BER alarm high
pre_fec_ber_alrm_lo	(Optional) Pre-FEC BER alarm low
pre_fec_ber_warn_hi	(Optional) Pre-FEC BER warning high
pre_fec_ber_warn_lo	(Optional) Pre-FEC BER warning low
uncorrect_ber	(Optional) Uncorrected BER
uncorrect_ber_flag	(Optional) Uncorrected BER flag
uncorrect_ber_alrm_hi	(Optional) Uncorrected BER alarm high
uncorrect_ber_alrm_lo	(Optional) Uncorrected BER alarm low
uncorrect_ber_warn_hi	(Optional) Uncorrected BER warning high
uncorrect_ber_warn_lo	(Optional) Uncorrected BER warning low
tec_current	(Optional) TEC Current
tec_current_flag	(Optional) TEC Current flag
tec_current_alrm_hi	(Optional) TEC Current Alarm High
tec_current_alrm_lo	(Optional) TEC Current Alarm Low
tec_current_warn_hi	(Optional) TEC Current Warning High
tec_current_warn_lo	(Optional) TEC Current Warning Low
laser_freq	(Optional) Laser Frequency
laser_freq_flag	(Optional) Laser Frequency flag
laser_freq_alrm_hi	(Optional) Laser Frequency Alarm High
laser_freq_alrm_lo	(Optional) Laser Frequency Alarm Low
laser_freq_warn_hi	(Optional) Laser Frequency Warning High
laser_freq_warn_lo	(Optional) Laser Frequency Warning Low
laser_temp	(Optional) Laser Temperature
laser_temp_flag	(Optional) Laser Temperature flag
laser_temp_alrm_hi	(Optional) Laser Temperature Alarm High
laser_temp_alrm_lo	(Optional) Laser Temperature Alarm Low
laser_temp_warn_hi	(Optional) Laser Temperature Warning High
laser_temp_warn_lo	(Optional) Laser Temperature Warning Low

pre_fec_ber_acc	(Optional) Pre-FEC BER Acc
pre_fec_ber_acc_flag	(Optional) Pre-FEC BER Acc flag
pre_fec_ber_acc_alrm_hi	(Optional) Pre-FEC BER Acc alarm high
pre_fec_ber_acc_alrm_lo	(Optional) Pre-FEC BER Acc alarm low
pre_fec_ber_acc_warn_hi	(Optional) Pre-FEC BER Acc warning high
pre_fec_ber_acc_warn_lo	(Optional) Pre-FEC BER Acc warning low
pre_fec_ber_min	(Optional) Pre-FEC BER Min
pre_fec_ber_min_flag	(Optional) Pre-FEC BER Min flag
pre_fec_ber_min_alrm_hi	(Optional) Pre-FEC BER Min alarm high
pre_fec_ber_min_alrm_lo	(Optional) Pre-FEC BER Min alarm low
pre_fec_ber_min_warn_hi	(Optional) Pre-FEC BER Min warning high
pre_fec_ber_min_warn_lo	(Optional) Pre-FEC BER Min warning low
pre_fec_ber_max	(Optional) Pre-FEC BER Max
pre_fec_ber_max_flag	(Optional) Pre-FEC BER Max flag
pre_fec_ber_max_alrm_hi	(Optional) Pre-FEC BER Max alarm high
pre_fec_ber_max_alrm_lo	(Optional) Pre-FEC BER Max alarm low
pre_fec_ber_max_warn_hi	(Optional) Pre-FEC BER Max warning high
pre_fec_ber_max_warn_lo	(Optional) Pre-FEC BER Max warning low
pre_fec_ber_cur	(Optional) Pre-FEC BER Cur
pre_fec_ber_cur_flag	(Optional) Pre-FEC BER Cur flag
pre_fec_ber_cur_alrm_hi	(Optional) Pre-FEC BER Cur alarm high
pre_fec_ber_cur_alrm_lo	(Optional) Pre-FEC BER Cur alarm low
pre_fec_ber_cur_warn_hi	(Optional) Pre-FEC BER Cur warning high
pre_fec_ber_cur_warn_lo	(Optional) Pre-FEC BER Cur warning low
uncorrect_ber_acc	(Optional) Uncorrected BER Acc
uncorrect_ber_acc_flag	(Optional) Uncorrected BER Acc flag
uncorrect_ber_acc_alrm_hi	(Optional) Uncorrected BER Acc alarm high
uncorrect_ber_acc_alrm_lo	(Optional) Uncorrected BER Acc alarm low
uncorrect_ber_acc_warn_hi	(Optional) Uncorrected BER Acc warning high

uncorrect_ber_acc_warn_lo	(Optional) Uncorrected BER Acc warning low
uncorrect_ber_min	(Optional) Uncorrected BER Min
uncorrect_ber_min_flag	(Optional) Uncorrected BER Min flag
uncorrect_ber_min_alrm_hi	(Optional) Uncorrected BER Min alarm high
uncorrect_ber_min_alrm_lo	(Optional) Uncorrected BER Min alarm low
uncorrect_ber_min_warn_hi	(Optional) Uncorrected BER Min warning high
uncorrect_ber_min_warn_lo	(Optional) Uncorrected BER Min warning low
uncorrect_ber_max	(Optional) Uncorrected BER Max
uncorrect_ber_max_flag	(Optional) Uncorrected BER Max flag
uncorrect_ber_max_alrm_hi	(Optional) Uncorrected BER Max alarm high
uncorrect_ber_max_alrm_lo	(Optional) Uncorrected BER Max alarm low
uncorrect_ber_max_warn_hi	(Optional) Uncorrected BER Max warning high
uncorrect_ber_max_warn_lo	(Optional) Uncorrected BER Max warning low
uncorrect_ber_cur	(Optional) Uncorrected BER Cur
uncorrect_ber_cur_flag	(Optional) Uncorrected BER Cur flag
uncorrect_ber_cur_alrm_hi	(Optional) Uncorrected BER Cur alarm high
uncorrect_ber_cur_alrm_lo	(Optional) Uncorrected BER Cur alarm low
uncorrect_ber_cur_warn_hi	(Optional) Uncorrected BER Cur warning high
uncorrect_ber_cur_warn_lo	(Optional) Uncorrected BER Cur warning low

Command Mode

- /exec

show interface transceiver fex-fabric

show interface transceiver fex-fabric [calibrations | details] [__readonly__ TABLE_interface <interface> [<sfp>] [<type>] [<name>] [<partnum>] [<rev>] [<serialnum>] [<nom_bitrate>] [<len_50>] [<len_625>] [<len_50_OM3>] [<ciscoid>] [<ciscoid_1>] [<info_not_available>] [<temp_slope>] [<temp_offset>] [<volt_slope>] [<volt_offset>] [<curr_slope>] [<curr_offset>] [<tx_pwr_slope>] [<tx_pwr_offset>] [<rx_pwr_4>] [<rx_pwr_3>] [<rx_pwr_2>] [<rx_pwr_1>] [<rx_pwr_0>] [TABLE_lane [<lane_number>] [<temperature>] [<temp_flag>] [<temp_alrm_hi>] [<temp_alrm_lo>] [<temp_warn_hi>] [<temp_warn_lo>] [<voltage>] [<volt_flag>] [<volt_alrm_hi>] [<volt_alrm_lo>] [<volt_warn_hi>] [<volt_warn_lo>] [<current>] [<current_flag>] [<current_alrm_hi>] [<current_alrm_lo>] [<current_warn_hi>] [<current_warn_lo>] [<tx_pwr>] [<tx_pwr_flag>] [<tx_pwr_alrm_hi>] [<tx_pwr_alrm_lo>] [<tx_pwr_warn_hi>] [<tx_pwr_warn_lo>] [<rx_pwr>] [<rx_pwr_flag>] [<rx_pwr_alrm_hi>] [<rx_pwr_alrm_lo>] [<rx_pwr_warn_hi>] [<rx_pwr_warn_lo>] [<xmit_faults>] [<snr>] [<snr_flag>] [<snr_alrm_hi>] [<snr_alrm_lo>] [<snr_warn_hi>] [<snr_warn_lo>] [<isi>] [<isi_flag>] [<isi_alrm_hi>] [<isi_alrm_lo>] [<isi_warn_hi>] [<isi_warn_lo>] [<pam>] [<pam_flag>] [<pam_alrm_hi>] [<pam_alrm_lo>] [<pam_warn_hi>] [<pam_warn_lo>] [<pre_fec_ber>] [<pre_fec_ber_flag>] [<pre_fec_ber_alrm_hi>] [<pre_fec_ber_alrm_lo>] [<pre_fec_ber_warn_hi>] [<pre_fec_ber_warn_lo>] [<uncorrect_ber>] [<uncorrect_ber_flag>] [<uncorrect_ber_alrm_hi>] [<uncorrect_ber_alrm_lo>] [<uncorrect_ber_warn_hi>] [<uncorrect_ber_warn_lo>] [<tec_current>] [<tec_current_flag>] [<tec_current_alrm_hi>] [<tec_current_alrm_lo>] [<tec_current_warn_hi>] [<tec_current_warn_lo>] [<laser_freq>] [<laser_freq_flag>] [<laser_freq_alrm_hi>] [<laser_freq_alrm_lo>] [<laser_freq_warn_hi>] [<laser_freq_warn_lo>] [<laser_temp>] [<laser_temp_flag>] [<laser_temp_alrm_hi>] [<laser_temp_alrm_lo>] [<laser_temp_warn_hi>] [<laser_temp_warn_lo>] [<pre_fec_ber_acc>] [<pre_fec_ber_acc_flag>] [<pre_fec_ber_acc_alrm_hi>] [<pre_fec_ber_acc_alrm_lo>] [<pre_fec_ber_acc_warn_hi>] [<pre_fec_ber_acc_warn_lo>] [<pre_fec_ber_min>] [<pre_fec_ber_min_flag>] [<pre_fec_ber_min_alrm_hi>] [<pre_fec_ber_min_alrm_lo>] [<pre_fec_ber_min_warn_hi>] [<pre_fec_ber_min_warn_lo>] [<pre_fec_ber_max>] [<pre_fec_ber_max_flag>] [<pre_fec_ber_max_alrm_hi>] [<pre_fec_ber_max_alrm_lo>] [<pre_fec_ber_max_warn_hi>] [<pre_fec_ber_max_warn_lo>] [<pre_fec_ber_cur>] [<pre_fec_ber_cur_flag>] [<pre_fec_ber_cur_alrm_hi>] [<pre_fec_ber_cur_alrm_lo>] [<pre_fec_ber_cur_warn_hi>] [<pre_fec_ber_cur_warn_lo>] [<uncorrect_ber_acc>] [<uncorrect_ber_acc_flag>] [<uncorrect_ber_acc_alrm_hi>] [<uncorrect_ber_acc_alrm_lo>] [<uncorrect_ber_acc_warn_hi>] [<uncorrect_ber_acc_warn_lo>] [<uncorrect_ber_min>] [<uncorrect_ber_min_flag>] [<uncorrect_ber_min_alrm_hi>] [<uncorrect_ber_min_alrm_lo>] [<uncorrect_ber_min_warn_hi>] [<uncorrect_ber_min_warn_lo>] [<uncorrect_ber_max>] [<uncorrect_ber_max_flag>] [<uncorrect_ber_max_alrm_hi>] [<uncorrect_ber_max_alrm_lo>] [<uncorrect_ber_max_warn_hi>] [<uncorrect_ber_max_warn_lo>] [<uncorrect_ber_cur>] [<uncorrect_ber_cur_flag>] [<uncorrect_ber_cur_alrm_hi>] [<uncorrect_ber_cur_alrm_lo>] [<uncorrect_ber_cur_warn_hi>] [<uncorrect_ber_cur_warn_lo>]]]

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information

details	(Optional) Show interface transceiver detail information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
sfp	(Optional) sfp
type	(Optional) type
name	(Optional) Name
partnum	(Optional) part number
rev	(Optional) revision
serialnum	(Optional) serial number
nom_bitrate	(Optional) Nominal bit rate in MBits/sec
len_50	(Optional) Link length supported for 50/125mm fiber
len_625	(Optional) Link length supported for 62.5/125mm fiber
len_50_OM3	(Optional) Link length supported for 50/125um fiber in m
ciscoid	(Optional) Cisco extended id
ciscoid_1	(Optional) Cisco extended id number
info_not_available	(Optional) Error case if sfp info not available
temp_slope	(Optional) Temperature slope
temp_offset	(Optional) Temperature offset
volt_slope	(Optional) Voltage slope
volt_offset	(Optional) Voltage offset
curr_slope	(Optional) Current slope
curr_offset	(Optional) Current offset
tx_pwr_slope	(Optional) Tx power slope
tx_pwr_offset	(Optional) Tx power offset
rx_pwr_4	(Optional) Rx power 4
rx_pwr_3	(Optional) Rx power 3
rx_pwr_2	(Optional) Rx power 2
rx_pwr_1	(Optional) Rx power 1

rx_pwr_0	(Optional) Rx power 0
TABLE_lane	(Optional) show lane
lane_number	(Optional) Lane number
temperature	(Optional) Temperature
temp_flag	(Optional) Temperature Flag
temp_alrm_hi	(Optional) Temperature Alarm High
temp_alrm_lo	(Optional) Temperature Alarm Low
temp_warn_hi	(Optional) Temperature Warning High
temp_warn_lo	(Optional) Temperature Warning Low
voltage	(Optional) Voltage
volt_flag	(Optional) Voltage Flag
volt_alrm_hi	(Optional) Voltage Alarm High
volt_alrm_lo	(Optional) Voltage Alarm Low
volt_warn_hi	(Optional) Voltage Warning High
volt_warn_lo	(Optional) Voltage Warning Low
current	(Optional) Current
current_flag	(Optional) Current Flag
current_alrm_hi	(Optional) Current Alarm High
current_alrm_lo	(Optional) Current Alarm Low
current_warn_hi	(Optional) Current Warning High
current_warn_lo	(Optional) Current Warning Low
tx_pwr	(Optional) Tx Power
tx_pwr_flag	(Optional) Tx Power Flag
tx_pwr_alrm_hi	(Optional) Tx Power Alarm High
tx_pwr_alrm_lo	(Optional) Tx Power Alarm Low
tx_pwr_warn_hi	(Optional) Tx Power Warning High
tx_pwr_warn_lo	(Optional) Tx Power Warning Low
rx_pwr	(Optional) Rx Power
rx_pwr_flag	(Optional) Rx Power Flag

rx_pwr_alrm_hi	(Optional) Rx Power Alarm High
rx_pwr_alrm_lo	(Optional) Rx Power Alarm Low
rx_pwr_warn_hi	(Optional) Rx Power Warning High
rx_pwr_warn_lo	(Optional) Rx Power Warning Low
xmit_faults	(Optional) Transmit Fault Count
snr	(Optional) RX Signal-to-Noise Ratio (SNR)
snr_flag	(Optional) SNR Flag
snr_alrm_hi	(Optional) SNR Alarm High
snr_alrm_lo	(Optional) SNR Alarm Low
snr_warn_hi	(Optional) SNR Warning High
snr_warn_lo	(Optional) SNR Warning Low
isi	(Optional) Residual-Dispersion(ISI)
isi_flag	(Optional) ISI Flag
isi_alrm_hi	(Optional) ISI alarm high
isi_alrm_lo	(Optional) ISI alarm low
isi_warn_hi	(Optional) ISI warning high
isi_warn_lo	(Optional) ISI warning low
pam	(Optional) PAM Transition
pam_flag	(Optional) PAM Flag
pam_alrm_hi	(Optional) PAM alarm high
pam_alrm_lo	(Optional) PAM alarm low
pam_warn_hi	(Optional) PAM warning high
pam_warn_lo	(Optional) PAM warning low
pre_fec_ber	(Optional) Pre-FEC BER
pre_fec_ber_flag	(Optional) Pre-FEC BER flag
pre_fec_ber_alrm_hi	(Optional) Pre-FEC BER alarm high
pre_fec_ber_alrm_lo	(Optional) Pre-FEC BER alarm low
pre_fec_ber_warn_hi	(Optional) Pre-FEC BER warning high
pre_fec_ber_warn_lo	(Optional) Pre-FEC BER warning low

uncorrect_ber	(Optional) Uncorrected BER
uncorrect_ber_flag	(Optional) Uncorrected BER flag
uncorrect_ber_alrm_hi	(Optional) Uncorrected BER alarm high
uncorrect_ber_alrm_lo	(Optional) Uncorrected BER alarm low
uncorrect_ber_warn_hi	(Optional) Uncorrected BER warning high
uncorrect_ber_warn_lo	(Optional) Uncorrected BER warning low
tec_current	(Optional) TEC Current
tec_current_flag	(Optional) TEC Current flag
tec_current_alrm_hi	(Optional) TEC Current Alarm High
tec_current_alrm_lo	(Optional) TEC Current Alarm Low
tec_current_warn_hi	(Optional) TEC Current Warning High
tec_current_warn_lo	(Optional) TEC Current Warning Low
laser_freq	(Optional) Laser Frequency
laser_freq_flag	(Optional) Laser Frequency flag
laser_freq_alrm_hi	(Optional) Laser Frequency Alarm High
laser_freq_alrm_lo	(Optional) Laser Frequency Alarm Low
laser_freq_warn_hi	(Optional) Laser Frequency Warning High
laser_freq_warn_lo	(Optional) Laser Frequency Warning Low
laser_temp	(Optional) Laser Temperature
laser_temp_flag	(Optional) Laser Temperature flag
laser_temp_alrm_hi	(Optional) Laser Temperature Alarm High
laser_temp_alrm_lo	(Optional) Laser Temperature Alarm Low
laser_temp_warn_hi	(Optional) Laser Temperature Warning High
laser_temp_warn_lo	(Optional) Laser Temperature Warning Low
pre_fec_ber_acc	(Optional) Pre-FEC BER Acc
pre_fec_ber_acc_flag	(Optional) Pre-FEC BER Acc flag
pre_fec_ber_acc_alrm_hi	(Optional) Pre-FEC BER Acc alarm high
pre_fec_ber_acc_alrm_lo	(Optional) Pre-FEC BER Acc alarm low
pre_fec_ber_acc_warn_hi	(Optional) Pre-FEC BER Acc warning high

pre_fec_ber_acc_warn_lo	(Optional) Pre-FEC BER Acc warning low
pre_fec_ber_min	(Optional) Pre-FEC BER Min
pre_fec_ber_min_flag	(Optional) Pre-FEC BER Min flag
pre_fec_ber_min_alrm_hi	(Optional) Pre-FEC BER Min alarm high
pre_fec_ber_min_alrm_lo	(Optional) Pre-FEC BER Min alarm low
pre_fec_ber_min_warn_hi	(Optional) Pre-FEC BER Min warning high
pre_fec_ber_min_warn_lo	(Optional) Pre-FEC BER Min warning low
pre_fec_ber_max	(Optional) Pre-FEC BER Max
pre_fec_ber_max_flag	(Optional) Pre-FEC BER Max flag
pre_fec_ber_max_alrm_hi	(Optional) Pre-FEC BER Max alarm high
pre_fec_ber_max_alrm_lo	(Optional) Pre-FEC BER Max alarm low
pre_fec_ber_max_warn_hi	(Optional) Pre-FEC BER Max warning high
pre_fec_ber_max_warn_lo	(Optional) Pre-FEC BER Max warning low
pre_fec_ber_cur	(Optional) Pre-FEC BER Cur
pre_fec_ber_cur_flag	(Optional) Pre-FEC BER Cur flag
pre_fec_ber_cur_alrm_hi	(Optional) Pre-FEC BER Cur alarm high
pre_fec_ber_cur_alrm_lo	(Optional) Pre-FEC BER Cur alarm low
pre_fec_ber_cur_warn_hi	(Optional) Pre-FEC BER Cur warning high
pre_fec_ber_cur_warn_lo	(Optional) Pre-FEC BER Cur warning low
uncorrect_ber_acc	(Optional) Uncorrected BER Acc
uncorrect_ber_acc_flag	(Optional) Uncorrected BER Acc flag
uncorrect_ber_acc_alrm_hi	(Optional) Uncorrected BER Acc alarm high
uncorrect_ber_acc_alrm_lo	(Optional) Uncorrected BER Acc alarm low
uncorrect_ber_acc_warn_hi	(Optional) Uncorrected BER Acc warning high
uncorrect_ber_acc_warn_lo	(Optional) Uncorrected BER Acc warning low
uncorrect_ber_min	(Optional) Uncorrected BER Min
uncorrect_ber_min_flag	(Optional) Uncorrected BER Min flag
uncorrect_ber_min_alrm_hi	(Optional) Uncorrected BER Min alarm high
uncorrect_ber_min_alrm_lo	(Optional) Uncorrected BER Min alarm low

uncorrect_ber_min_warn_hi	(Optional) Uncorrected BER Min warning high
uncorrect_ber_min_warn_lo	(Optional) Uncorrected BER Min warning low
uncorrect_ber_max	(Optional) Uncorrected BER Max
uncorrect_ber_max_flag	(Optional) Uncorrected BER Max flag
uncorrect_ber_max_alrm_hi	(Optional) Uncorrected BER Max alarm high
uncorrect_ber_max_alrm_lo	(Optional) Uncorrected BER Max alarm low
uncorrect_ber_max_warn_hi	(Optional) Uncorrected BER Max warning high
uncorrect_ber_max_warn_lo	(Optional) Uncorrected BER Max warning low
uncorrect_ber_cur	(Optional) Uncorrected BER Cur
uncorrect_ber_cur_flag	(Optional) Uncorrected BER Cur flag
uncorrect_ber_cur_alrm_hi	(Optional) Uncorrected BER Cur alarm high
uncorrect_ber_cur_alrm_lo	(Optional) Uncorrected BER Cur alarm low
uncorrect_ber_cur_warn_hi	(Optional) Uncorrected BER Cur warning high
uncorrect_ber_cur_warn_lo	(Optional) Uncorrected BER Cur warning low

Command Mode

- /exec

show interface transceiver fex-fabric

show interface <ifeth_trans> transceiver fex-fabric [calibrations | details] [__readonly__ TABLE_interface <interface> <sfp> <name> <partnum> <rev> <serialnum> <nom_bitrate> <len_50> <len_625> <ciscoid> <ciscoid_1> [<temp_slope>] [<temp_offset>] [<volt_slope>] [<volt_offset>] [<curr_slope>] [<curr_offset>] [<tx_pwr_slope>] [<tx_pwr_offset>] [<rx_pwr_4>] [<rx_pwr_3>] [<rx_pwr_2>] [<rx_pwr_1>] [<rx_pwr_0>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_trans	Enter interface type and number in module/slot format
transceiver	Show interface transceiver information
fex-fabric	Show FEX interface transceiver information
calibrations	(Optional) Show interface transceiver calibration information
details	(Optional) Show interface transceiver detail information
__readonly__	(Optional) Read Only
interface	(Optional) Interface index
TABLE_interface	(Optional) show interface
sfp	(Optional) sfp
name	(Optional) Name
partnum	(Optional) part number
rev	(Optional) revision
serialnum	(Optional) serial number
nom_bitrate	(Optional) Nominal bit rate in MBits/sec
len_50	(Optional) Link length supported for 50/125mm fiber
len_625	(Optional) Link length supported for 62.5/125mm fiber
ciscoid	(Optional) Cisco extended id
ciscoid_1	(Optional) Cisco extended id number
temp_slope	(Optional) Temperature slope
temp_offset	(Optional) Temperature offset
volt_slope	(Optional) Voltage slope

volt_offset	(Optional) Voltage offset
curr_slope	(Optional) Current slope
curr_offset	(Optional) Current offset
tx_pwr_slope	(Optional) Tx power slope
tx_pwr_offset	(Optional) Tx power offset
rx_pwr_4	(Optional) Rx power 4
rx_pwr_3	(Optional) Rx power 3
rx_pwr_2	(Optional) Rx power 2
rx_pwr_1	(Optional) Rx power 1
rx_pwr_0	(Optional) Rx power 0

Command Mode

- /exec

show interface transceiver inventory

show interface transceiver inventory

Syntax Description

show	Show running system information
interface	Show interface status and information
transceiver	Show interface transceiver information
inventory	Show interface transceiver inventory

Command Mode

- /exec

show interface trunk

show interface trunk [module <module> | vlan <vlan_id> | fex <fex_num>] [__readonly__ [{ TABLE_interface <interface> <native> <status> <portchannel> }] [{ TABLE_allowed_vlans <interface> <allowedvlans> }] [{ TABLE_errored_vlans <interface> <erroredvlans> }] [{ TABLE_stp_forward <interface> <stpfwd_vlans> }] [{ TABLE_fabricpath_vlans <interface> <fabricpath_vlans> }] [{ TABLE_vtp_pruning <interface> <vtppruning_vlans> }]]

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
module	(Optional) Limit display to interfaces on module
module	(Optional) Enter module number
fex	(Optional) Limit display to interfaces on a FEX
fex_num	(Optional) Enter FEX number
vlan	(Optional) Show per vlan information for trunk
vlan_id	(Optional) Enter vlan range
interface	(Optional) Interface index
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
native	(Optional) Native VLAN
status	(Optional) Status
portchannel	(Optional) Port Channel
TABLE_allowed_vlans	(Optional) show allowed vlans
interface	(Optional) Interface index
allowedvlans	(Optional) VLANs allowed and active in management domain
TABLE_errored_vlans	(Optional) show errored vlans
interface	(Optional) Interface index
erroredvlans	(Optional) Errored VLANs
TABLE_stp_forward	(Optional) show STP forwarding VLANs

interface	(Optional) Interface index
stpfwd_vlans	(Optional) STP Forwarding VLANs
TABLE_fabricpath_vlans	(Optional) show fabricpath VLANs
interface	(Optional) Interface index
fabricpath_vlans	(Optional) FabricPath VLANs
TABLE_vtp_pruning	(Optional) show VTP pruning VLANs
vtppruning_vlans	(Optional) VTP Pruning VLANs

Command Mode

- /exec

show interface trunk

show interface <ifeth_trnk> trunk [__readonly__ { TABLE_interface <interface> <native> <status> <portchannel> } { TABLE_allowed_vlans <interface> <allowedvlans> } { TABLE_errored_vlans <interface> <erroredvlans> } { TABLE_stp_forward <interface> <stpfwd_vlans> } [{ TABLE_fabricpath_vlans <interface> <fabricpath_vlans> }] { TABLE_vtp_pruning <interface> <vtppruning_vlans> }]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifeth_trnk	Enter interface type and number in module/slot format
trunk	Show interface trunk information
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) show interface
interface	(Optional) Interface index
native	(Optional) Native VLAN
status	(Optional) Status
portchannel	(Optional) Port Channel
TABLE_allowed_vlans	(Optional) show allowed vlans
interface	(Optional) Interface index
allowedvlans	(Optional) VLANs allowed and active in management domain
TABLE_errored_vlans	(Optional) show errored vlans
interface	(Optional) Interface index
erroredvlans	(Optional) Errored VLANs
TABLE_stp_forward	(Optional) show STP forwarding VLANs
interface	(Optional) Interface index
stpfwd_vlans	(Optional) STP Forwarding VLANs
TABLE_fabricpath_vlans	(Optional) show fabricpath VLANs
interface	(Optional) Interface index
fabricpath_vlans	(Optional) FabricPath VLANs
TABLE_vtp_pruning	(Optional) show VTP pruning VLANs

interface	(Optional) Interface index
vtppruning_vlans	(Optional) VTP Pruning VLANs

Command Mode

- /exec

show interface trunk vsan

show interface <ifid_trnk> trunk vsan [<vsan_id>]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_trnk	Enter interface type and number in module/slot format
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
vsan_id	(Optional) Enter vsan range

Command Mode

- /exec

show interface trunk vsan

show interface trunk vsan [<vsan_id>] [__readonly__ { TABLE_interface_trunk [<interface>] [<oper_state>] [<oper_state_reason>] [<bundle_str>] [TABLE_vsan_info { [<vsan_num>] [<vsan_state>] [<vsan_state_reason>] [<fcid>] }] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
vsan_id	(Optional) Enter vsan range
__readonly__	(Optional)
TABLE_interface_trunk	(Optional) interface trunk table
interface	(Optional) fc interface
oper_state	(Optional) the status of trunking
oper_state_reason	(Optional) reason for operation state
bundle_str	(Optional) bundle string
TABLE_vsan_info	(Optional) vsan information
vsan_num	(Optional) the vsan ID
vsan_state	(Optional) the ststus of vsan
vsan_state_reason	(Optional) reason for vsan state
fcid	(Optional) FCID

Command Mode

- /exec

show interface trunk vsan

show interface <ifid_trnk> trunk vsan [<vsan_id>] [__readonly__ { TABLE_interface_trunk [<interface>] [<oper_state>] [<oper_state_reason>] [<bundle_str>] [TABLE_vsan_info { [<vsan_num>] [<vsan_state>] [<vsan_state_reason>] [<fcid>] }] }]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifid_trnk	Enter interface type and number in module/slot format
trunk	Show interface trunk information
vsan	Show per vsan information for trunk
vsan_id	(Optional) Enter vsan range
__readonly__	(Optional) Read Only
TABLE_interface_trunk	(Optional) interface trunk table
interface	(Optional) fc interface
oper_state	(Optional) the status of trunking
oper_state_reason	(Optional) reason for operation state
bundle_str	(Optional) bundle string
TABLE_vsan_info	(Optional) vsan information
vsan_num	(Optional) the vsan ID
vsan_state	(Optional) the ststus of vsan
vsan_state_reason	(Optional) reason for vsan state
fcid	(Optional) FCID

Command Mode

- /exec

show interface untagged-cos

show interface untagged-cos [module <mod_num>] [__readonly__ <interface> <ucos-value>]

Syntax Description

show	Show running system information
interface	Show interface status and information
untagged-cos	Show interface untagged CoS information
module	(Optional) Limit display to interfaces on module
mod_num	(Optional) Enter module number
__readonly__	(Optional)
interface	(Optional) Interface index
ucos-value	(Optional) COS value

Command Mode

- /exec

show interface vlan mapping

show interface <ifindex> vlan mapping [__readonly__ <if-index-id> { TABLE_vlan_xlt <orig-vlan-id> [<inner-vlan-id>] <xlt-vlan-id> } <show-end> [<true-end>]]

Syntax Description

show	Show running system information
interface	Show interface status and information
ifindex	Enter interface type and number in module/slot format
vlan	Show VLAN information
mapping	VLAN translation mapping
__readonly__	(Optional) Read Only
TABLE_vlan_xlt	(Optional) Vlan translation table
if-index-id	(Optional) Interface index id
orig-vlan-id	(Optional) Original Vlan Id
inner-vlan-id	(Optional) Inner Vlan Id
xlt-vlan-id	(Optional) Translated Vlan Id
show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker

Command Mode

- /exec

show inventory

show inventory [chassis | fans | power_supply | module [<module>] | <s0> [<santa-cruz-range>] | all] [__readonly__ TABLE_inv <name> <desc> <productid> <vendorid> <serialnum>]

Syntax Description

show	Show running system information
inventory	system inventory information
chassis	(Optional) system inventory chassis information
fans	(Optional) system inventory fan information
power_supply	(Optional) system inventory power supply information
module	(Optional) system inventory module information
module	(Optional) please enter the module number
s0	(Optional) please enter the module number
santa-cruz-range	(Optional) please enter the xbar number
all	(Optional) system and transceiver inventory information
__readonly__	(Optional)
TABLE_inv	(Optional) Inventory table
name	(Optional) Name of inventory
desc	(Optional) Description of inventory
productid	(Optional) Product ID
vendorid	(Optional) Vendor ID
serialnum	(Optional) Serial Number

Command Mode

- /exec

show ip adjacency

show ip adjacency [<interface> [summary] | <ip-addr> [non-best | detail] | detail | summary | non-best | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<invalid_pkt_cnt>] [<invalid_byte_cnt>] [<global_drop_pkt_cnt>] [<global_drop_byte_cnt>] [<global_punt_pkt_cnt>] [<global_punt_byte_cnt>] [<global_glean_pkt_cnt>] [<global_glean_byte_cnt>] [<glean_pkt_cnt>] [<glean_byte_cnt>] [<normal_pkt_cnt>] [<normal_byte_cnt>] [<last_updated>] [<count-static>] [<count-dynamic>] [<count-others>] [<count-throttle>] [<count-total>] [TABLE_vrf <vrf-name-out> [TABLE_afi <afi> <count> [TABLE_adj [<intf-out>] [<ip-addr-out>] [<phy-intf>] [<mac>] [<pref>] [<owner>] [<pkt-count>] [<byte-count>] [<is-best>] [<is-thrtld>]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
adjacency	Display adjacency table
interface	(Optional) Display specific interface adjacencies only
ip-addr	(Optional) IPV4 source address
detail	(Optional) Show detail information of adjacency entries
summary	(Optional) Show adjacency summary
non-best	(Optional) Show both best/non-best entries
throttle	(Optional) Throttle
statistics	(Optional) Show adjacency statistics
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Show adjacency entries for all vrfs
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
vrf-name-out	(Optional) VRF name
invalid_pkt_cnt	(Optional) Invalid packet count
invalid_byte_cnt	(Optional) Invalid byte count
global_drop_pkt_cnt	(Optional) Global drop packet count
global_drop_byte_cnt	(Optional) Global drop byte count

global_punt_pkt_cnt	(Optional) Global packet punt count
global_punt_byte_cnt	(Optional) Global byte punt count
global_glean_pkt_cnt	(Optional) Global glean packet count
global_glean_byte_cnt	(Optional) Global glean byte count
glean_pkt_cnt	(Optional) Glean packet count
glean_byte_cnt	(Optional) Glean byte count
normal_pkt_cnt	(Optional) Packet count
normal_byte_cnt	(Optional) Byte count
last_updated	(Optional) Last updated
count-static	(Optional) Count static
count-dynamic	(Optional) Count dynamic
count-others	(Optional) Count others
count-throttle	(Optional) Count throttle
count-total	(Optional) Count total
TABLE_afi	(Optional) TABLR afi
afi	(Optional) afi
count	(Optional) count
TABLE_adj	(Optional) Adjacency table
intf-out	(Optional) Interface
phy-intf	(Optional) Physical interface
ip-addr-out	(Optional) IP address
mac	(Optional) MAC address
pref	(Optional) Preference
owner	(Optional) Owner
pkt-count	(Optional) Packet count
byte-count	(Optional) Byte count
is-best	(Optional) Best
is-thrtld	(Optional) Throttled

Command Mode

- /exec

show ip amt relay

show { ip | ipv6 } amt relay [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ TABLE_vrf <vrf> <tut> <ra> <nds> <ldn> <nts> <lrn> <lra> <lq> <uc> <rc4> <rc6>]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
amt	AMT show commands
relay	Display status information about the AMT Relay
__readonly__	(Optional)
TABLE_vrf	(Optional)
tut	(Optional)
ra	(Optional)
vrf	(Optional)
nds	(Optional)
ldn	(Optional)
nts	(Optional)
lrn	(Optional)
lra	(Optional)
lq	(Optional)
uc	(Optional)
rc4	(Optional)
rc6	(Optional)

Command Mode

- /exec

show ip amt route

show { ip | ipv6 } amt route [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ TABLE_vrf <vrf> <rc4> <rc6> { TABLE_route <addrs> <if> <nbr> <gwa> <gw_exp> }]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
vrf	(Optional) Display information for VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
amt	AMT show commands
route	Display multicast routes learned via AMT
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
rc4	(Optional)
rc6	(Optional)
TABLE_route	(Optional)
addrs	(Optional)
if	(Optional)
nbr	(Optional)
gwa	(Optional)
gw_exp	(Optional)

Command Mode

- /exec

show ip amt tunnel

show ip amt tunnel [<address4> <port>] [detail] [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ TABLE_vrf <vrf> <tc4> { TABLE_tunnel <gwa> <gwp> <ut> <ld> <lr> <rc> <exp> { TABLE_route <source> <group> <rexp> } }]

Syntax Description

show	Show running system information
amt	AMT show commands
ip	Display IP information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
address4	(Optional) IP address of tunnel endpoint
port	(Optional) UDP port number of gateway
detail	(Optional) Display routes joined by tunnel endpoint
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
tc4	(Optional)
TABLE_tunnel	(Optional)
gwa	(Optional)
gwp	(Optional)
ut	(Optional)
ld	(Optional)
lr	(Optional)
rc	(Optional)
exp	(Optional)
TABLE_route	(Optional)
source	(Optional)

group	(Optional)
rexp	(Optional)

Command Mode

- /exec

show ip arp

show ip arp [[[<ip-address> | [sync-entries | fhrp-non-active-learn] [detail] | static | summary | [summary] <interface>]] [vrf { <vrf-name> | <vrf-known-name> | all }]] [__readonly__ TABLE_vrf <vrf-name-out> [<cnt-resolved>] [<cnt-incomplete>] [<cnt-thrtld-incomplete>] [<cnt-unknown>] [<cnt-total>] [TABLE_adj <intf-out> <ip-addr-out> [<time-stamp>] { <mac> | <unknown> | <incomplete> } [<phy-intf>] [<flags>]]]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
summary	(Optional) Display ARP adjacency summary
detail	(Optional) Display detailed information
sync-entries	(Optional) Display ARP table learnt only due to arp table sync
fhrp-non-active-learn	(Optional) Display ARP table learnt only due to request for non-active FHRP address
interface	(Optional) ARP interface
ip-address	(Optional) IP address
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display ARP entries for all vrfs
static	(Optional) Display Static ARP entries
__readonly__	(Optional)
TABLE_vrf	(Optional) Show VRF table
vrf-name-out	(Optional) Show VRF name
cnt-resolved	(Optional) Show total resolved ARP entries
cnt-incomplete	(Optional) Show total incomplete ARP entreis
cnt-thrtld-incomplete	(Optional) Show total incomplete throttled entries
cnt-unknown	(Optional) Show total unknow entris
cnt-total	(Optional) Show total

TABLE_adj	(Optional) Show IP ARP
intf-out	(Optional) Show interface
ip-addr-out	(Optional) Show ip address
time-stamp	(Optional) Show age of adjacency
mac	(Optional) Show mac
unknown	(Optional) Show unknown entry
incomplete	(Optional) Show incomplete entry
phy-intf	(Optional) Show physical interface
flags	(Optional) Show flags

Command Mode

- /exec

show ip arp anycast topo-info

show ip arp anycast topo-info [<topo-id>] [__readonly__ { TABLE_ip_arp_anycast_topo_info [<ip_arp_anycat_topo_id>] [<ip_arp_anycast_feature>] [<ip_arp_anycast_mode>] }]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
anycast	anycast feature info
topo-info	Per topology specific information
topo-id	(Optional) Topology ID (VLAN-ID or BD-ID)
__readonly__	(Optional)
TABLE_ip_arp_anycast_topo_info	(Optional) Show ip arp anycast topo-info
ip_arp_anycat_topo_id	(Optional) Show ARP anycast topo-id
ip_arp_anycast_feature	(Optional) Show ARP anycast feature
ip_arp_anycast_mode	(Optional) Show ARP anycast mode

Command Mode

- /exec

show ip arp client

show ip arp client [__readonly__ { <arp-clients> } [TABLE_arp_client_list { <arp-cli-uuid> <l2-client-type> <client-flg> <mts-addr-sap> <cli-msg-cnt> [<l2-cli-func-name>] [<l2-cli-dbg-func>] [<l2-cli-dbg-un-init-func>] }]]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
client	Display ARP Client table
__readonly__	(Optional)
arp-clients	(Optional) Number of ARP Clients
TABLE_arp_client_list	(Optional) Show ip arp client
arp-cli-uuid	(Optional) Protocol uuid
l2-client-type	(Optional) Client type
client-flg	(Optional) Flags
mts-addr-sap	(Optional) SAP
cli-msg-cnt	(Optional) Client message count
l2-cli-func-name	(Optional) Received function
l2-cli-dbg-func	(Optional) Debug init function
l2-cli-dbg-un-init-func	(Optional) Debug Un-init function

Command Mode

- /exec

show ip arp controller-statistics

show ip arp controller-statistics [__readonly__ { TABLE_ip_arp_controller_statistics [<arp_adj_controller_add_count>] [<arp_adj_controller_del_count>] [<arp_adj_controller_add_err_count>] [<arp_adj_controller_del_err>] }]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
controller-statistics	Controller statistics
__readonly__	(Optional)
TABLE_ip_arp_controller_statistics	(Optional) Show controller-statistics
arp_adj_controller_add_count	(Optional)
arp_adj_controller_del_count	(Optional)
arp_adj_controller_add_err_count	(Optional)
arp_adj_controller_del_err	(Optional)

Command Mode

- /exec

show ip arp esi

show ip arp esi [__readonly__ { TABLE_ip_arp_esi [<ip_arp_esi_interface>] [<ip_arp_esi_value>] }]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
esi	ESI information
__readonly__	(Optional)
TABLE_ip_arp_esi	(Optional) Show ip arp esi
ip_arp_esi_interface	(Optional) Interface
ip_arp_esi_value	(Optional) Values

Command Mode

- /exec

show ip arp inspection

show ip arp inspection [__readonly__ <src_mac_valid> <dest_mac_valid> <ip_addr_valid> TABLE_entry <active_vlan_id> <is_insp_enabled> <oper_state> [<acl_name>] [[<acl_logging>] <dhcp_logging>] [<req_fwded> <res_fwded> <req_dropped> <res_dropped> <dhcp_drops> <acl_drops> <dhcp_permits> <acl_permits> <req_smac_fails> <res_smac_fails> <res_dmac_fails> <req_ip_fails> <res_ip_fails>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
__readonly__	(Optional) read only
src_mac_valid	(Optional) source ethernet address in header must be same as sender mac address in arp payload
dest_mac_valid	(Optional) destination ethernet address in header must be same as target mac address in arp payload
ip_addr_valid	(Optional) validate the target ip address to filter broadcast/multicast address in arp payload
TABLE_entry	(Optional)
active_vlan_id	(Optional) active vlan id
is_insp_enabled	(Optional)
oper_state	(Optional)
acl_name	(Optional)
acl_logging	(Optional)
dhcp_logging	(Optional)

Command Mode

- /exec

show ip arp inspection interfaces

show ip arp inspection interfaces [<intf1>] [__readonly__ <intf_header> [TABLE_intf <intf2> <trust_state>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
interfaces	Trust status of all interfaces
intf1	(Optional) interface
__readonly__	(Optional)
TABLE_intf	(Optional)
intf_header	(Optional)
intf2	(Optional)
trust_state	(Optional)

Command Mode

- /exec

show ip arp inspection log

show ip arp inspection log [__readonly__ <log_buff_size> <log_rate_entries> <log_rate_interval> <log_frame>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
log	Log Buffer
__readonly__	(Optional)
log_buff_size	(Optional) number of entries per log buffer
log_rate_entries	(Optional) number of entries into log buffer per sec
log_rate_interval	(Optional) time after which log buffer is updated in sec
log_frame	(Optional) log frames in buffer

Command Mode

- /exec

show ip arp inspection statistics

show ip arp inspection statistics [vlan <vlan-range>] [__readonly__ TABLE_stats <vlanid> <req_fwded> <res_fwded> <req_dropped> <res_dropped> <dhcp_drops> [<acl_drops>] <dhcp_permits> [<acl_permits>] <req_smac_fails> <res_smac_fails> <res_dmac_fails> <req_ip_fails> <res_ip_fails>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
statistics	Status of ARP Inspection
vlan	(Optional) Selected vlan range
vlan-range	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
__readonly__	(Optional)
TABLE_stats	(Optional)
vlanid	(Optional) ip arp inspection vlan id

Command Mode

- /exec

show ip arp inspection vlan

show ip arp inspection { vlan <vlan-range> } [__readonly__ <src_vlan_mac_valid> <dest_vlan_mac_valid> <ip_vlan_addr_valid> TABLE_vlan <active_vlan_id> <is_insp_enabled> <oper_state> [<dhcp_logging>] [<acl_name>] [<acl_logging>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
arp	IP ARP table
inspection	Status of ARP Inspection
vlan	Selected vlan range
vlan-range	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
__readonly__	(Optional)
src_vlan_mac_valid	(Optional) validates header source mac address with sender mac address in arp payload
dest_vlan_mac_valid	(Optional) validates header destination mac address with target mac address in arp payload
ip_vlan_addr_valid	(Optional) filters invalid ip addresses like multicast/broadcast in arp requests/responses
TABLE_vlan	(Optional)
active_vlan_id	(Optional) active vlan id
is_insp_enabled	(Optional) ip arp inspection on vlan
oper_state	(Optional) operational on vlan
acl_name	(Optional) arp inspection access list name
acl_logging	(Optional) acl logging options
dhcp_logging	(Optional) ip arp inspection dhcp-binding logging options

Command Mode

- /exec

show ip arp multihoming-statistics

show ip arp multihoming-statistics [<interface>] [interface-all] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out2> TABLE_stat <ps-recv-add-l2rib> <ps-proc-add-l2rib> <ps-recv-del-l2rib> <ps-proc-del-l2rib> <ps-recv-pc-shut-l2rib> <ps-proc-pc-shut-l2rib> <ps-recv-remote-upd-l2rib> <ps-proc-remote-upd-l2rib> <ps-add-err-invalid-flags> <ps-del-err-invalid-flags> <ps-add-err-invalid-curr-state> <ps-del-err-invalid-curr-state> <ps-del-err-mac-mismatch> <ps-del-err-sec-del> <ps-del-err-tl-route> <tl-del-err-psro-route>]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
multihoming-statistics	Display ARP Multihoming stats
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display ARP Multihoming statistics for all vrfs
interface-all	(Optional) Display ARP Multihoming statistics for all interface
interface	(Optional) ARP interface
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
vrf-name-out2	(Optional) VRF name
TABLE_stat	(Optional) Show ip arp multihoming statistics
ps-recv-add-l2rib	(Optional) Receieved ADD from L2RIB
ps-recv-del-l2rib	(Optional) Receieved DEL from L2RIB
ps-recv-remote-upd-l2rib	(Optional) Receieved remote UPD from L2RIB
ps-recv-pc-shut-l2rib	(Optional) Receieved PC shut from L2RIB
ps-proc-add-l2rib	(Optional) Processed ADD from L2RIB
ps-proc-del-l2rib	(Optional) Processed DEL from L2RIB
ps-proc-remote-upd-l2rib	(Optional) Processed remote UPD from L2RIB
ps-proc-pc-shut-l2rib	(Optional) Processed PC shut from L2RIB

ps-add-err-invalid-flags	(Optional) Multihoming ADD error invalid flag
ps-del-err-invalid-flags	(Optional) Multihoming DEL error invalid flag
ps-add-err-invalid-curr-state	(Optional) Multihoming ADD error invalid current state
ps-del-err-invalid-curr-state	(Optional) Multihoming DEL error invalid current state
ps-del-err-mac-mismatch	(Optional) Peer sync DEL error MAC mismatch
ps-del-err-tl-route	(Optional) Peer sync DEL error second delete
tl-del-err-psro-route	(Optional) True local DEL error deleteing PS RO route
ps-del-err-sec-del	(Optional) Peer sync DEL error second delete

Command Mode

- /exec

show ip arp off-list

show ip arp off-list [{ vlan | bdi } <vlan-id>] [__readonly__ [<offlist-vlan-id> <vlan-adj-cnt>] [<arp-sync-adj-cnt>] { TABLE_arp_vlan_list <adj-vlan-id> <off-adj-ip-addr> <time-stamp> <arp-mac-addr> <off-adj-flags> }]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
off-list	Show adjacencies in off-list arp database
vlan	(Optional) Vlan id
bdi	(Optional) Bridge Domain Name/Id
vlan-id	(Optional) Show information for specified vlan
__readonly__	(Optional)
offlist-vlan-id	(Optional) Show ip arp offlist vlan-id
vlan-adj-cnt	(Optional) Show ip arp vlan adjacency count
arp-sync-adj-cnt	(Optional) Show arp sync adjacency count
TABLE_arp_vlan_list	(Optional) Show ip arp vlan list
adj-vlan-id	(Optional) Show ip arp adjacency vlan id
off-adj-ip-addr	(Optional) Show arp offlist adjacency ip address
time-stamp	(Optional) Show duration
arp-mac-addr	(Optional) Show mac address
off-adj-flags	(Optional) show offlist adjacencyy flgs

Command Mode

- /exec

show ip arp open-flow error-statistics

show ip arp open-flow error-statistics [__readonly__ { TABLE_ip_arp_open_flow_error_statistics [<arp_ofa_total_err_cnt>] [<arp_ofa_dp_adj_err_on_del>] [<arp_ofa_cp_mac_mismatch_err_on_del>] [<arp_ofa_cp_null_mac_err_on_del>] [<arp_ofa_cp_no_adj_err_on_del_flag>] [<arp_ofa_cp_cp_nh_mismatch_err_on_del>] [<arp_ofa_cp_adj_del_failure_err>] [<arp_ofa_cp_null_mac_err_on_add>] [<arp_ofa_cp_dp_mac_mismatch_err_on_add>] [<arp_ofa_cp_cp_mac_mismatch_err_on_add>] [<arp_ofa_cp_added_first_err>] [<arp_ofa_dp_overwrite_cp_err>] [<arp_ofa_dp_cp_nh_mismatch_err_on_add>] [<arp_ofa_cp_cp_nh_mismatch_err_on_add>] [<arp_ofa_cp_dp_nh_mismatch_err_on_add>] [<arp_ofa_cp_adj_add_failure_err>] [<arp_ofa_barrier_response_err>] }]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
open-flow	open flow
error-statistics	IR mode specific adjacency statistics
__readonly__	(Optional)
TABLE_ip_arp_open_flow_error_statistics	(Optional) ARP Open Flow Error Statistics
arp_ofa_total_err_cnt	(Optional) OFA total error count
arp_ofa_dp_adj_err_on_del	(Optional) Controller Deleting DP adjacency error
arp_ofa_cp_mac_mismatch_err_on_del	(Optional) CP adjacency MAC mismatch error while delete
arp_ofa_cp_null_mac_err_on_del	(Optional) CP adjacency NULL mac error while delete
arp_ofa_cp_no_adj_err_on_del_flag	(Optional) No adjacency found while delete
arp_ofa_cp_cp_nh_mismatch_err_on_del	(Optional) CP adjacency NH mismatch error while delete
arp_ofa_cp_adj_del_failure_err	(Optional) Other errors while deleting
arp_ofa_cp_null_mac_err_on_add	(Optional) CP adjacency NULL mac error while Adding
arp_ofa_cp_dp_mac_mismatch_err_on_add	(Optional) DP adjacency present with different mac
arp_ofa_cp_cp_mac_mismatch_err_on_add	(Optional) CP adjacency present with different mac
arp_ofa_cp_added_first_err	(Optional) CP adjacency added first
arp_ofa_dp_overwrite_cp_err	(Optional) Overwriting CP adjacency with DP
arp_ofa_dp_cp_nh_mismatch_err_on_add	(Optional) DP adjacency already present with different NH
arp_ofa_cp_cp_nh_mismatch_err_on_add	(Optional) CP adjacency already present with different NH

arp_ofa_cp_dp_nh_mismatch_err_on_add	(Optional) Overwriting CP adj with DP with different NH
arp_ofa_cp_adj_add_failure_err	(Optional) Other errors while adding
arp_ofa_barrier_response_err	(Optional) Barrier responses

Command Mode

- /exec

show ip arp statistics

show ip arp statistics [<interface>] [interface-all] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out1> [TABLE_stat <tx-total> <tx-req> <tx-reply> <tx-req-l2> <tx-reply-l2> <tx-grat> <tx-tunnel> <tx-drop> [<tx-srvrport>] [<tx-fbrcport>] [<tx-fixup-core>] [<tx-fixup-server>] [<tx-fixup-rarp>] [<tx-anycast-glean>] <tx-mbuf-fail> <tx-ctxt-not-crtd> <tx-bad-ctxt-id> <tx-invalid-ifindex> <tx-invalid-sip> <tx-invalid-dip> <tx-own-ip> <tx-unattached-ip> <tx-adj-create-fail> <tx-null-sip> <tx-null-smac> <tx-client-enq-fail> <tx-dest-unreachable-proxy-arp> <tx-dest-unreachable-enhanced-proxy> <tx-dest-l2port-track> <tx-invalid-local-proxy> <tx-invalid-proxy> <tx-vip-not-active> <rx-total> <rx-req> <rx-reply> <rx-req-l2> <rx-reply-l2> <rx-proxy> <rx-local-proxy> <rx-enhanced-proxy> <rx-enhanced-proxy-anycast> <rx-enhanced-proxy-l2port-track> <rx-tunnel> <rx-fastpath> <rx-snoop> <rx-drop> <rx-srvrport> <bad-if> <bad-len> <invalid-prot> <invalid-hrd-type> <invalid-ctxt> <ctxt-not-crtd> <invalid-l2> <invalid-l3> <invalid-sip> <our-sip> <arp-if-no-mem> <subnet-mismatch> <dir-bcast> <invalid-dip> <non-local-dst> <non-active-fhrp> <invalid-smac> <our-smac> <not-init> <l2-prxy-en> <l2-port-untrusted> <stdby-fhrp-vip> <grat-prxy-en> <arp-req-ignore> <l2-intf> <l2fm-query-fail> <tunnel_fail> [<hsrp-active-vmac>] [<rx-intf-down>] <recv-glean-count> <refresh-req-from-clients> <l2rib-signals> <adds> <dels> <timeouts>]]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
statistics	Display ARP statistics
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display ARP statistics for all vrfs
interface-all	(Optional) Display ARP statistics for all interface
interface	(Optional) ARP interface
__readonly__	(Optional)
TABLE_vrf	(Optional) Table Vrf
vrf-name-out1	(Optional) Show VRF name
TABLE_stat	(Optional) Show IP ARP statistics
tx-total	(Optional) Sent: total
tx-req	(Optional) Sent: request
tx-reply	(Optional) Sent: reply

tx-req-l2	(Optional) Sent: request on L2
tx-reply-l2	(Optional) Sent: replay on L2
tx-grat	(Optional) Sent: gratuitous
tx-tunnel	(Optional) Sent: tunnel packet
tx-drop	(Optional) Sent:Dropped packet
tx-srvrport	(Optional) Sent from Server Port
tx-fbrcport	(Optional) Sent from Fabric Port
tx-fixup-core	(Optional) Sent: fixup core
tx-fixup-server	(Optional) Sent: fixup server
tx-fixup-rarp	(Optional) Sent: fixup rarp
tx-anycast-glean	(Optional) Sent: modified anycast glean
tx-mbuf-fail	(Optional) Sent:MBUF operation failed
tx-ctxt-not-crtd	(Optional) Sent:Context not yet created
tx-bad-ctxt-id	(Optional) Sent:Invalid context
tx-invalid-ifindex	(Optional) Sent:Invalid ifindex
tx-invalid-sip	(Optional) Sent:Invalid SRC IP
tx-invalid-dip	(Optional) Sent:Invalid DEST IP
tx-own-ip	(Optional) Sent:Destination is our own IP
tx-unattached-ip	(Optional) Sent:Unattached IP
tx-adj-create-fail	(Optional) Sent:Adjacency Couldn't be added
tx-null-sip	(Optional) Sent:Null Source IP
tx-null-smac	(Optional) Sent: Null Source MAC
tx-client-enq-fail	(Optional) Sent: Client Enqueue Failed
tx-dest-unreachable-proxy-arp	(Optional) Sent: Dest. not reachable for proxy arp
tx-dest-unreachable-enhanced-proxy	(Optional) Sent:Dest. unreachable for enhanced proxy
tx-dest-l2port-track	(Optional) Sent:Dest. on L2 port being tracked
tx-invalid-local-proxy	(Optional) Sent:Invalid Local proxy arp
tx-invalid-proxy	(Optional) Sent:Invalid proxy arp
tx-vip-not-active	(Optional) Sent:VIP is not active

rx-total	(Optional) Received: total
rx-req	(Optional) Received: Requests
rx-reply	(Optional) Received: Replies
rx-req-l2	(Optional) Received: Requests on L2
rx-reply-l2	(Optional) Received: Replies on L2
rx-proxy	(Optional) Received: Proxy arp
rx-local-proxy	(Optional) Received: Local-Proxy arp
rx-enhanced-proxy	(Optional) Received: Enhanced Proxy arp
rx-enhanced-proxy-anycast	(Optional) Received: Anycast proxy Proxy arp
rx-enhanced-proxy-l2port-track	(Optional) Received: L2 Port-track Proxy arp
rx-tunnel	(Optional) Received: Tunneled
rx-fastpath	(Optional) Received: Fastpath
rx-snoop	(Optional) Received: Snooped
rx-drop	(Optional) Received: Dropped
rx-srvrport	(Optional) Received: on Server Port
bad-if	(Optional) Appeared on a wrong interface
bad-len	(Optional) Incorrect length
invalid-prot	(Optional) Invalid protocol packet
invalid-hrd-type	(Optional) Invalid Hardware type
invalid-ctxt	(Optional) Invalid context
ctxt-not-crtd	(Optional) Context not yet created
invalid-l2	(Optional) Invalid layer 2 address length
invalid-l3	(Optional) Invalid layer 3 address length
invalid-sip	(Optional) Invalid source IP address
our-sip	(Optional) Source IP address is our own
arp-if-no-mem	(Optional) No mem to create per intf structure
subnet-mismatch	(Optional) Source address mismatch with subnet
dir-bcast	(Optional) Directed broadcast source
invalid-dip	(Optional) Invalid destination IP address

non-local-dst	(Optional) Non-local destination IP address
non-active-fhrp	(Optional) Non-active FHRP dest IP address. Learn and drop
invalid-smac	(Optional) Invalid source MAC address
our-smac	(Optional) Source MAC address is our own
not-init	(Optional) Received before arp initialization
l2-prxy-en	(Optional) L2 packet on proxy-arp-enabled interface
l2-port-untrusted	(Optional) L2 packet on untrusted L2 port
stdby-fhrp-vip	(Optional) Packet with VIP on standby FHRP
grat-prxy-en	(Optional) Grat arp received on proxy-arp-enabled interface
arp-req-ignore	(Optional) Requests came for exising entries
l2-intf	(Optional) Requests came on a L2 interface
l2fm-query-fail	(Optional) L2FM query failed for a L2 Address
tunnel_fail	(Optional) Dropping due to tunneling failures
hsrp-active-vmac	(Optional) Dropping due to HSRP standby receiving HSRP active vmac
rx-intf-down	(Optional) Received Interface Down
recv-glean-count	(Optional) Glean requests recv count
refresh-req-from-clients	(Optional) Refresh requests received from clients
l2rib-signals	(Optional) Signals received from L2rib
adds	(Optional) Adds
dels	(Optional) Deletes
timeouts	(Optional) Timeouts

Command Mode

- /exec

show ip arp suppression-cache

show ip arp suppression-cache { detail [vlan <vlan_id>] | summary | statistics | vlan <vlan_id> | local [vlan <vlan_id>] | remote [vlan <vlan_id>] } [__readonly__ TABLE_arp-suppression [TABLE_entries <ip-addr> <age> <mac> <vlan> <physical-iod> <flag> [<remote-vtep-addr>]] [TABLE_summary <remote-count> <local-count> <total-count>] [TABLE_stats TABLE_suppressed <total> <requests> <requests-on-l2> <gratuitous> <gratuitous-on-l2> TABLE_forwarded <total-sent> <requests-sent> <replies-sent> <requests-on-core-sent> <replies-on-core-sent> <dropped-sent> <requests-on-l2-sent> <replies-on-l2-sent> <requests-on-core-l2-sent> <replies-on-core-l2-sent> <dropped-l2-sent> TABLE_received <total-recv> <requests-recv> <replies-recv> <local-requests-recv> <local-replies-recv> <gratuitous-recv> <dropped-recv> <requests-on-l2-recv> <replies-on-l2-recv> <gratuitous-l2-recv> <dropped-l2-recv> TABLE_entrystats <adds> <dels>]]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
suppression-cache	arp-suppression-cache
detail	show details
summary	show summary
statistics	show statistics
local	show local entries
remote	show remote entries
vlan	(Optional) L2vlan
vlan_id	(Optional) Vlan
__readonly__	(Optional)
TABLE_arp-suppression	(Optional) IP ARP suppression-cache
TABLE_entries	(Optional) IP ARP suppression entries
ip-addr	(Optional) IP address
age	(Optional) Age
mac	(Optional) MAC address
vlan	(Optional) vlan id
physical-iod	(Optional) Physical iod
flag	(Optional) Flags

remote-vtep-addr	(Optional) Remote Vtep Address
TABLE_summary	(Optional) IP ARP suppression-cache Summary
remote-count	(Optional) Remote count
local-count	(Optional) Local count
total-count	(Optional) Total count
TABLE_stats	(Optional) Show IP ARP suppression statistics
TABLE_suppressed	(Optional) Suppressed table
total	(Optional) total
requests	(Optional) request
requests-on-l2	(Optional) requests-on-l2
gratuitous	(Optional) gratuitous
gratuitous-on-l2	(Optional) gratuitous-on-l2
TABLE_forwarded	(Optional) Forwarded table
total-sent	(Optional) total
requests-sent	(Optional) Requests sent on L3
replies-sent	(Optional) Replies sent on L3
requests-on-core-sent	(Optional) Request on core port
replies-on-core-sent	(Optional) Reply on core port
dropped-sent	(Optional) Dropped
requests-on-l2-sent	(Optional) Requests on L2
replies-on-l2-sent	(Optional) Replies on L2
requests-on-core-l2-sent	(Optional) Request on core port L2
replies-on-core-l2-sent	(Optional) Reply on core port L2
dropped-l2-sent	(Optional) Dropped on L2
TABLE_received	(Optional) Received
total-recv	(Optional) Total
requests-recv	(Optional) Requests on L3 mode
replies-recv	(Optional) Replies on L3 mode
local-requests-recv	(Optional) Local Request

local-replies-recv	(Optional) Local Responses
gratuitous-recv	(Optional) Gratuitous on L3 mode
dropped-recv	(Optional) Dropped on L3 mode
requests-on-l2-recv	(Optional) Requests on L2 mode
replies-on-l2-recv	(Optional) Replies on L2 mode
gratuitous-l2-recv	(Optional) Gratuitous on L2 mode
dropped-l2-recv	(Optional) Dropped on L2 mode
TABLE_entrystats	(Optional) ARP suppression-cache Local entry statistics
adds	(Optional) Adds
dels	(Optional) Deletes

Command Mode

- /exec

show ip arp suppression topo-info

show ip arp suppression topo-info [<topo-id>] [__readonly__ { TABLE_ip_arp_suppression_topo_info [<ip_arp_suppression_topo_id>] [<ip_arp_suppression_mode>] [<ip_arp_suppression_hmm_mode>] }]

Syntax Description

show	Show running system information
ip	Configure IP features
arp	Configure ARP parameters
suppression	ARP-suppression based event
topo-info	E-VPN identifier
topo-id	(Optional) E-VPN identifier (VLAN-ID or BD-ID)
__readonly__	(Optional)
TABLE_ip_arp_suppression_topo_info	(Optional) Show suppression topo-info
ip_arp_suppression_topo_id	(Optional) Show ARP suppression topo_id
ip_arp_suppression_mode	(Optional) Show ARP suppression mode
ip_arp_suppression_hmm_mode	(Optional) Show ARP suppression hmm mode

Command Mode

- /exec

show ip arp tunnel-statistics

show ip arp tunnel-statistics [__readonly__ { TABLE_ip_arp_tunnel_stat [<arp-tun-pkt-rcv-cnt>] [<arp-tun-pkt-rcv-ing-vpc>] [<arp-tun-pkt-rcv-ing-gpc>] [<arp-tun-pkt-rcv-ing-orp-vpc>] [<arp-tun-pkt-rcv-ing-orp-vpc-pl>] [<arp-tun-pkt-snd-cnt>] [<arp-tun-pkt-snd-snoop-cnt>] [<arp-tun-pkt-snd-non-local-vip-cnt>] [<arp-tun-pkt-snd-peer-gate-cnt>] [<arp-tun-pkt-snd-ing-vpc>] [<arp-tun-pkt-snd-ing-gpc>] [<arp-tun-pkt-snd-ing-orp-vpc>] [<arp-tun-pkt-snd-ing-orp-vpc-pl>] [<arp-tun-pkt-rcv-drp-cnt>] [<arp-tun-pkt-snd-drp-cnt>] [<arp-tun-pkt-snd-drp-snd-fail-cnt>] [<arp-tun-pkt-rcv-drp-ver-cnt>] [<arp-tun-pkt-rcv-drp-pl-cnt>] [<arp-tun-pkt-rcv-drp-ing-non-mct>] [<arp-tun-pkt-rcv-drp-inv-ing-intf>] [<arp-tun-pkt-snd-drp-inv-ing-intf>] [<arp-tun-pkt-rcvdrp-inv-gpc-core-sw>] [<arp-tun-pkt-rcvdrp-inv-gpc-peer-sw>] [<arp-tun-pkt-drp-inv-mcec>] [<arp-tun-pkt-im-api-fail>] [<arp-tun-pkt-drp-ctxt-inv>] [<arp-tun-pkt-drp-mct-dwn>] [<arp-tun-pkt-rcv-drp-mbuf-op-fail>] [<arp-tun-pkt-snd-drp-mbuf-op-fail>] [<arp-tun-pkt-snd-drp-tunnel>] [<arp-tun-pkt-snd-drp-ce>] [<arp-tun-pkt-snd-drp-inv-gpc>] [<arp-tun-pkt-rcv-drp-inv-gpc>] [<arp-tun-pkt-sys-mcecm-key-not-found>] }]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
tunnel-statistics	Display ARP statistics for tunneled packets
__readonly__	(Optional)
TABLE_ip_arp_tunnel_stat	(Optional) ARP Tunnel statistics
arp-tun-pkt-rcv-cnt	(Optional) Total tunneled packets received
arp-tun-pkt-rcv-ing-vpc	(Optional) Tunneled packets rx for ingress vPC
arp-tun-pkt-rcv-ing-gpc	(Optional) Tunneled packets rx for ingress GPC
arp-tun-pkt-rcv-ing-orp-vpc	(Optional) Tunneled Packets rx for ingress orphan vPC
arp-tun-pkt-rcv-ing-orp-vpc-pl	(Optional) Tunneled Packets rx for ingress orphan vPC+
arp-tun-pkt-snd-cnt	(Optional) Total tunneled packets sent
arp-tun-pkt-snd-snoop-cnt	(Optional) Tunneled packets Sent for ARP Snoop
arp-tun-pkt-snd-non-local-vip-cnt	(Optional) Tunneled packets sent for Non-Local VIP
arp-tun-pkt-snd-peer-gate-cnt	(Optional) Tunneled Packets sent for Peer Gateway
arp-tun-pkt-snd-ing-vpc	(Optional) Tunneled packets tx for ingress vPC
arp-tun-pkt-snd-ing-gpc	(Optional) Tunneled packets tx for ingress GPC
arp-tun-pkt-snd-ing-orp-vpc	(Optional) Tunneled Packets tx for ingress orphan vPC

arp-tun-pkt-snd-ing-orp-vpc-pl	(Optional) Tunneled Packets tx for ingress orphan vPC+
arp-tun-pkt-rcv-drp-cnt	(Optional) Total tunnel packets recv dropped
arp-tun-pkt-snd-drp-cnt	(Optional) Total tunnel packets send dropped
arp-tun-pkt-snd-drp-snd-fail-cnt	(Optional) Drops due to send failed
arp-tun-pkt-rcv-drp-ver-cnt	(Optional) Received packet with invalid version
arp-tun-pkt-rcv-drp-pl-cnt	(Optional) Received packet with invalid payload type
arp-tun-pkt-rcv-drp-ing-non-mct	(Optional) Received packet on non mct interface
arp-tun-pkt-rcv-drp-inv-ing-intf	(Optional) Received packet with invalid ingress port
arp-tun-pkt-snd-drp-inv-ing-intf	(Optional) Drop send packets for invalid ingress port
arp-tun-pkt-rcvdrp-inv-gpc-core-sw	(Optional) Drop recv pkt, invalid GPC of core switch
arp-tun-pkt-rcvdrp-inv-gpc-peer-sw	(Optional) Drop recv pkt, invalid GPC of peer switch
arp-tun-pkt-drp-inv-mcec	(Optional) Failed to retrieve vPC ID while processing
arp-tun-pkt-im-api-fail	(Optional) IM api failed while processing
arp-tun-pkt-drp-ctxt-inv	(Optional) Drop tunnel packet as context is invalid
arp-tun-pkt-drp-mct-dwn	(Optional) Drop tunnel packet as mct is down
arp-tun-pkt-rcv-drp-mbuf-op-fail	(Optional) Drop recv packets as mbuf operation failed
arp-tun-pkt-snd-drp-mbuf-op-fail	(Optional) Drop send packets as mbuf operation failed
arp-tun-pkt-snd-drp-tunnel	(Optional) Cannot tunnel a incoming tunneled packet
arp-tun-pkt-snd-drp-ce	(Optional) Cannot tunnel in a CE network
arp-tun-pkt-snd-drp-inv-gpc	(Optional) Drop send pkt, failed in retrieving the GPC
arp-tun-pkt-rcv-drp-inv-gpc	(Optional) Drop recv pkt, failed in retrieving the GPC
arp-tun-pkt-sys-mcecm-key-not-found	(Optional) MCEC_ID to PHY_IF_INDEX not found in DB

Command Mode

- /exec

show ip arp vpc-statistics

show ip arp vpc-statistics [__readonly__ { TABLE_arp_vpc_stats [<arp-pro-drp-pull-disable>] [<arp-pro-drp-push-msg-disable>] [<arp-pro-ign-snd-pull-disabe>] [<arp-ign-snd-push-disable>] [<arp-drp-im-fail>] [<arp-drp-mcecm-fail>] [<arp-drp-invalid-pc-iod>] [<arp-drp-pt-lookup-fail>] [<arp-drp-resp-fail-no-mct>] [<arp-drp-resp-fail>] [<arp-mcecm-ifidx-vpc-fail>] [<arp-mcecm-vpc-ifidx-fail>] [<arp-periodic-mcecm-ifidx-vpc-fail>] [<arp-resp-sent>] [<arp-resp-recvd>] [<arp-resp-recv-err>] [<arp-rcvd-msg>] [<arp-send-fail>] [<arp-cfs-rel-dlvry-fail>] [<arp-cfs-rel-dnvry-suc>] [<arp-drp-pt-add-fail>] [<arp-drp-no-mem>] [<arp-drp-tmr-cre-fail>] [<arp-drp-add-adj-fail>] [<arp-off-drp-pt-lookup-fail>] [<arp-dont-drp-vlan-mismat>] [<arp-drp-svi-invalid>] [<arp-dont-drop-sv-down>] [<arp-drp-mct-down>] [<arp-drp-ctxt-invalid>] [<arp-drp-vrf-invalid>] [<arp-drp-l3addr-invalid>] [<arp-drp-l3addr-sanity-fail>] [<arp-drp-mac-sanity-fail>] [<arp-own-rtr-mac>] [<arp-drp-own-ipaddr>] [<arp-drp-own-vipadd>] [<arp-drp-adj-fail>] [<arp-drp-subnet-mismatch>] [<arp-drp-adj-exist>] [<arp-dont-drp-ip-not-enable>] [<arp-drp-total-cnt>] [<arp-dont-drop-total-cnt>] [<arp-drp-inval-phy-iod>] [<arp-add-adj>] [<arp-del-adj>] [<arp-adj-already-exist>] [<arp-sync-recv-op-add-adj>] [<arp-sync-recv-op-del-adj>] [<arp-sync-push-msg-adj-cnt>] [<arp-sync-send-op-add-adj>] [<arp-sync-send-op-del-adj>] [<arp-sync-adj-cnt>] [<arp-sync-addadj-fail>] [<arp-sync-drp-svi-inv>] [<arp-sync-drp-svi-dwn>] [<arp-sync-drp-ctxt-inv>] [<arp-sync-null-adj>] [<arp-sync-invalid-ip>] [<arp-periodic-sync-adj-l2-supp-cnt>] [<arp-periodic-sync-stop-bcast-pkt-sync-count>] }]

Syntax Description

show	Show running system information
ip	Display IP information
arp	Display ARP table and statistics
vpc-statistics	Show vPC global statistics
__readonly__	(Optional)
TABLE_arp_vpc_stats	(Optional) Arp Vpc statistics
arp-mcecm-ifidx-vpc-fail	(Optional) Unable to retrieve VPC id from ifidx
arp-mcecm-vpc-ifidx-fail	(Optional) Unable to retrieve ifidx from VPC id
arp-periodic-mcecm-ifidx-vpc-fail	(Optional) Unable to retrieve ifidx from VPC id during periodic sync
arp-sync-recv-op-add-adj	(Optional) Total adjacencies recieved from peer to add
arp-sync-recv-op-del-adj	(Optional) Total adjacencies received from peer to delete
arp-sync-push-msg-adj-cnt	(Optional) Total gross adjacencies sent periodically
arp-sync-send-op-add-adj	(Optional) Total adjacencies sent to peer to add
arp-sync-send-op-del-adj	(Optional) Total adjacencies sent to peer to delete
arp-sync-adj-cnt	(Optional) Total periodic sync adjacencies

arp-sync-addadj-fail	(Optional) Failure in adding adjacencies while periodic sync send
arp-sync-drp-svi-inv	(Optional) Total drops during periodic sync because of invalid svi
arp-sync-drp-svi-dwn	(Optional) Total drops during periodic sync because of svi down
arp-sync-drp-ctxt-inv	(Optional) Total drops during periodic sync because of invalid context
arp-sync-null-adj	(Optional) Total drops while processsing syne of NULL Adjacencies
arp-sync-invalid-ip	(Optional) Total drops while processing sync because of NULL IP
arp-periodic-sync-adj-l2-supp-cnt	(Optional) Total periodic sync adjacenciesadded for L2 suppression case
arp-periodic-sync-stop-bcast-pkt-sync-count	(Optional) Total Bcast packets that was stopped sync to peer
arp-pro-drp-pull-disable	(Optional) Drop the received CFS pull request
arp-pro-drp-push-msg-disable	(Optional) Drop the received CFS push message
arp-pro-ign-snd-pull-disabe	(Optional) Ignore to send pull request using CFSoE
arp-ign-snd-push-disable	(Optional) Ignore to send push message using CFSoE
arp-drp-im-fail	(Optional) IM api failed while processing CFS payload
arp-drp-mcecm-fail	(Optional) MCECM api failed while processing CFS payload
arp-drp-invalid-pc-iod	(Optional) Invalid MCT port-channel iod
arp-drp-pt-lookup-fail	(Optional) PT lookup failed while processing CFS payload
arp-drp-resp-fail-no-mct	(Optional) Sending CFS response failed due to invalid MCT iod
arp-drp-resp-fail	(Optional) Sending CFS response failed
arp-resp-sent	(Optional) Response sent via CFSoE
arp-resp-recvd	(Optional) Response received via CFSoE
arp-resp-recv-err	(Optional) Response received via CFSoE with errors
arp-rcvd-msg	(Optional) Received message via CFSoE
arp-send-fail	(Optional) Send message failed via CFSoE
arp-cfs-rel-dlvry-fail	(Optional) MCECM send api failed via CFSoE
arp-cfs-rel-dnvry-suc	(Optional) Send message succeeded via CFSoE
arp-drp-pt-add-fail	(Optional) PT add failed while processing offlist
arp-drp-no-mem	(Optional) Memory alloc failed while processing offlist databse
arp-drp-tmr-cre-fail	(Optional) Timer create failed while processing offlist database

arp-drp-add-adj-fail	(Optional) Adjacency addition failed while processing offlist database
arp-off-drp-pt-lookup-fail	(Optional) PT lookup failed while processing offlist database
arp-dont-drp-vlan-mismat	(Optional) VLAN mismatch while processing offlist database
arp-drp-svi-invalid	(Optional) SVI is invalid while processing offlist database
arp-dont-drop-sv-down	(Optional) SVI is down while processing offlist database
arp-drp-mct-down	(Optional) MCT is down while processing offlist database
arp-drp-ctxt-invalid	(Optional) Ctxt_type is invalid while processing offlist database
arp-drp-vrf-invalid	(Optional) VRF is invalid while processing offlist database
arp-drp-l3addr-invalid	(Optional) VRF is invalid while processing offlist database
arp-drp-l3addr-sanity-fail	(Optional) IP address sanity failed
arp-drp-mac-sanity-fail	(Optional) MAC address sanity failed
arp-own-rtr-mac	(Optional) Our own router mac
arp-drp-own-ipaddr	(Optional) Our own ip address
arp-drp-own-vipadd	(Optional) Our own virtual ip address
arp-drp-adj-fail	(Optional) Create adjacency failed
arp-drp-subnet-mismatch	(Optional) Subnet mismatch
arp-drp-adj-exist	(Optional) Entry exists
arp-dont-drp-ip-not-enable	(Optional) IP not enabled on interface
arp-drp-inval-phy-iod	(Optional) Physical interface invalid
arp-drp-total-cnt	(Optional) Total drop count
arp-dont-drop-total-cnt	(Optional) Total don't drop count
arp-add-adj	(Optional) Total adjacency additions
arp-del-adj	(Optional) Total adjacency deletions
arp-adj-already-exist	(Optional) Total adjacencies ignored as already exist

Command Mode

- /exec

show ip as-path-access-list

show ip as-path-access-list [<aspl-name> | <aspl-cfg-name>] [__readonly__ TABLE_aspl <name> <action> <rule>]

Syntax Description

show	Show running system information
ip	Display IP information
as-path-access-list	List AS path access lists
aspl-name	(Optional) AS path access list name
aspl-cfg-name	(Optional) Known as-path access-list name
__readonly__	(Optional)
TABLE_aspl	(Optional)
name	(Optional)
action	(Optional)
rule	(Optional)

Command Mode

- /exec

show ip cache

show ip cache { { brief | detail } | { interface [<intf>] } } [operational]

Syntax Description

show	Show running system information
ip	Display IP information
cache	Display ip cache
brief	Display summary of ip interface status and configuration
detail	Display detailed information of ip interface status and configuration
operational	(Optional) Display only interfaces that are administratively enabled
interface	Display ip related interface information
intf	(Optional) Interface name to display

Command Mode

- /exec

show ip client

show ip client [<client-name>] [__readonly__ [TABLE_ip_clnt [TABLE_clnt { <clnt-name> <clnt-uuid> <clnt-pid> <clnt-ext-pid> [<clnt-proto>] <clnt-ind> <clnt-cntxt-id> <clnt-mts-sap> <clnt-flg> <clnt-msg-succ-cnt> <clnt-msg-fail-cnt> [<clnt-recv-fn-name> <clnt-recv-fn>] }]]]

Syntax Description

show	Show running system information
ip	Display IP information
client	Display clients registered with the IP process
client-name	(Optional) Display information for a single IP client
__readonly__	(Optional)
TABLE_ip_clnt	(Optional)
TABLE_clnt	(Optional)
clnt-name	(Optional)
clnt-uuid	(Optional)
clnt-pid	(Optional)
clnt-ext-pid	(Optional)
clnt-proto	(Optional)
clnt-ind	(Optional)
clnt-cntxt-id	(Optional)
clnt-mts-sap	(Optional)
clnt-flg	(Optional)
clnt-msg-succ-cnt	(Optional)
clnt-msg-fail-cnt	(Optional)
clnt-recv-fn-name	(Optional)
clnt-recv-fn	(Optional)

Command Mode

- /exec

show ip community-list

show ip community-list [<cl_name>] [__readonly__ TABLE_cl <name> <action> <rule>]

Syntax Description

show	Show running system information
ip	Display IP information
community-list	List community-list
cl_name	(Optional) Standard or expanded community-list name
__readonly__	(Optional)
TABLE_cl	(Optional)
name	(Optional)
action	(Optional)
rule	(Optional)

Command Mode

- /exec

show ip debug

show ip debug

Syntax Description

show	Show running system information
ip	Display IP information
debug	Display IP debug-filter configuration

Command Mode

- /exec

show ip dhcp global statistics

show ip dhcp global statistics [__readonly__ <pkts_processed> <pkts_recvd_through_cfsoe> <pkts_fwded> <pkts_cfsoe_fwded> <pkts_dropped> <pkts_dropped_from_untrusted_ports> <pkts_dropped_src_mac_chk_fail> <pkts_dropped_opt82_ins_fail> <pkts_dropped_unknown_op_intf> <pkts_dropped_unknown_pkt> <pkts_dropped_no_trust_inf> <pkts_dropped_unknown_pkt> <pkts_dropped_relay_disable> <pkts_dropped_no_binding_entry> <pkts_dropped_interface_error> <pkts_dropped_max_hops_exceeded> <pkts_dropped_queue_full>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
global	DHCP global stats
statistics	Statistics related to DHCP
__readonly__	(Optional) Read only
pkts_processed	(Optional) Packets processed
pkts_recvd_through_cfsoe	(Optional) Packets received through cfsoe
pkts_fwded	(Optional) Packets forwarded
pkts_cfsoe_fwded	(Optional) Packets forwarded on cfsoe
pkts_dropped	(Optional) Total packets dropped
pkts_dropped_from_untrusted_ports	(Optional) Packets dropped from untrusted ports
pkts_dropped_src_mac_chk_fail	(Optional) Packets dropped due to MAC address check failure
pkts_dropped_opt82_ins_fail	(Optional) Packets dropped due to Option 82 insertion failure
pkts_dropped_unknown_op_intf	(Optional) Packets dropped due to o/p intf unknown
pkts_dropped_unknown_pkt	(Optional) Packets dropped which were unknown
pkts_dropped_no_trust_inf	(Optional) Packets dropped due to no trusted ports
pkts_dropped_relay_disable	(Optional) Packets dropped due to dhcp relay not enabled
pkts_dropped_no_binding_entry	(Optional) Packets dropped due to no binding entry
pkts_dropped_interface_error	(Optional) Packets dropped due to interface error/no interface
pkts_dropped_max_hops_exceeded	(Optional) Packets dropped due to max hops exceeded
pkts_dropped_queue_full	(Optional) Packets dropped due to queue full

Command Mode

- /exec

show ip dhcp option82 suboption info interface

show ip dhcp option82 suboption info interface [<intf>] [__readonly__ <intf_header> { TABLE_intf_option82 <intf_name> <option82_status> <suboption_string> <tx_count> }]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
option82	DHCP option82
suboption	DHCP option82 suboption
info	DHCP option82 suboption information
interface	DHCP option82 suboption information of all interfaces
intf	(Optional) interface
__readonly__	(Optional) Read only
intf_header	(Optional)
TABLE_intf_option82	(Optional)
intf_name	(Optional)
option82_status	(Optional)
suboption_string	(Optional)
tx_count	(Optional)

Command Mode

- /exec

show ip dhcp relay

show ip dhcp relay [__readonly__ <relay_service_enable> <relay_opt82_enable> <relay_opt82_customize> <relay_subopt_VPN_enable> <relay_subopt_type_cisco_enable> <global_smart-relay_enable> <global_relay_trusted_enable> <relay_trusted_port_enable> <global_src_addr_hsrp_enable> <smart_relay_intfs_hdr> [TABLE_intf <smart_relay_enabled_intfs>] <subnet_bcast_intfs_hdr> [TABLE_intf <subnet_bcast_enabled_intfs>] <trusted_port_intfs_hdr> [TABLE_intf <trusted_port_enabled_intfs>] <relay_src_addr_hsrp_hdr> [TABLE_intf <src_addr_hsrp_enabled_intfs>] <relay_address_hdr> [TABLE_intf <intf> <relay_address> <vrf_name>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
relay	DHCP relay
__readonly__	(Optional) Read only
relay_service_enable	(Optional)
relay_opt82_enable	(Optional)
relay_opt82_customize	(Optional)
relay_subopt_VPN_enable	(Optional)
relay_subopt_type_cisco_enable	(Optional)
global_smart-relay_enable	(Optional)
global_relay_trusted_enable	(Optional)
relay_trusted_port_enable	(Optional)
global_src_addr_hsrp_enable	(Optional) V4 Relay src-addr hsrp is globally enabled or not
smart_relay_intfs_hdr	(Optional) Smart relay interfaces header
TABLE_intf	(Optional)
smart_relay_enabled_intfs	(Optional) smart-relay enabled interfaces
subnet_bcast_intfs_hdr	(Optional) Subnet broadcast interfaces header
TABLE_intf	(Optional)
subnet_bcast_enabled_intfs	(Optional) subnet_bcast enabled interfaces
trusted_port_intfs_hdr	(Optional) Trusted port interfaces header
TABLE_intf	(Optional)

trusted_port_enabled_intfs	(Optional) trusted_port enabled interfaces
relay_src_addr_hsrp_hdr	(Optional) Header for V4 Relay src-addr enabled interfaces
TABLE_intf	(Optional)
src_addr_hsrp_enabled_intfs	(Optional) source-address hsrp enabled interfaces
relay_address_hdr	(Optional) relay address header
TABLE_intf	(Optional) Table for list of interfaces
intf	(Optional) interface name
relay_address	(Optional) helper address
vrf_name	(Optional) vrf name

Command Mode

- /exec

show ip dhcp relay address

show ip dhcp relay address [interface <intf-range>] [__readonly__ <intf_header> [TABLE_intf <intf2> <relay_address> <vrf_name>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	relay address of the interface
address	DHCP relay address
interface	(Optional) DHCP relay address of the interface
intf-range	(Optional) interface
__readonly__	(Optional) Read only
intf_header	(Optional) interface header
TABLE_intf	(Optional)
intf2	(Optional) interface name
relay_address	(Optional) helper address
vrf_name	(Optional) VRF name

Command Mode

- /exec

show ip dhcp relay information trusted-sources

show ip dhcp relay information trusted-sources [__readonly__ <header> [TABLE_intf <intf>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show DHCP
relay	DHCP Relay
information	Relay information
trusted-sources	Relay Trusted Sources
__readonly__	(Optional) Read only
TABLE_intf	(Optional) trusted interface table
header	(Optional) interface header
intf	(Optional) interface name

Command Mode

- /exec

show ip dhcp relay statistics

show ip dhcp relay statistics [interface <intf> | { interface <intf> serverip <ip-addr-val> [use-vrf <vrf-name>] }] [__readonly__ [<msg_stats_hdr> <msg_type_str> <tx_pkts> <rx_pkts> <drops> <msg_type_str_offer> <offer_rx_pkts> <offer_tx_pkts> <offer_drops> <msg_type_str_request> <request_rx_pkts> <request_tx_pkts> <request_drops> <msg_type_str_ack> <ack_rx_pkts> <ack_tx_pkts> <ack_drops> <msg_type_str_release> <release_rx_pkts> <release_tx_pkts> <release_drops> <msg_type_str_decline> <decline_rx_pkts> <decline_tx_pkts> <decline_drops> <msg_type_str_inform> <inform_rx_pkts> <inform_tx_pkts> <inform_drops> <msg_type_str_nack> <nack_rx_pkts> <nack_tx_pkts> <nack_drops> <line> <msg_type_str_total> <total_rx_pkts> <total_tx_pkts> <total_drops> <line_x>] [<server_consolidated_hdr> [TABLE_server_info <server_helper_addr> <server_vrf> <server_total_request> <server_total_response>] <line_y>] [<l3_fwd_hdr> <l3_fwd_rx_pkts> <l3_fwd_tx_pkts> <l3_fwd_drops> <non_dhcp_hdr> <non_dhcp_rx_pkts> <non_dhcp_tx_pkts> <non_dhcp_drops> <drop_hdr> <drop_validation_fail> <drop_relay_disable> <drop_invalid_msg_type> <drop_intf_err> <drop_tx_sock_err> <drop_tx_fail_client_intf> <drop_unknown_op_intf> <drop_l3_unknown_op_intf> <drop_max_hops> <drop_opt82_insert_fail> <drop_malformed> <drop_mct_drop> <drop_untrusted_relay_intf>] [<server_discover> <server_request> <server_decline> <server_release> <server_inform> <server_ack> <server_nack> <server_offer> <server_resp_hdr> <drop_unknown> <server_req_hdr>] <footer>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
relay	DHCP Relay
statistics	Statistics related to DHCP
interface	(Optional) input interface
intf	(Optional) interface
serverip	(Optional) Helper address
ip-addr-val	(Optional) IP address
use-vrf	(Optional) helper address VRF membership
vrf-name	(Optional) VRF name
__readonly__	(Optional) Read only
msg_stats_hdr	(Optional) dhcp message statistics header
msg_type_str	(Optional) dhcp message type
rx_pkts	(Optional) received dhcp packets
tx_pkts	(Optional) forwarded dhcp packets
drops	(Optional) dhcp packet drops

msg_type_str_offer	(Optional) dhcp message type
offer_rx_pkts	(Optional) received dhcp packets
offer_tx_pkts	(Optional) forwarded dhcp packets
offer_drops	(Optional) dhcp packet drops
msg_type_str_request	(Optional) dhcp message type
request_rx_pkts	(Optional) received dhcp packets
request_tx_pkts	(Optional) forwarded dhcp packets
request_drops	(Optional) dhcp packet drops
msg_type_str_ack	(Optional) dhcp message type
ack_rx_pkts	(Optional) received dhcp packets
ack_tx_pkts	(Optional) forwarded dhcp packets
ack_drops	(Optional) dhcp packet drops
msg_type_str_release	(Optional) dhcp message type
release_rx_pkts	(Optional) received dhcp packets
release_tx_pkts	(Optional) forwarded dhcp packets
release_drops	(Optional) dhcp packet drops
msg_type_str_decline	(Optional) dhcp message type
decline_rx_pkts	(Optional) received dhcp packets
decline_tx_pkts	(Optional) forwarded dhcp packets
decline_drops	(Optional) dhcp packet drops
msg_type_str_inform	(Optional) dhcp message type
inform_rx_pkts	(Optional) received dhcp packets
inform_tx_pkts	(Optional) forwarded dhcp packets
inform_drops	(Optional) dhcp packet drops
msg_type_str_nack	(Optional) dhcp message type
nack_rx_pkts	(Optional) received dhcp packets
nack_tx_pkts	(Optional) forwarded dhcp packets
nack_drops	(Optional) dhcp packet drops
line	(Optional)

msg_type_str_total	(Optional) total dhcp packets of all message types
total_rx_pkts	(Optional) total forwarded dhcp packets
total_tx_pkts	(Optional) total forwarded dhcp packets
total_drops	(Optional) total dhcp drops
line_x	(Optional)
server_consolidated_hdr	(Optional) DHCP server stats
TABLE_server_info	(Optional)
server_helper_addr	(Optional) dhcp server address
server_vrf	(Optional) dhcp server vrf
server_total_request	(Optional) total dhcp requests to server
server_total_response	(Optional) total dhcp responses from server
line_y	(Optional)
l3_fwd_hdr	(Optional) DHCP l3 forward header
l3_fwd_rx_pkts	(Optional) DHCP l3 received packets
l3_fwd_tx_pkts	(Optional) DHCP l3 forwarded packets
l3_fwd_drops	(Optional) DHCP l3 forward drops
non_dhcp_hdr	(Optional) non dhcp packets header
non_dhcp_rx_pkts	(Optional) total non dhcp packets received
non_dhcp_tx_pkts	(Optional) total non dhcp packets forwarded
non_dhcp_drops	(Optional) total non dhcp drops
drop_hdr	(Optional) total dhcp drops in various scenarios
drop_validation_fail	(Optional) drops due to option 82 validation failed
drop_relay_disable	(Optional) drops due to dhcp relay not enabled
drop_invalid_msg_type	(Optional) drops due to invalid message type
drop_intf_err	(Optional) drops due to interface error
drop_tx_sock_err	(Optional) tx failure towards server
drop_tx_fail_client_intf	(Optional) drops due to Tx failure towards client
drop_unknown_op_intf	(Optional) Unknown output interface
drop_l3_unknown_op_intf	(Optional) unknown vrf interface for server

drop_max_hops	(Optional) drops due to max hop exceeded
drop_opt82_insert_fail	(Optional) Insertion of option 82 failed
drop_malformed	(Optional) drops due to packet malformed
drop_mct_drop	(Optional) drops through mct
drop_untrusted_relay_intf	(Optional) drops due to untrusted relay interface
server_discover	(Optional) DHCP discover messages relayed to server
server_request	(Optional) DHCP request messages relayed to server
server_decline	(Optional) DHCP decline messages relayed to server
server_release	(Optional) DHCP release messages relayed to server
server_inform	(Optional) DHCP inform messages relayed to server
server_ack	(Optional) DHCP ack messages relayed from server
server_nack	(Optional) DHCP nack messages relayed from server
server_offer	(Optional) DHCP offer messages relayed from server
server_resp_hdr	(Optional) DHCP server response header
drop_unknown	(Optional) drops due to Unknown Failure
server_req_hdr	(Optional) DHCP server request header
footer	(Optional) footer line

Command Mode

- /exec

show ip dhcp snooping

show ip dhcp snooping [__readonly__ <snoop_service_enable> <snoop_gbl_enable> <snoop_vlan_enable> <snoop_oper_vlan_enable> <snoop_opt82_enable> <snoop_hwaddr_verify_enable> <snoop_hdr> [{ TABLE_intf_entry <intf_entry_if_index> <intf_entry_trust_dhcp> <intf_entry_pkt_limit> }]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping
__readonly__	(Optional) Read only
snoop_service_enable	(Optional)
snoop_gbl_enable	(Optional)
snoop_vlan_enable	(Optional)
snoop_oper_vlan_enable	(Optional)
snoop_opt82_enable	(Optional)
snoop_hwaddr_verify_enable	(Optional)
snoop_hdr	(Optional)
TABLE_intf_entry	(Optional)
intf_entry_if_index	(Optional)
intf_entry_trust_dhcp	(Optional) is DHCP snooping trusted on the interface
intf_entry_pkt_limit	(Optional) limit for DHCP packets per second on the interface

Command Mode

- /exec

show ip dhcp snooping binding

show ip dhcp snooping binding [<ip> | <mac> | vlan <vlan-range> |

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show items in DHCP
snooping	DHCP snooping
binding	DHCP snooping bindings
ip	(Optional) Binding entry IP address
mac	(Optional) Binding entry MAC address
vlan	(Optional) Binding entry VLAN
vlan-range	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show ip dhcp snooping statistics

show ip dhcp snooping statistics [{ vlan <vlan-id> interface <intf> } |

Syntax Description

vlan-id	(Optional)]
show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
snooping	DHCP snooping
statistics	Statistics related to DHCP
vlan	(Optional) VLAN
interface	(Optional) input interface
intf	(Optional) interface

Command Mode

- /exec

show ip dhcp status

show ip dhcp status [__readonly__ [<current_cli_op>] [<last_cli_op> <last_cli_stat>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
dhcp	Show information about DHCP
status	Current CLI command and execution status of the last command
__readonly__	(Optional) Read only
current_cli_op	(Optional) current cli operation
last_cli_op	(Optional) last cli operation
last_cli_stat	(Optional) last cli status

Command Mode

- /exec

show ip dns source-interface

show ip dns source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_ipdnsvrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_ipdnsvrf	(Optional) source interface of dns given vrf
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip dns source-interface vrf all

show ip dns source-interface vrf all [__readonly__ [{ TABLE_ipdns <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
dns	Display domain-lookup information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipdns	(Optional) source interface of dns
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip eigrp

show { ip | ipv6 } eigrp [<eigrp-ptag>] [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> <router_id> TABLE_vrf <vrf> <state> <authen_md5> <authen_keychain> <metric_weight_k1> <metric_weight_k2> <metric_weight_k3> <metric_weight_k4> <metric_weight_k5> [<metric_weight_k6> <metric_ribscale>] <metric_version> <eigrp_proto> { <multicast_group> | <multicast_groupv6> } <int_distance> <ext_distance> <max_paths> <num_interfaces> <num_lo_interfaces> <num_pass_interfaces> <num_peers> [{ TABLE_redist <redist_srcproto> <redist_routemap> }] <graceful_restart> <stub_configured> [<stub_option_connected> <stub_option_summary> <stub_option_redist> <stub_option_leak_map> <stub_option_receive_only>]]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
detail	(Optional) Show detailed EIGRP process stats
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
__readonly__	(Optional)
TABLE_asn	(Optional) AS Number table
asn	(Optional) AS number
router_id	(Optional) Router-ID
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
state	(Optional) EIGRP Process Status
authen_md5	(Optional) Authentication Mode
authen_keychain	(Optional) Authentication Key-Chain
metric_weight_k1	(Optional) DUAL metric k1
metric_weight_k2	(Optional) DUAL metric k2

metric_weight_k3	(Optional) DUAL metric k3
metric_weight_k4	(Optional) DUAL metric k4
metric_weight_k5	(Optional) DUAL metric k5
metric_weight_k6	(Optional) DUAL metric k6
metric_ribscale	(Optional) RIB Scale
metric_version	(Optional) Metric version
eigrp_proto	(Optional) IP Protocol number
multicast_group	(Optional) Multicast Group Address
int_distance	(Optional) Internal Administrative Distance
ext_distance	(Optional) External Administrative Distance
max_paths	(Optional) Maximum paths allowed for a dndb
num_interfaces	(Optional) Number of EIGRP interfaces configured under this AS
num_lo_interfaces	(Optional) Number of EIGRP loopback interfaces configured under this AS
num_pass_interfaces	(Optional) Number of EIGRP Passive interfaces configured under this AS
num_peers	(Optional) Number of EIGRP peers
TABLE_redist	(Optional) Redistribution Table
redist_srcproto	(Optional) Source protocol of the redistributed route
redist_routemap	(Optional) Route-map used in this redistribution
graceful_restart	(Optional) Graceful restart configured?
stub_configured	(Optional) Stub-Routing configured?
stub_option_connected	(Optional) Advertise connected routes?
stub_option_summary	(Optional) Advertise summary routes?
stub_option_redist	(Optional) Advertise redistributed routes?
stub_option_leak_map	(Optional) Allow routes permitted by leak-map?
stub_option_receive_only	(Optional) Configured as receive only?

Command Mode

- /exec

show ip eigrp accounting

show { ip | ipv6 } eigrp [<eigrp-ptag>] accounting [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> <router_id> TABLE_vrf <vrf> <total_prefix> <redist_state> <redist_count> <restart_count> <acct_timer> [TABLE_peer { <p_ipaddr> | <p_ipv6addr> } <p_state> <p_ifname> <p_prefix_count> <p_restart_count> <p_acct_timer>]]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
accounting	IP-EIGRP Accounting
__readonly__	(Optional)
TABLE_asn	(Optional) AS number table
asn	(Optional) AS number
router_id	(Optional) Router-ID
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
total_prefix	(Optional) Total prefix count (Aggregate)
redist_state	(Optional) State of redistributed prefixes
redist_count	(Optional) Number of redistributed prefixes
restart_count	(Optional) Number of times the prefix was suspended
acct_timer	(Optional) Accounting timer
TABLE_peer	(Optional) Peer (Prefix) table
p_ipaddr	(Optional) Peer IP addr

p_state	(Optional) Peer state
p_ifname	(Optional) Peering interface
p_prefix_count	(Optional) Number of Prefixes learnt from the peer
p_restart_count	(Optional) Number of times the prefix was suspended
p_acct_timer	(Optional) Peer accounting timer

Command Mode

- /exec

show ip eigrp event-history

show { ip | ipv6 } eigrp [<eigrp-ptag>] [internal] event-history { fsm | packet | rib }

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
eigrp-ptag	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Event History of EIGRP
fsm	FSM log of EIGRP
packet	Packet log of EIGRP
rib	RIB log of EIGRP

Command Mode

- /exec

show ip eigrp event-history bfd

show { ip | ipv6 } eigrp [<eigrp-ptag>] [internal] event-history bfd

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
eigrp-ptag	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Event History of EIGRP
bfd	Show bfd log of EIGRP

Command Mode

- /exec

show ip eigrp event

show { ip | ipv6 } eigrp [<eigrp-ptag>] event [<start-num> <end-num>] [type] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
event	IP-EIGRP Events
start-num	(Optional) Starting event number
end-num	(Optional) Ending event number
type	(Optional) Show Events being logged

Command Mode

- /exec

show ip eigrp interfaces

show { ip | ipv6 } eigrp [<eigrp-ptag>] interfaces [detail] [<interface>] [brief] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> TABLE_vrf <vrf> [TABLE_if <ifname> <peer_count> <xmitq_unrel> <xmitq_rel> <mean_srtt> <send_intvl_unrel> <send_intvl_rel> <mcast_flow_delay> <pending_routes> [<hello_intvl> <holdtime_intvl> <next_xmit_serno> <packetize_pending> <mcasts_sent_unrel> <mcasts_sent_rel> <ucasts_sent_unrel> <ucasts_sent_rel> <mcast_exceptions> <cr_packets> <acks_suppressed> <retrans_sent> <out_of_seq_rcvd> <stub_interface> <nexthop_self> <auth_mode_md5> <auth_key_chain>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
interfaces	IP-EIGRP interfaces
detail	(Optional) Show detailed interface information
interface	(Optional) Interface
brief	(Optional) Show summary information only
__readonly__	(Optional)
TABLE_asn	(Optional) AS number table
asn	(Optional) AS number
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
TABLE_if	(Optional) Interface table
ifname	(Optional) Interface name
peer_count	(Optional) Number of Peer on this interface
xmitq_unrel	(Optional) Xmit Q (unreliable) count

xmitq_rel	(Optional) Xmit Q (reliable) count
mean_srtt	(Optional) Mean of all peer SRTTs
send_intvl_unrel	(Optional) Base packet gap, per queue (unreliable)
send_intvl_rel	(Optional) Base packet gap, per queue (reliable)
mcast_flow_delay	(Optional) Last delay for Multicast flow control timer
pending_routes	(Optional) Pending routes on the interface
hello_intvl	(Optional) Configured hello interval for interface
holdtime_intvl	(Optional) Configured holdtime interval for interface
next_xmit_serno	(Optional) Next xmit serial number
packetize_pending	(Optional) Packetization pending?
mcasts_sent_unrel	(Optional) Number of Multicasts sent (unreliable)
mcasts_sent_rel	(Optional) Number of Multicasts sent (reliable)
ucasts_sent_unrel	(Optional) Number of Unicasts sent (unreliable)
ucasts_sent_rel	(Optional) Number of Unicasts sent (reliable)
mcast_exceptions	(Optional) Multicast exceptions (Count of multicasts sent as unicasts)
cr_packets	(Optional) Count of Multicasts sent with CR
acks_suppressed	(Optional) Count of suppressed ACK packets
retrans_sent	(Optional) Count of Retransmissions sent
out_of_seq_rcvd	(Optional) Count of packets received Out-of-Sequence
stub_interface	(Optional) All Peers are stubbed?
nexthop_self	(Optional) should retain next-hop?
auth_mode_md5	(Optional) MD5 Authentication enabled?
auth_key_chain	(Optional) Authentication key-chain

Command Mode

- /exec

show ip eigrp metric

show { ip | ipv6 } eigrp [<eigrp-ptag>] metric <bw> <delay> [<rel>] [<load>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
metric	Compute composite metric from vector metric
bw	Bandwidth in Kbits per second
delay	Delay metric
rel	(Optional) Reliability metric where 255 is 100% reliable
load	(Optional) Effective bandwidth metric (Loading) where 255 is 100% loaded

Command Mode

- /exec

show ip eigrp neighbors

show { { ip eigrp [<eigrp-ptag>] neighbors [detail | state] { [<interface>] | { [<address>] [vrf { <vrf-name> | <vrf-known-name> | all }] } } } | { ipv6 eigrp [<eigrp-ptag>] neighbors [detail | state] { [<interface>] | { [<ipv6-addr>] [vrf { <vrf-name> | <vrf-known-name> | all }] } } } } [__readonly__ TABLE_asn <asn> TABLE_vrf <vrf> [{ TABLE_peer <peer_handle> { <peer_ipaddr> | <peer_ipv6addr> } <peer_ifname> <peer_holdtime> <peer_srtt> <peer_rto> <peer_xmitq_count> <peer_last_seqno> <peer_uptime> [<peer_static> <peer_nsf_restart_time> <peer_last_startup_serno> <peer_ios_major_ver> <peer_ios_minor_ver> <peer_eigrp_major_rev> <peer_eigrp_minor_rev> <peer_retrans_count> <peer_retry_count> <peer_wait_for_init> <peer_wait_for_init_ack> <peer_reinit_start_time> <peer_prefix_count> <peer_info_stubbed> <peer_info_receive_only> [<peer_info_allow_connected> <peer_info_allow_statics> <peer_info_allow_summaries> <peer_info_allow_redist> <peer_info_allow_leaking>] [<peer_state_cr_mode> <peer_state_need_init> <peer_state_need_init_ack> <peer_state_going_down> <peer_state_coming_up> <peer_state_peer_deleted> <peer_state_nsf_in_progress> <peer_state_need_eot> <peer_state_use_nsf_startup_mode> <peer_state_await_nsf_convergence> <peer_state_initiated_gr> <peer_state_cr_sequence> <peer_state_rcv_probe_sequence> <peer_state_send_probe_sequence>] <peer_suppress_queries>] [TABLE_xmitq_pkts <pkt_qtype> <pkt_counter> <pkt_opcode> <pkt_ack_seqno> <pkt_start_seqno> <pkt_end_seqno> <pkt_len> <pkt_time_sent> <pkt_init_flag> <pkt_sequenced>] }] [{ TABLE_suspended_peer { <susp_peer_ipaddr> | <susp_peer_ipv6addr> } <susp_peer_ifname> <susp_peer_restart_reqd> <susp_peer_restart_time> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
neighbors	IP-EIGRP neighbors
detail	(Optional) Show detailed peer information
state	(Optional) Show detailed peer and state information
interface	(Optional) Interface
address	(Optional) IP-EIGRP neighbor address
__readonly__	(Optional)

TABLE_asn	(Optional) AS number table
asn	(Optional) AS number
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
TABLE_peer	(Optional) Peer table
peer_handle	(Optional) Peer handle
peer_ipaddr	(Optional) Peer's IP addr
peer_ifname	(Optional) Peering Interface name
peer_holdtime	(Optional) Hold-time for the peer
peer_uptime	(Optional) Peer Up-time
peer_srtt	(Optional) SRTT
peer_rto	(Optional) RTO
peer_xmitq_count	(Optional) Xmit Q count
peer_last_seqno	(Optional) Last received Sequence number
peer_static	(Optional) Static peer?
peer_nsf_restart_time	(Optional) Timestamp of last nsf restart
peer_last_startup_serno	(Optional) Target serial number for unicast startup
peer_ios_major_ver	(Optional) IOS major version
peer_ios_minor_ver	(Optional) IOS minor version
peer_eigrp_major_rev	(Optional) EIGRP major revision
peer_eigrp_minor_rev	(Optional) EIGRP minor revision
peer_retrans_count	(Optional) Number of retransmissions to this peer
peer_retry_count	(Optional) Retries for packets on xmit Q
peer_wait_for_init	(Optional) Waiting for INIT
peer_wait_for_init_ack	(Optional) Waiting for INIT-ACK
peer_reinit_start_time	(Optional) Re-Init start time
peer_prefix_count	(Optional) Number of Prefixes received from the peer
peer_info_stubbed	(Optional) Peer is a Stub?
peer_info_receive_only	(Optional) Peer is receive-only?

peer_info_allow_connected	(Optional) Peer advertises connected routes?
peer_info_allow_statics	(Optional) Peer advertises static routes?
peer_info_allow_summaries	(Optional) Peer advertises summary routes?
peer_info_allow_redist	(Optional) Peer advertises redistributed routes?
peer_info_allow_leaking	(Optional) Peer advertises routes permitted by leak-map?
peer_state_cr_mode	(Optional) Conditional Received mode set?
peer_state_need_init	(Optional) Waiting for Init from peer?
peer_state_need_init_ack	(Optional) Waiting for InitAck from peer?
peer_state_going_down	(Optional) Peer-Going-down?
peer_state_coming_up	(Optional) Peer-Coming-up?
peer_state_peer_deleted	(Optional) Peer-Deleted?
peer_state_nsf_in_progress	(Optional) Peer is nsf restarting?
peer_state_need_eot	(Optional) Expect end-of-table from this peer?
peer_state_use_nsf_startup_mode	(Optional) Use nsf startup method?
peer_state_await_nsf_convergence	(Optional) The peer is waiting eot from us?
peer_state_initiated_gr	(Optional) Initiated graceful restart?
peer_state_cr_sequence	(Optional) Expected sequence number of CR packet
peer_state_rcv_probe_sequence	(Optional) Sequence number of last probe packet received
peer_state_send_probe_sequence	(Optional) Sequence number of next probe to send
peer_suppress_queries	(Optional) Supress queries to this peer?
TABLE_xmitq_pkts	(Optional) Xmit Q packtes table
pkt_qtype	(Optional) XMIT Qtype
pkt_counter	(Optional) Packet counter for the packets present in the transmit queue
pkt_opcode	(Optional) Packet opcode
pkt_ack_seqno	(Optional) Ack/Sequence number of this packet
pkt_start_seqno	(Optional) Starting serial number
pkt_end_seqno	(Optional) Ending serial number
pkt_len	(Optional) Packet length
pkt_time_sent	(Optional) Time at which the packet is transmitted

pkt_init_flag	(Optional) Init-flag should be sent in the packet?
pkt_sequenced	(Optional) Packet is sequenced?
TABLE_suspended_peer	(Optional) Suspended peer table
susp_peer_ipaddr	(Optional) IP address of suspended peer
susp_peer_ifname	(Optional) Inteface through which we are connected to the suspended peer
susp_peer_restart_reqd	(Optional) Suspended peer restart required?
susp_peer_restart_time	(Optional) Suspended peer restart time
eigrp-ptag	(Optional)

Command Mode

- /exec

show ip eigrp route-map statistics

show ip eigrp [<eigrp-ptag>] route-map statistics { { redistribute { bgp <as> | { eigrp | isis | ospf | rip } <tag> | static | direct | amt | lisp } } | table-map } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> TABLE_vrf <vrf> { TABLE_rmap <name> <action> <seq_num> [{ TABLE_cmd <command> <compare_count> <match_count> }] } <total_accept_count> <total_reject_count>]

Syntax Description

show	Show running system information
ip	Display IP information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
route-map	Route-map related information
statistics	Route-map statistics
redistribute	Redistribute information from another routing protocol
table-map	Tablemap information
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
isis	IS-IS Routing for IPv4
ospf	Open Shortest Path First (OSPF)
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
tag	Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix
lisp	LISP EID-prefixes

__readonly__	(Optional)
TABLE_asn	(Optional) AS number table
asn	(Optional) AS number
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
TABLE_rmap	(Optional) Routemap table
name	(Optional) Route-map Name
action	(Optional) Route-map action
seq_num	(Optional) Sequence number of the rule in route-map
TABLE_cmd	(Optional) Route-map command table
command	(Optional) Route-map command
compare_count	(Optional) Number of comparisons
match_count	(Optional) Number of matches
total_accept_count	(Optional) Total number of packets accepted by the policy
total_reject_count	(Optional) Total number of pakcets rejected by the policy

Command Mode

- /exec

show ip eigrp sia-event

show { ip | ipv6 } eigrp [<eigrp-ptag>] sia-event [<start-num> <end-num>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
sia-event	IP-EIGRP SIA event
start-num	(Optional) Starting event number
end-num	(Optional) Ending event number

Command Mode

- /exec

show ip eigrp sia-statistics

show { ip | ipv6 } eigrp [<eigrp-ptag>] sia-statistics [<peer>] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
sia-statistics	IP-EIGRP SIA Statistics
peer	(Optional) Peer ID to display information about

Command Mode

- /exec

show ip eigrp timers

show { ip | ipv6 } eigrp [<eigrp-ptag>] timers [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
timers	IP-EIGRP Timers

Command Mode

- /exec

show ip eigrp traffic

show { ip | ipv6 } eigrp [<eigrp-ptag>] traffic [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> TABLE_vrf <vrf> <hellos_sent> <hellos_rcvd> <updates_sent> <updates_rcvd> <queries_sent> <queries_rcvd> <replies_sent> <replies_rcvd> <acks_sent> <acks_rcvd> <max_inqueue_depth> <inqueue_drops> <sia_queries_sent> <sia_queries_rcvd> <sia_replies_sent> <sia_replies_rcvd>]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
traffic	IP-EIGRP Traffic Statistics
__readonly__	(Optional)
TABLE_asn	(Optional) AS number table
asn	(Optional) AS number
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
hellos_sent	(Optional) Number of Hellos sent
hellos_rcvd	(Optional) Number of Hellos received
updates_sent	(Optional) Number of Updates sent
updates_rcvd	(Optional) Number of Updates received
queries_sent	(Optional) Number of Queries sent
queries_rcvd	(Optional) Number of Queries received
replies_sent	(Optional) Number of Replies sent
replies_rcvd	(Optional) Number of Replies received

acks_sent	(Optional) Number of ACKs sent
acks_rcvd	(Optional) Number of ACKs received
max_inqueue_depth	(Optional) Input queue high water mark
inqueue_drops	(Optional) Input queue drops
sia_queries_sent	(Optional) Number of SIA queries sent
sia_queries_rcvd	(Optional) Number of SIA queries received
sia_replies_sent	(Optional) Number of SIA replies sent
sia_replies_rcvd	(Optional) Number of SIA replies received

Command Mode

- /exec

show ip extcommunity-list

show ip extcommunity-list [<extcl_name>] [__readonly__ TABLE_extcl <name> <action> <rule>]

Syntax Description

show	Show running system information
ip	Display IP information
extcommunity-list	List extcommunity-list
extcl_name	(Optional) Standard or expanded community-list name
__readonly__	(Optional)
TABLE_extcl	(Optional)
name	(Optional)
action	(Optional)
rule	(Optional)

Command Mode

- /exec

show ip fib adjacency

show ip fib adjacency [<aif>] [<anh>] [module <module>] [__readonly__ <adj-count> <nexthop> <rewinfo> <interface>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
adjacency	display adjacency information
aif	(Optional) adjacency output interface
anh	(Optional) adjacency next hop
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
adj-count	(Optional) total adj count
nexthop	(Optional) next hop address
rewinfo	(Optional) rewrite information
interface	(Optional) output interface

Command Mode

- /exec

show ip fib distribution

show ip fib distribution [pauz | rezum]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution information
pauz	(Optional) start black-holing routes
rezum	(Optional) stop black-holing routes

Command Mode

- /exec

show ip fib distribution capture

show ip fib distribution capture [__readonly__ <type><len><data>]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution info
capture	unicast capture buffer
__readonly__	(Optional)

Command Mode

- /exec

show ip fib distribution clients

show ip fib distribution clients [__readonly__ <id><pid><name><shms><shme><shmn>]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution info
clients	unicast client information
__readonly__	(Optional)

Command Mode

- /exec

show ip fib distribution mroute

show ip fib distribution mroute [{ <group> | <gprefix> } [<source>]] [table <id>] [__readonly__ <table_name> <src_len> <grp_len> <df_ordinal> <rpfif> <rpf_ifname> <flag> <flag_value> <num_groups> <num_sources> <refcount> <oiflist_id> <oif_count> <oif_name> <oif_ifindex> <bytecnt> <pktcnt>]

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
mroute	MFDM IP multicast routing table
group	(Optional) IPv4 Multicast Group Address
gprefix	(Optional) IPv4 Multicast Group Prefix
source	(Optional) IPv4 Source Address
table	(Optional) Specify Multicast Routing Table
id	(Optional) Multicast Routing Table Identifier
__readonly__	(Optional)
table_name	(Optional) Table name
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
rpf_ifname	(Optional) RPF Interface ifName
flag	(Optional) Route type flag
flag_value	(Optional) hex value of route flag
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
refcount	(Optional) Reference Count
oiflist_id	(Optional) OIF list Identifier
oif_count	(Optional) Number of OIFs

oif_name	(Optional) OIF Name
oif_ifindex	(Optional) OIF ifIndex
bytecnt	(Optional) Current Byte counter
pktcnt	(Optional) Current Packet counter

Command Mode

- /exec

show ip fib distribution multicast

show ip fib distribution multicast [messages] [__readonly__ <fibstate> <slot> <accepting_routes> <num_accepting_routes>]

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
messages	(Optional) Outstanding Message Information
__readonly__	(Optional)
fibstate	(Optional) IP Multicast FIB process state
slot	(Optional) Slot
accepting_routes	(Optional) Indicates whether FIB is accepting routes
num_accepting_routes	(Optional) Number of fibs accepting routes

Command Mode

- /exec

show ip fib distribution multicast outgoing-interface-list

show ip fib distribution multicast outgoing-interface-list { L2 | L3 | OTV } [<index>] [__readonly__ <platform_index> <ref_count> <num_oif> <oif>]

Syntax Description

show	
ip	IP information
fib	Forwarding Information
distribution	FIB distribution information
multicast	Multicast FIB distribution information
outgoing-interface-list	Outgoing interface list
L2	Layer 2 oiflist
L3	Layer 3 oiflist
OTV	OTV oiflist
index	(Optional) Outgoing Interface List index
__readonly__	(Optional)
platform_index	(Optional) Platform index
ref_count	(Optional) Reference count
num_oif	(Optional) Number of outgoing interfaces
oif	(Optional) OIF name

Command Mode

- /exec

show ip fib distribution state

show ip fib distribution state [__readonly__ <slot><known><ar><rcnt><state>]

Syntax Description

show	
ip	ipv4
fib	forwarding information
distribution	fib distribution info
state	unicast fib state info
__readonly__	(Optional)

Command Mode

- /exec

show ip fib interfaces

show ip fib interfaces [module <module>] [__readonly__ <intf> <v4adjcnt> <v6adjcnt> <rpfmode>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
interfaces	show fib interface info
__readonly__	(Optional)
intf	(Optional) interface name
module	(Optional) slot
module	(Optional) slot number
v4adjcnt	(Optional) count of v4 adjacencies
v6adjcnt	(Optional) count of v6 adjacencies
rpfmode	(Optional) uRPF mode

Command Mode

- /exec

show ip fib mroute

show ip fib mroute [{ <group> | <gprefix> } [<source>]] [table <table-id>] [module <module>] [__readonly__ <table_type> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif> <rpf_ifindex> <flag> <flag_value> <route_pkts> <route_bytes> <oiflist_id> <platform_id> <oif_count> <refcount> <oifname> <oifindex> <oif_pkts> <oif_bytes>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
mroute	Multicast IPv4 routes
group	(Optional) Multicast IPv4 Group Address
gprefix	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source Address
table	(Optional) display info per vpn-id
table-id	(Optional) table-id
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
table_type	(Optional) Table Type
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
rpf_ifindex	(Optional) RPF Interface ifIndex
flag	(Optional) Route type flag
flag_value	(Optional) hex value of route flag
route_pkts	(Optional) Route packet count

route_bytes	(Optional) Route bytes
oiflist_id	(Optional) OIF list Identifier
platform_id	(Optional) Platform-index
oif_count	(Optional) Number of OIFs
refcount	(Optional) OIF list Reference Count
oifname	(Optional) OIF Interface name
oifindex	(Optional) OIF Interface ifIndex
oif_pkts	(Optional) OIF packets
oif_bytes	(Optional) OIF bytes

Command Mode

- /exec

show ip fib mroute

show ip fib mroute [{ <group> | <gprefix> } [<source>]] [table <table-id>] [module <module>] [__readonly__ <table_type> <num_groups> <num_sources> <src_len> <grp_len> <df_ordinal> <rpfif> <rpf_ifindex> <flag> <flag_value> <route_pkts> <route_bytes> <oiflist_id> <platform_id> <oif_count> <refcount> <oifname> <oifindex> <oif_pkts> <oif_bytes>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
mroute	Multicast IPv4 routes
group	(Optional) Multicast IPv4 Group Address
gprefix	(Optional) Multicast IPv4 Group Prefix
source	(Optional) Multicast IPv4 Source Address
table	(Optional) display info per vpn-id
table-id	(Optional) table-id
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
table_type	(Optional) Table Type
num_groups	(Optional) Number of group entries in the table
num_sources	(Optional) Number of (S, G) entries for the group address
src_len	(Optional) Source Address Mask
grp_len	(Optional) Group address Mask
df_ordinal	(Optional) DF ordinal
rpfif	(Optional) RPF interface
rpf_ifindex	(Optional) RPF Interface ifIndex
flag	(Optional) Route type flag
flag_value	(Optional) hex value of route flag
route_pkts	(Optional) Route packet count

route_bytes	(Optional) Route bytes
oiflist_id	(Optional) OIF list Identifier
platform_id	(Optional) Platform-index
oif_count	(Optional) Number of OIFs
refcount	(Optional) OIF list Reference Count
oifname	(Optional) OIF Interface name
oifindex	(Optional) OIF Interface ifIndex
oif_pkts	(Optional) OIF packets
oif_bytes	(Optional) OIF bytes

Command Mode

- /exec

show ip fib mroute txlist

show ip fib mroute txlist [module <module>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
mroute	display IP mcast routing table
txlist	display routes in the txlist
module	(Optional) slot
module	(Optional) slot number

Command Mode

- /exec

show ip fib route

show ip fib route [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [summary | <prefix> [longer-prefixes] | <address> | interface <interface> | next-hop <nh> | attached | unresolved | adjacency { <aif> <anh> | drop | glean | punt }] [module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ <header> <vrfname> <tableid> <prefix-count> <pfx> { <nexthop> | <special> } <intf> <route-count> <path-count> <mask-length> <routes-per-mask>]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
route	display IP routing table
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
summary	(Optional) display route counts
prefix	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
address	(Optional) display single longest match route
interface	(Optional) display routes with this output i/f only
interface	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
nh	(Optional) next hop address
attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display routes via specified adjacency
aif	(Optional) adjacency output interface
anh	(Optional) adjacency next-hop address

drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
header	(Optional) header string
vrfname	(Optional) VRF name
tableid	(Optional) table identifier
prefix-count	(Optional) total number of prefix in VRF
pfx	(Optional) ipv4 prefix
nexthop	(Optional) next hop address
special	(Optional) special adjacencies
intf	(Optional) output interface
route-count	(Optional) total number of routes in VRF
path-count	(Optional) total number of paths in VRF
mask-length	(Optional) length of mask
routes-per-mask	(Optional)

Command Mode

- /exec

show ip fib route

show ip fib route [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [summary | <prefix> [longer-prefixes] | <address> | interface <interface> | next-hop <nh> | attached | unresolved | adjacency { <aif> <anh> | drop | glean | punt }] [module <module> | vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] + [__readonly__ [<header> <vrfname> <tableid> <prefix-count> <pfx> { <nexthop> | <special> } <intf> <route-count> <path-count> <mask-length> <routes-per-mask>] [TABLE_vrf { [<vrf_name_out>] [<table_name>] [TABLE_prefix { [<pfx>] [TABLE_path { [<nexthop> | <special>] [<intf>] }] }] }]]

Syntax Description

show	
ip	Display IP information
fib	Forwarding information
route	display IP routing table
vrf	(Optional) display info per VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
table	(Optional) display info per vpn-id
table_id	(Optional) table number
summary	(Optional) display route counts
prefix	(Optional) display single exact match route
longer-prefixes	(Optional) display longer prefixes
address	(Optional) display single longest match route
interface	(Optional) display routes with this output i/f only
interface	(Optional) output interface
next-hop	(Optional) display routes with this next-hop only
nh	(Optional) next hop address
attached	(Optional) display directly connected routes
unresolved	(Optional) display unresolved routes
adjacency	(Optional) display routes via specified adjacency
aif	(Optional) adjacency output interface

anh	(Optional) adjacency next-hop address
drop	(Optional) display routes via drop adjacency
glean	(Optional) display routes via glean adjacency
punt	(Optional) display routes via punt adjacency
module	(Optional) slot
module	(Optional) slot number
__readonly__	(Optional)
header	(Optional) header string
vrfname	(Optional) VRF name
tableid	(Optional) table identifier
prefix-count	(Optional) total number of prefix in VRF
pfx	(Optional) ipv4 prefix
nexthop	(Optional) next hop address
special	(Optional) special adjacencies
intf	(Optional) output interface
route-count	(Optional) total number of routes in VRF
path-count	(Optional) total number of paths in VRF
mask-length	(Optional) length of mask
routes-per-mask	(Optional)
TABLE_vrf	(Optional) vrf table
vrf_name_out	(Optional) VRF name
table_name	(Optional) table name
TABLE_prefix	(Optional) all xml prefix entries
pfx	(Optional) ipv4 prefix
TABLE_path	(Optional) path table
nexthop	(Optional) next hop address
special	(Optional) special adjacencies
intf	(Optional) output interface

Command Mode

- /exec

show ip fib route recovered

show ip fib route recovered

Syntax Description

show	
ip	ipv4
fib	display fib information
route	display IP routing table
recovered	log of routes recovered after TCAM free condition

Command Mode

- /exec

show ip ftm statistics

show ip ftm statistics

Syntax Description

show	Show running system information
ip	Display IP information
ftm	FTM API
statistics	Statistics

Command Mode

- /exec

show ip ftp source-interface

show ip ftp source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_ipftpvrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_ipftpvrf	(Optional) source interface of ftp given vrf
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip ftp source-interface vrf all

show ip ftp source-interface vrf all [__readonly__ [{ TABLE_ipftp <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ftp	Display FTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipftp	(Optional) source interface of ftp
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip http source-interface

show ip http source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_iphttpvrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_iphttpvrf	(Optional) source interface of http given vrf
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip http source-interface vrf all

show ip http source-interface vrf all [__readonly__ [{ TABLE_iphttp <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
http	Display HTTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_iphttp	(Optional) source interface of http
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip igmp event-history

show ip igmp [internal] event-history { errors | msgs | <igmp-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
internal	(Optional) Commands for internal use
event-history	Show various event logs of IGMP
errors	Show error logs of IGMP
msgs	Show various message logs of IGMP
igmp-event-hist-buf-name	Show various logs of IGMP
statistics	Show state and size of buffer

Command Mode

- /exec

show ip igmp groups

show ip igmp { groups | route } [<source> [<group>] | <group> [<source>]] [<interface>] [summary] [vrf { <vrf-name> | <vrf-known-name> | all }] [summary-old] [__readonly__ [TABLE_vrf [<if-name>] [<vrfname>] [<entry-count>] [<group-addr>] [<sourceaddress>] [TABLE_group [<group-addr>] [<group-type>] [<if-name>] [<uptime>] [<expires>] [<reporter>]] [TABLE_source [<source-addr>] [<group-type>] [<translate>] [<if-name>] [<uptime>] [<expires>] [<reporter>]] [<vrf-cntxt>] [<g-count>] [<sg-count>]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
groups	Display IGMP attached group membership information
route	Display IGMP attached group membership information
group	(Optional) Multicast IP address of single group to display
source	(Optional) Source IP address
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	(Optional) Display group membership on single interface name
summary	(Optional) Display group summary
summary-old	(Optional) Display group summary
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrfname	(Optional)
if-name	(Optional)
group-addr	(Optional)
entry-count	(Optional)
sourceaddress	(Optional)
TABLE_group	(Optional)

group-addr	(Optional)
group-type	(Optional)
if-name	(Optional)
uptime	(Optional)
expires	(Optional)
reporter	(Optional)
TABLE_source	(Optional)
source-addr	(Optional)
group-type	(Optional)
translate	(Optional)
if-name	(Optional)
uptime	(Optional)
expires	(Optional)
reporter	(Optional)
vrf-cntxt	(Optional)
g-count	(Optional)
sg-count	(Optional)

Command Mode

- /exec

show ip igmp interface

show ip igmp interface [<interface>] [brief] [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf> [<entry-count>] [[TABLE_brief [<if-name>] [<addr>] [<querier>] [<mc>] [<ver>]] [TABLE_if <if-name> [<if-status>] [<ip-sum>] [<addr>] [<querier>] [<q-ver>] [<next-query>] [<expires>] [<mc>] [<ver>] [<host-ver>] [<qi>] [<cqi>] [<mrt>] [<cmrt>] [<sqi>] [<csqi>] [<sqc>] [<lmmrt>] [<lmqc>] [<gt>] [<cgt>] [<qt>] [<cqt>] [<uri>] [<rv>] [<crv>] [<rll>] [<rc>] [<il>] [<join-group-map>] [<static-group-map>] [<host-proxy>] [<host-proxy-group-map>] [<un-solicited>] [<unsoint>] [<v1rr>] [<v2qs>] [<v2qr>] [<v2rs>] [<v2rr>] [<v2ls>] [<v2lr>] [<v3qs>] [<v3qr>] [<v3rs>] [<v3rr>] [<v2gqdest>] [<v3gqdest>] [<cse>] [<ple>] [<lsip>] [<scf>] [<qnq>] [<rvm>] [<qvm>] [<uit>] [<v1gdam>] [<v2gdam>] [<v3dai>] [<ra>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
interface	Display IGMP interface related information
interface	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
entry-count	(Optional)
TABLE_brief	(Optional)
if-name	(Optional)
addr	(Optional)
querier	(Optional)
mc	(Optional)

ver	(Optional)
TABLE_if	(Optional)
if-name	(Optional)
if-status	(Optional)
ip-sum	(Optional)
addr	(Optional)
querier	(Optional)
q-ver	(Optional)
next-query	(Optional)
expires	(Optional)
mc	(Optional)
ver	(Optional)
host-ver	(Optional)
qi	(Optional)
cqi	(Optional)
mrt	(Optional)
cmrt	(Optional)
sqi	(Optional)
csqi	(Optional)
sqc	(Optional)
lmmrt	(Optional)
lmqc	(Optional)
gt	(Optional)
cgt	(Optional)
qt	(Optional)
cqt	(Optional)
uri	(Optional)
rv	(Optional)
crv	(Optional)

rll	(Optional)
rc	(Optional)
v1rr	(Optional)
v2qs	(Optional)
v2qr	(Optional)
v2rs	(Optional)
v2rr	(Optional)
v2ls	(Optional)
v2lr	(Optional)
v3qs	(Optional)
v3qr	(Optional)
v3rs	(Optional)
v3rr	(Optional)
v2gqdest	(Optional)
v3gqdest	(Optional)
cse	(Optional)
ple	(Optional)
lsip	(Optional)
scf	(Optional)
qnq	(Optional)
rvm	(Optional)
qvm	(Optional)
uit	(Optional)
v1gdam	(Optional)
v2gdam	(Optional)
v3dai	(Optional)
ra	(Optional)
static-group-map	(Optional)
join-group-map	(Optional)

host-proxy-group-map	(Optional)
il	(Optional)
host-proxy	(Optional)
un-solicited	(Optional)
unsoint	(Optional)

Command Mode

- /exec

show ip igmp local-groups

show ip igmp local-groups [<interface>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_vrf [<vrf-name>] [TABLE_if [<if-name>] [TABLE_grp [<group-addr>] [TABLE_src [<source-addr>] [<last-reported>] [<local-group>] [<static-oif>] [<report-only>] [<host-proxy>]]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
local-groups	Display IGMP local group membership information
interface	(Optional) Display group membership on single interface name
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_if	(Optional)
if-name	(Optional)
TABLE_grp	(Optional)
group-addr	(Optional)
TABLE_src	(Optional)
source-addr	(Optional)
last-reported	(Optional)
local-group	(Optional)
static-oif	(Optional)
report-only	(Optional)
host-proxy	(Optional)

Command Mode

- /exec

show ip igmp policy statistics reports

show ip igmp policy statistics reports [<interface>] [__readonly__ [TABLE_interface [<if>] [TABLE_routemap [<name>] [<action>] [<seq_num>] [TABLE_cmd [<command>] [<match_count>] [<compare_count>]]] [<total_accept_count>] [<total_reject_count>]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Show IGMP related information
policy	Policy related information
statistics	Policy statistics
reports	IGMP reports
interface	(Optional) Interface to display statistics for
__readonly__	(Optional)
TABLE_interface	(Optional)
if	(Optional)
TABLE_routemap	(Optional)
name	(Optional)
action	(Optional)
seq_num	(Optional)
TABLE_cmd	(Optional)
command	(Optional)
compare_count	(Optional)
match_count	(Optional)
total_accept_count	(Optional)
total_reject_count	(Optional)

Command Mode

- /exec

show ip igmp snooping

show ip igmp snooping [{ vlan <vlan> | bridge-domain <bdid> }] [__readonly__ [<vdc>] [<enabled>] [<omf>] [<grepsup>] [<gv3repsup>] [<glinklocalgrpsup>] { TABLE_vlan <vlan-id> [<description>] [<snoop-on>] [<qa>] [<qv>] [<qi>] [<qlmqi>] [<rv>] [<sq>] [<sqr>] [<eht>] [<fl>] [<repsup>] [<v3repsup>] [<vlinklocalgrpsup>] [<rpc>] [<gc>] [TABLE_active_ports [<actvports>]] [<lkupmode>] [<omf_enabled>] [<reportfloodenable>] [<reportfloodall>] [TABLE_intf <if-name>] [<leavegroupaddress>] }]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
vlan	(Optional) Display VLAN IGMP snooping membership information
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
bdid	(Optional) Specify BD
__readonly__	(Optional)
vdc	(Optional)
enabled	(Optional)
omf	(Optional)
grepsup	(Optional)
gv3repsup	(Optional)
glinklocalgrpsup	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
description	(Optional) description, if any
snoop-on	(Optional)
qa	(Optional)
qv	(Optional)
qi	(Optional)

qlmqi	(Optional)
rv	(Optional)
sq	(Optional)
sqr	(Optional)
eht	(Optional)
fl	(Optional)
repsup	(Optional)
v3repsup	(Optional)
vlinklocalgrpsup	(Optional)
rpc	(Optional)
gc	(Optional)
TABLE_active_ports	(Optional)
actvports	(Optional)
lkupmode	(Optional)
omf_enabled	(Optional)
reportfloodenable	(Optional)
reportfloodall	(Optional)
TABLE_intf	(Optional)
if-name	(Optional)
leavegroupaddress	(Optional)

Command Mode

- /exec

show ip igmp snooping event-history

show ip igmp snooping [internal] event-history { statistics | <igmp-snoop-event-hist-buf-name> }

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
internal	(Optional) Display IGMP snooping internal information
event-history	Show various event logs of IGMP Snooping
statistics	Show state and size of the buffers
igmp-snoop-event-hist-buf-name	Show contents of event-history buffer

Command Mode

- /exec

show ip igmp snooping explicit-tracking

show ip igmp snooping explicit-tracking [vlan <vlan> | bridge-domain <bdid>] [detail] [__readonly__ [TABLE_vlan [<vlan-id>] [TABLE_gaddr [<grp-addr>] [TABLE_if [<if-name>] [TABLE_haddr [<host-addr>] [TABLE_srcaddr [<src-addr>] [<uptime>] [<last-join>] [<expires>] [<cfs-flag>] [<native-flag>] [<delete-pending>] [<cfs-update-pending>]]]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
explicit-tracking	Display explicit-tracking database for IGMPv3
vlan	(Optional) Display Vlan explicit-tracking database
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD explicit-tracking database
bdid	(Optional) Specify BD
detail	(Optional) Display detail info regarding host and vPC
__readonly__	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
TABLE_gaddr	(Optional)
grp-addr	(Optional)
TABLE_if	(Optional)
if-name	(Optional)
TABLE_haddr	(Optional)
host-addr	(Optional)
TABLE_srcaddr	(Optional)
src-addr	(Optional)
uptime	(Optional)
last-join	(Optional)

expires	(Optional)
cfs-flag	(Optional)
native-flag	(Optional)
delete-pending	(Optional)
cfs-update-pending	(Optional)

Command Mode

- /exec

show ip igmp snooping filter details

show ip igmp snooping filter [vlan <vlan_id>] details [__readonly__ { TABLE_vlanid <vlan-id> <access-group> <group-channels-limit> <igmp-min-ver> }]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
filter	Shows filter policy configuration
vlan	(Optional) Only for the specified VLAN
vlan_id	(Optional) VLAN ID
details	Shows different Filter configurations
__readonly__	(Optional)
TABLE_vlanid	(Optional)
vlan-id	(Optional)
access-group	(Optional)
group-channels-limit	(Optional)
igmp-min-ver	(Optional)

Command Mode

- /exec

show ip igmp snooping groups

show ip igmp snooping [otv | remote] groups [{ <source> [<group>] } | { <group> [<source>] }] [vlan <vlan> | bridge-domain <bdid>] [detail] [summary] [__readonly__ [TABLE_vlan [<vlan-id>] [<rports>] [<rtrPortFlag>] [TABLE_port <if-name>] [TABLE_rtrports <rport-if-name>] [<raddr>] [TABLE_source <source>] [TABLE_group <addr> [<g-mfdm>] [<ver>] [<old-host>] [<raddr>] [<static>] [<dynamic>] [TABLE_static_ports <static-if-name>] [TABLE_v2_ports <v2-if-name> [<uptime>] [<expires>] [<gq-missed>]] [TABLE_star_g_ports <star-g-if-name> [<uptime>] [<expires>]] [<g-vpc>] [<rsf>] [<js>] [TABLE_source <source> [<srsf>] [<s-mfdm>] [<src-static>] [<src-dynamic>] [TABLE_src_static_ports <src-static-if-name>] [TABLE_src_dynamic [<oifs>] <dyn-if-name> [<src-uptime>] [<src-expires>]] [<s-vpc>]]] [<snoop-enabled>] [<omf-enabled>] [<group-count>] [<s-g-count>] [<total_star_g_count>] [<total_sg_count>]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
otv	(Optional) IGMP Snooping OTV information
remote	(Optional) IGMP Snooping remote information
groups	Display snooping information for group address
summary	(Optional) Display snooping group summary
group	(Optional) Multicast IP address of single group to display
source	(Optional) Source IP address
vlan	(Optional) Display VLAN IGMP snooping membership information
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping membership information
bdid	(Optional) Specify BD
detail	(Optional) Display detailed information for the group
__readonly__	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
rports	(Optional)
rtrPortFlag	(Optional)

snoop-enabled	(Optional)
omf-enabled	(Optional)
group-count	(Optional)
s-g-count	(Optional)
total_star_g_count	(Optional)
total_sg_count	(Optional)
TABLE_port	(Optional)
if-name	(Optional)
TABLE_rtrports	(Optional)
rport-if-name	(Optional)
raddr	(Optional)
TABLE_group	(Optional)
addr	(Optional)
ver	(Optional)
raddr	(Optional)
TABLE_source	(Optional)
source	(Optional)
rsf	(Optional)
js	(Optional)
g-mfdm	(Optional)
old-host	(Optional)
g-vpc	(Optional)
static	(Optional)
dynamic	(Optional)
TABLE_static_ports	(Optional)
static-if-name	(Optional)
TABLE_v2_ports	(Optional)
v2-if-name	(Optional)
uptime	(Optional)

expires	(Optional)
gq-missed	(Optional)
TABLE_star_g_ports	(Optional)
star-g-if-name	(Optional)
uptime	(Optional)
expires	(Optional)
TABLE_source	(Optional)
source	(Optional)
srsf	(Optional)
s-mfdm	(Optional)
s-vpc	(Optional)
src-static	(Optional)
src-dynamic	(Optional)
TABLE_src_static_ports	(Optional)
src-static-if-name	(Optional)
TABLE_src_dynamic	(Optional)
oifs	(Optional)
dyn-if-name	(Optional)
src-uptime	(Optional)
src-expires	(Optional)

Command Mode

- /exec

show ip igmp snooping lookup-mode

show ip igmp snooping lookup-mode [vlan <vlan> | bridge-domain <bdid>] [__readonly__ [<configured>] [<operational>] [TABLE_vlan [<vlan-id>] [<lookup>]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
lookup-mode	IGMP Snooping lkup mode information
vlan	(Optional) Display VLAN information
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
bdid	(Optional) Specify BD
__readonly__	(Optional)
configured	(Optional)
operational	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
lookup	(Optional)

Command Mode

- /exec

show ip igmp snooping mac-oif

show ip igmp snooping mac-oif [vlan <vlan> | bridge-domain <bdid>] [detail] [__readonly__ [<totaloif>] [TABLE_vlan <vlan-id> <count> [TABLE_mac <mac-addr> [TABLE_oif <oifs>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mac-oif	IGMP Snooping static mac oif information
vlan	(Optional) Display VLAN information
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD information
bdid	(Optional) Specify BD
detail	(Optional) static mac oif detail, M2RIB oif info
__readonly__	(Optional)
totaloif	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
count	(Optional)
TABLE_mac	(Optional)
mac-addr	(Optional)
TABLE_oif	(Optional)
oifs	(Optional)

Command Mode

- /exec

show ip igmp snooping mrouter

show ip igmp snooping mrouter [otv] [vlan <vlan> | bridge-domain <bdid>] [detail] [__readonly__ TABLE_vlan <vlan-id> TABLE_intf <if-name> <static> <dynamic> <vpc> <fabricpath-core-port> <co-learned> <user-configured> <learnt-by-peer> <uptime> <expires> <internal>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
mrouter	Display multicast routers detected
otv	(Optional) IGMP Snooping OTV information
vlan	(Optional) Display VLAN multicast router information
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD multicast router information
bdid	(Optional) Specify BD
detail	(Optional) Display detailed mrouter information
__readonly__	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
TABLE_intf	(Optional)
if-name	(Optional)
uptime	(Optional)
expires	(Optional)
static	(Optional)
dynamic	(Optional)
internal	(Optional)
vpc	(Optional)
fabricpath-core-port	(Optional)
co-learned	(Optional)

user-configured	(Optional)
learnt-by-peer	(Optional)

Command Mode

- /exec

show ip igmp snooping pw vlan brief

show ip igmp snooping pw vlan brief [__readonly__ <vlan-id>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
pw	IGMP Snooping PW information
vlan	Display VLAN/BD information
brief	Brief output
__readonly__	(Optional)
vlan-id	(Optional)

Command Mode

- /exec

show ip igmp snooping querier

show ip igmp snooping querier [vlan <vlan> | bridge-domain <bdid>] [detail] [__readonly__ [TABLE_vlan <vlan-id> <qa> <qv> [<expires>] <qiod> <qname> <int> [<last_member_query_count>] [<config_last_member_query_count>] [<snooping_version>] [<config_qv>] [<robust>] [<config_robust>] [<startup_query_count>] [<config_startup_query_count>] [<startup_query_interval>] [<config_startup_query_interval>] [<mbr_query_interval>] [<config_mbr_query_interval>] [<snooping_query_intvl>] [<config_snooping_query_intvl>] [<gquery_response_time>] [<config_gquery_response_time>] [<querier_timeout>] [<querier_timeout_flag>]]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
querier	Display snooping querier information
vlan	(Optional) Display VLAN IGMP snooping querier information
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD IGMP snooping querier information
bdid	(Optional) Specify BD
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
qa	(Optional)
expires	(Optional)
qv	(Optional)
qiod	(Optional)
qname	(Optional)
int	(Optional)
last_member_query_count	(Optional)
config_last_member_query_count	(Optional)
snooping_version	(Optional)

config_qv	(Optional)
robust	(Optional)
config_robust	(Optional)
startup_query_count	(Optional)
config_startup_query_count	(Optional)
startup_query_interval	(Optional)
config_startup_query_interval	(Optional)
mbr_query_interval	(Optional)
config_mbr_query_interval	(Optional)
snooping_query_intvl	(Optional)
config_snooping_query_intvl	(Optional)
gquery_response_time	(Optional)
config_gquery_response_time	(Optional)
querier_timeout	(Optional)
querier_timeout_flag	(Optional)

Command Mode

- /exec

show ip igmp snooping report statistics

show ip igmp snooping { report-policy | access-group } statistics [vlan <vlan>] [__readonly__ [TABLE_vlanid { <vlan-id> <rpm-type> <policy-name> }]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
report-policy	IGMP Report Policy
access-group	IGMP access-group
statistics	Policy statistics
vlan	(Optional) Display VLAN IGMP snooping policy statistics information
vlan	(Optional) Specify VLAN
__readonly__	(Optional)
TABLE_vlanid	(Optional)
vlan-id	(Optional)
rpm-type	(Optional)
policy-name	(Optional)

Command Mode

- /exec

show ip igmp snooping snmp mib adminMode

show ip igmp snooping snmp mib adminMode [__readonly__ <cisAdminMode>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
adminMode	Indicates the administrative snooping mode of IGMP Snooping feature
__readonly__	(Optional) Read Only
cisAdminMode	(Optional) mib object cisAdminMode

Command Mode

- /exec

show ip igmp snooping snmp mib aliasingMode

show ip igmp snooping snmp mib aliasingMode [__readonly__ <cisAddressAliasingMode>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
aliasingMode	Indicates the current IGMP Address Aliasing Mode of the device
__readonly__	(Optional) Read Only
cisAddressAliasingMode	(Optional) mib object cisAddressAliasingMode

Command Mode

- /exec

show ip igmp snooping snmp mib cisV3ProcessEnableOperStatus

show ip igmp snooping snmp mib cisV3ProcessEnableOperStatus [__readonly__ <cisV3ProcessEnabledOperStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
cisV3ProcessEnableOperStatus	Indicates the current operational status of IGMP v3 processing in the system
__readonly__	(Optional) Read Only
cisV3ProcessEnabledOperStatus	(Optional) mib object cisV3ProcessEnabledOperStatus

Command Mode

- /exec

show ip igmp snooping snmp mib explicitTrackingTable

show ip igmp snooping snmp mib explicitTrackingTable [vlan <cisVlanIndex-in>] [__readonly__ TABLE_cisVlanExplicitTrackingTable <cisVlanIndex-out> <cisVlanExplicitTrackingEnabled> <cisVlanExplicitTrackingLimit>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
explicitTrackingTable	Show mib table cisVlanExplicitTrackingTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisVlanIndex-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisVlanExplicitTrackingTable	(Optional)
cisVlanIndex-out	(Optional) mib table index cisVlanIndex
cisVlanExplicitTrackingEnabled	(Optional) mib object cisVlanExplicitTrackingEnabled
cisVlanExplicitTrackingLimit	(Optional) mib object cisVlanExplicitTrackingLimit

Command Mode

- /exec

show ip igmp snooping snmp mib fallBackTime

show ip igmp snooping snmp mib fallBackTime [__readonly__ <cisFallbackTime>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
fallBackTime	Indicates the time the IGMP address aliasing mode is fallback
__readonly__	(Optional) Read Only
cisFallbackTime	(Optional) mib object cisFallbackTime

Command Mode

- /exec

show ip igmp snooping snmp mib fastBlockEnabled

show ip igmp snooping snmp mib fastBlockEnabled [__readonly__ <cisFastBlockEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
fastBlockEnabled	Indicates whether Fast-Block mechanism has been enabled for the system
__readonly__	(Optional) Read Only
cisFastBlockEnabled	(Optional) mib object cisFastBlockEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib fastleaveenabled

show ip igmp snooping snmp mib fastleaveenabled [__readonly__ <cisFastLeaveEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
fastleaveenabled	Check if fastleave is enabled
__readonly__	(Optional) Read Only
cisFastLeaveEnabled	(Optional) mib object cisFastLeaveEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib filterStatsTable

show ip igmp snooping snmp mib filterStatsTable [interface <ifIndex-in> vlan <cisFilterStatsVlanNumber-in>] [__readonly__ TABLE_cisFilterStatsTable <ifIndex-out> <cisFilterStatsVlanNumber-out> <cisFilterAccessGroupDenied> <cisFilterLimitDenied> <cisFilterTotalLimitDenied> <cisFilterMinVersionDenied>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
filterStatsTable	Display VLAN/BD Filter Group
interface	(Optional) Display interface
ifIndex-in	(Optional) Interface Index
vlan	(Optional) Display Interface access group VLAN/BD information
cisFilterStatsVlanNumber-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisFilterStatsTable	(Optional)
ifIndex-out	(Optional) mib table index ifIndex
cisFilterStatsVlanNumber-out	(Optional) mib table index cisFilterStatsVlanNumber
cisFilterAccessGroupDenied	(Optional) mib object cisFilterAccessGroupDenied
cisFilterLimitDenied	(Optional) mib object cisFilterLimitDenied
cisFilterTotalLimitDenied	(Optional) mib object cisFilterTotalLimitDenied
cisFilterMinVersionDenied	(Optional) mib object cisFilterMinVersionDenied

Command Mode

- /exec

show ip igmp snooping snmp mib ifAccessGroupTable

show ip igmp snooping snmp mib ifAccessGroupTable [interface <ifIndex-in> vlan <cisIfAccessGroupVlan-in>] [__readonly__ TABLE_cisIfAccessGroupTable <ifIndex-out> <cisIfAccessGroupVlan-out> <cisIfAccessGroupsChannelsAllowed> <cisIfAccessGroupStorageType> <cisIfAccessGroupRowStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifAccessGroupTable	Display interface access group
interface	(Optional) Display interface
ifIndex-in	(Optional) Interface Index
vlan	(Optional) Display Interface access group VLAN/BD information
cisIfAccessGroupVlan-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisIfAccessGroupTable	(Optional)
ifIndex-out	(Optional) mib table index ifIndex
cisIfAccessGroupVlan-out	(Optional) mib table index cisIfAccessGroupVlan
cisIfAccessGroupsChannelsAllowed	(Optional) mib object cisIfAccessGroupsChannelsAllowed
cisIfAccessGroupStorageType	(Optional) mib object cisIfAccessGroupStorageType
cisIfAccessGroupRowStatus	(Optional) mib object cisIfAccessGroupRowStatus

Command Mode

- /exec

show ip igmp snooping snmp mib ifConfigTable

show ip igmp snooping snmp mib ifConfigTable [interface <ifIndex-in>] [__readonly__ TABLE_cisIfConfigTable <ifIndex-out> <cisIfTopoChangeFloodEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifConfigTable	Display interface configuration
interface	(Optional) Display interface
ifIndex-in	(Optional) Interface Index
__readonly__	(Optional)
TABLE_cisIfConfigTable	(Optional)
ifIndex-out	(Optional) mib table index ifIndex
cisIfTopoChangeFloodEnabled	(Optional) mib object cisIfTopoChangeFloodEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib ifLimitTable

show ip igmp snooping snmp mib ifLimitTable [interface <ifIndex-in> vlan <cisIfLimitVlanNumber-in>] [__readonly__ TABLE_cisIfLimitTable <ifIndex-out> <cisIfLimitVlanNumber-out> <cisIfLimitMax> <cisIfLimitExcludeAccessGrp> <cisIfLimitStorageType> <cisIfLimitRowStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifLimitTable	Display interface configuration
interface	(Optional) Display interface
ifIndex-in	(Optional) Interface Index
vlan	(Optional) Display Interface Limit VLAN/BD informaition
cisIfLimitVlanNumber-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisIfLimitTable	(Optional)
ifIndex-out	(Optional) mib table index ifIndex
cisIfLimitVlanNumber-out	(Optional) mib table index cisIfLimitVlanNumber
cisIfLimitMax	(Optional) mib object cisIfLimitMax
cisIfLimitExcludeAccessGrp	(Optional) mib object cisIfLimitExcludeAccessGrp
cisIfLimitStorageType	(Optional) mib object cisIfLimitStorageType
cisIfLimitRowStatus	(Optional) mib object cisIfLimitRowStatus

Command Mode

- /exec

show ip igmp snooping snmp mib ifLimitTotalTable

show ip igmp snooping snmp mib ifLimitTotalTable [interface <ifIndex-in>] [__readonly__ TABLE_cisIfLimitTotalTable <ifIndex-out> <cisIfLimitTotalLimitMax> <cisIfLimitTotalExcludeAccessGrp> <cisIfLimitTotalStorageType> <cisIfLimitTotalRowStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
ifLimitTotalTable	Display interface configuration
interface	(Optional) Display interface
ifIndex-in	(Optional) Interface Index
__readonly__	(Optional)
TABLE_cisIfLimitTotalTable	(Optional)
ifIndex-out	(Optional) mib table index ifIndex
cisIfLimitTotalLimitMax	(Optional) mib object cisIfLimitTotalLimitMax
cisIfLimitTotalExcludeAccessGrp	(Optional) mib object cisIfLimitTotalExcludeAccessGrp
cisIfLimitTotalStorageType	(Optional) mib object cisIfLimitTotalStorageType
cisIfLimitTotalRowStatus	(Optional) mib object cisIfLimitTotalRowStatus

Command Mode

- /exec

show ip igmp snooping snmp mib igmpsnoopingenabled

show ip igmp snooping snmp mib igmpsnoopingenabled [__readonly__ <cisIgmpSnoopingEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
igmpsnoopingenabled	Check if IGMP snooping is enabled
__readonly__	(Optional) Read Only
cisIgmpSnoopingEnabled	(Optional) mib object cisIgmpSnoopingEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib iterfaceStatsTable

show ip igmp snooping snmp mib iterfaceStatsTable [interface <ifIndex-in>] [__readonly__ TABLE_cisInterfaceStatsTable <ifIndex-out> <cisTxGeneralQueries> <cisTxGroupSpecificQueries> <cisTxReports> <cisTxLeaves> <cisRxGeneralQueries> <cisRxGroupSpecificQueries> <cisRxReports> <cisRxLeaves> <cisRxValidPackets> <cisRxInvalidPackets> <cisRxOtherPackets> <cisRxMACGeneralQueries> <cisRxTopoNotifications> <cisV3Allows> <cisV3Blocks> <cisV3IsIncluded> <cisV3IsExcluded> <cisV3ToIncluded> <cisV3ToExcluded>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
iterfaceStatsTable	Display interface stats
interface	(Optional) Display interface information
ifIndex-in	(Optional) Interface Index
__readonly__	(Optional)
TABLE_cisInterfaceStatsTable	(Optional)
ifIndex-out	(Optional) mib table index ifIndex
cisTxGeneralQueries	(Optional) mib object cisTxGeneralQueries
cisTxGroupSpecificQueries	(Optional) mib object cisTxGroupSpecificQueries
cisTxReports	(Optional) mib object cisTxReports
cisTxLeaves	(Optional) mib object cisTxLeaves
cisRxGeneralQueries	(Optional) mib object cisRxGeneralQueries
cisRxGroupSpecificQueries	(Optional) mib object cisRxGroupSpecificQueries
cisRxReports	(Optional) mib object cisRxReports
cisRxLeaves	(Optional) mib object cisRxLeaves
cisRxValidPackets	(Optional) mib object cisRxValidPackets
cisRxInvalidPackets	(Optional) mib object cisRxInvalidPackets

cisRxOtherPackets	(Optional) mib object cisRxOtherPackets
cisRxMACGeneralQueries	(Optional) mib object cisRxMACGeneralQueries
cisRxTopoNotifications	(Optional) mib object cisRxTopoNotifications
cisV3Allows	(Optional) mib object cisV3Allows
cisV3Blocks	(Optional) mib object cisV3Blocks
cisV3IsIncluded	(Optional) mib object cisV3IsIncluded
cisV3IsExcluded	(Optional) mib object cisV3IsExcluded
cisV3ToIncluded	(Optional) mib object cisV3ToIncluded
cisV3ToExcluded	(Optional) mib object cisV3ToExcluded

Command Mode

- /exec

show ip igmp snooping snmp mib lastMemeberQueryCount

show ip igmp snooping snmp mib lastMemeberQueryCount [__readonly__ <cisLastMemberQueryCount>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
lastMemeberQueryCount	Specifies the Last Member Query Count value of this device
__readonly__	(Optional) Read Only
cisLastMemberQueryCount	(Optional) mib object cisLastMemberQueryCount

Command Mode

- /exec

show ip igmp snooping snmp mib lastMemeberQueryInterval

show ip igmp snooping snmp mib lastMemeberQueryInterval [__readonly__ <cisLastMemberQueryInterval>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
lastMemeberQueryInterval	Specifies the IGMP Last Member Query Interval of this device
__readonly__	(Optional) Read Only
cisLastMemberQueryInterval	(Optional) mib object cisLastMemberQueryInterval

Command Mode

- /exec

show ip igmp snooping snmp mib leaveQueryType

show ip igmp snooping snmp mib leaveQueryType [__readonly__ <cisLeaveQueryType>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
leaveQueryType	Indicates type of leave query
__readonly__	(Optional) Read Only
cisLeaveQueryType	(Optional) mib object cisLeaveQueryType

Command Mode

- /exec

show ip igmp snooping snmp mib mcastGroupTable

show ip igmp snooping snmp mib mcastGroupTable [vlan <cisMcastGroupVlanIndex-in> <cisMcastGroupAddressType-in> <cisMcastGroupAddress-in>] [__readonly__ TABLE_cisMcastGroupTable <cisMcastGroupVlanIndex-out> <cisMcastGroupAddressType-out> <cisMcastGroupAddress-out> <cisMcastGroupFilterMode> <cisMcastGroupIgmpVersion> <cisMcastGroupIncludeHostCount> <cisMcastGroupExcludeHostCount> <cisMcastGroupPortList>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
mcastGroupTable	Show mib table cisMcastGroupTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisMcastGroupVlanIndex-in	(Optional) Specify VLAN/BD
cisMcastGroupAddressType-in	(Optional) Address type
cisMcastGroupAddress-in	(Optional) Group address
__readonly__	(Optional)
TABLE_cisMcastGroupTable	(Optional)
cisMcastGroupVlanIndex-out	(Optional) mib table index cisMcastGroupVlanIndex
cisMcastGroupAddressType-out	(Optional) mib table index cisMcastGroupAddressType
cisMcastGroupAddress-out	(Optional) mib table index cisMcastGroupAddress
cisMcastGroupFilterMode	(Optional) mib object cisMcastGroupFilterMode
cisMcastGroupIgmpVersion	(Optional) mib object cisMcastGroupIgmpVersion
cisMcastGroupIncludeHostCount	(Optional) mib object cisMcastGroupIncludeHostCount
cisMcastGroupExcludeHostCount	(Optional) mib object cisMcastGroupExcludeHostCount
cisMcastGroupPortList	(Optional) mib object cisMcastGroupPortList

Command Mode

- /exec

show ip igmp snooping snmp mib mcastRouterCfgTable

show ip igmp snooping snmp mib mcastRouterCfgTable [interface <ifIndex-in> vlan <cisMcastRouterVlanIndex-in>] [__readonly__ TABLE_cisMcastRouterCfgTable <ifIndex-out> <cisMcastRouterVlanIndex-out> <cisMcastRouterType> <cisMcastRouterRowStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
mcastRouterCfgTable	show mib table cisMcastRouterCfgTable
interface	(Optional) Display Mcast Router Interface Information
ifIndex-in	(Optional) Specify the Mcast router interface
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisMcastRouterVlanIndex-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisMcastRouterCfgTable	(Optional)
ifIndex-out	(Optional) mib table index ifIndex
cisMcastRouterVlanIndex-out	(Optional) mib table index cisMcastRouterVlanIndex
cisMcastRouterType	(Optional) mib object cisMcastRouterType
cisMcastRouterRowStatus	(Optional) mib object cisMcastRouterRowStatus

Command Mode

- /exec

show ip igmp snooping snmp mib mcastRouterConfigTable

show ip igmp snooping snmp mib mcastRouterConfigTable [vlan <cisMcastRouterConfigVlanIndex-in> interface <ifIndex-in>] [__readonly__ TABLE_cisMcastRouterConfigTable <ifIndex-out> <cisMcastRouterConfigVlanIndex-out> <cisMcastRouterConfigRouterType> <cisMcastRouterConfigStorageType> <cisMcastRouterConfigRowStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
mcastRouterConfigTable	show mib table cisMcastRouterConfigTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisMcastRouterConfigVlanIndex-in	(Optional) Specify VLAN/BD
interface	(Optional) Display Mcast Router Interface Information
ifIndex-in	(Optional) Specify the Mcast router interface index
__readonly__	(Optional)
TABLE_cisMcastRouterConfigTable	(Optional)
cisMcastRouterConfigVlanIndex-out	(Optional) mib table index cisMcastRouterConfigVlanIndex
ifIndex-out	(Optional) mib table index ifIndex
cisMcastRouterConfigRouterType	(Optional) mib object cisMcastRouterConfigRouterType
cisMcastRouterConfigStorageType	(Optional) mib object cisMcastRouterConfigStorageType
cisMcastRouterConfigRowStatus	(Optional) mib object cisMcastRouterConfigRowStatus

Command Mode

- /exec

show ip igmp snooping snmp mib multicastGroupConfigTable

show ip igmp snooping snmp mib multicastGroupConfigTable [vlan <cisMulticastGroupConfVlanIndex-in> <cisMulticastGroupConfCeVlanIndex-in> <cisMulticastGroupConfAddressType-in> <cisMulticastGroupConfAddress-in> <cisMulticastGroupConfSourceAddress-in> <cisMulticastGroupConfPortRange-in>] [__readonly__ TABLE_cisMulticastGroupConfigTable <cisMulticastGroupConfVlanIndex-out> <cisMulticastGroupConfCeVlanIndex-out> <cisMulticastGroupConfAddressType-out> <cisMulticastGroupConfAddress-out> <cisMulticastGroupConfSourceAddress-out> <cisMulticastGroupConfPortRange-out> <cisMulticastGroupConfPortList> <cisMulticastGroupConfStorageType> <cisMulticastGroupConfRowStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
multicastGroupConfigTable	show mib table cisMulticastGroupConfigTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisMulticastGroupConfVlanIndex-in	(Optional) Specify VLAN/BD
cisMulticastGroupConfCeVlanIndex-in	(Optional) Specify consumer edge VLAN/BD
cisMulticastGroupConfAddressType-in	(Optional) Group Address Type
cisMulticastGroupConfAddress-in	(Optional) Group address
cisMulticastGroupConfSourceAddress-in	(Optional) source address
cisMulticastGroupConfPortRange-in	(Optional) port Range
__readonly__	(Optional)
TABLE_cisMulticastGroupConfigTable	(Optional)
cisMulticastGroupConfVlanIndex-out	(Optional) mib table index cisMulticastGroupConfVlanIndex
cisMulticastGroupConfCeVlanIndex-out	(Optional) mib table index cisMulticastGroupConfCeVlanIndex
cisMulticastGroupConfAddressType-out	(Optional) mib table index cisMulticastGroupConfAddressType
cisMulticastGroupConfAddress-out	(Optional) mib table index cisMulticastGroupConfAddress
cisMulticastGroupConfSourceAddress-out	(Optional) mib table index cisMulticastGroupConfSourceAddress

cisMulticastGroupConfPortRange-out	(Optional) mib table index cisMulticastGroupConfPortRange
cisMulticastGroupConfPortList	(Optional) mib object cisMulticastGroupConfPortList
cisMulticastGroupConfStorageType	(Optional) mib object cisMulticastGroupConfStorageType
cisMulticastGroupConfRowStatus	(Optional) mib object index cisMulticastGroupConfRowStatus

Command Mode

- /exec

show ip igmp snooping snmp mib multicastGroupPortListTable

show ip igmp snooping snmp mib multicastGroupPortListTable [vlan <cisMulticastGroupVlanIndex-in> <cisMulticastGroupCeVlanIndex-in> <cisMulticastGroupAddressType-in> <cisMulticastGroupAddress-in> <cisMulticastGroupSourceAddress-in> <cisMulticastGroupPortRangeIndex-in>] [__readonly__ TABLE_cisMulticastGroupPortListTable <cisMulticastGroupVlanIndex-out> <cisMulticastGroupCeVlanIndex-out> <cisMulticastGroupAddressType-out> <cisMulticastGroupAddress-out> <cisMulticastGroupSourceAddress-out> <cisMulticastGroupPortRangeIndex-out> <cisMulticastGroupPortList>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
multicastGroupPortListTable	show mib table multicastGroupPortListTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisMulticastGroupVlanIndex-in	(Optional) Specify VLAN/BD
cisMulticastGroupCeVlanIndex-in	(Optional) Specify consumer edge VLAN/BD
cisMulticastGroupAddressType-in	(Optional) Group Address Type
cisMulticastGroupAddress-in	(Optional) Group address
cisMulticastGroupSourceAddress-in	(Optional) source address
cisMulticastGroupPortRangeIndex-in	(Optional) port Range Index
__readonly__	(Optional)
TABLE_cisMulticastGroupPortListTable	(Optional)
cisMulticastGroupVlanIndex-out	(Optional) mib table index cisMulticastGroupVlanIndex
cisMulticastGroupCeVlanIndex-out	(Optional) mib table index cisMulticastGroupCeVlanIndex
cisMulticastGroupAddressType-out	(Optional) mib table index cisMulticastGroupAddressType
cisMulticastGroupAddress-out	(Optional) mib table index cisMulticastGroupAddress
cisMulticastGroupSourceAddress-out	(Optional) mib table index cisMulticastGroupSourceAddress
cisMulticastGroupPortRangeIndex-out	(Optional) mib table index cisMulticastGroupPortRangeIndex

cisMulticastGroupPortList	(Optional) mib object cisMulticastGroupPortList

Command Mode

- /exec

show ip igmp snooping snmp mib multicastGroupTable

show ip igmp snooping snmp mib multicastGroupTable [vlan <cisMulticastGroupVlanIndex-in> <cisMulticastGroupCeVlanIndex-in> <cisMulticastGroupAddressType-in> <cisMulticastGroupAddress-in> <cisMulticastGroupSourceAddress-in>] [__readonly__ TABLE_cisMulticastGroupTable <cisMulticastGroupVlanIndex-out> <cisMulticastGroupCeVlanIndex-out> <cisMulticastGroupAddressType-out> <cisMulticastGroupAddress-out> <cisMulticastGroupSourceAddress-out> <cisMulticastGroupGroupType> <cisMulticastGroupIgmpVersion> <cisMulticastGroupSourceUpTime> <cisMulticastGroupSourceExpires> <cisMulticastGroupInclHostCount> <cisMulticastGroupExclHostCount>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
multicastGroupTable	show mib table multicastGroupTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisMulticastGroupVlanIndex-in	(Optional) Specify VLAN/BD
cisMulticastGroupCeVlanIndex-in	(Optional) Specify consumer edge VLAN/BD
cisMulticastGroupAddressType-in	(Optional) Group Address Type
cisMulticastGroupAddress-in	(Optional) Group address
cisMulticastGroupSourceAddress-in	(Optional) Source address
__readonly__	(Optional)
TABLE_cisMulticastGroupTable	(Optional)
cisMulticastGroupVlanIndex-out	(Optional) mib table index cisMulticastGroupVlanIndex
cisMulticastGroupCeVlanIndex-out	(Optional) mib table index cisMulticastGroupCeVlanIndex
cisMulticastGroupAddressType-out	(Optional) mib table index cisMulticastGroupAddressType
cisMulticastGroupAddress-out	(Optional) mib table index cisMulticastGroupAddress
cisMulticastGroupSourceAddress-out	(Optional) mib table index cisMulticastGroupSourceAddress
cisMulticastGroupGroupType	(Optional) mib object cisMulticastGroupGroupType

cisMulticastGroupIgmpVersion	(Optional) mib object cisMulticastGroupIgmpVersion
cisMulticastGroupSourceUpTime	(Optional) mib object cisMulticastGroupSourceUpTime
cisMulticastGroupSourceExpires	(Optional) mib object cisMulticastGroupSourceExpires
cisMulticastGroupInclHostCount	(Optional) mib object cisMulticastGroupInclHostCount
cisMulticastGroupExclHostCount	(Optional) mib object cisMulticastGroupExclHostCount

Command Mode

- /exec

show ip igmp snooping snmp mib operMode

show ip igmp snooping snmp mib operMode [__readonly__ <cisOperMode>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
operMode	Indicates the operational snooping mode of the device
__readonly__	(Optional) Read Only
cisOperMode	(Optional) mib object cisOperMode

Command Mode

- /exec

show ip igmp snooping snmp mib querierTable

show ip igmp snooping snmp mib querierTable [vlan <cisIgmpQuerierVlanIndex-in>] [__readonly__ TABLE_cisIgmpQuerierTable <cisIgmpQuerierVlanIndex-out> <cisIgmpQuerierEnabled> <cisIgmpQuerierState> <cisIgmpQuerierVersion> <cisIgmpQuerierAddressType> <cisIgmpQuerierAddress> <cisIgmpQuerierInterface> <cisIgmpQuerierTcnQueryCount> <cisIgmpQuerierTcnQueryInterval> <cisIgmpQuerierTimerExpiry> <cisIgmpQuerierMaxResponseTime> <cisIgmpQuerierQueryInterval> <cisIgmpQuerierAdminAddressType> <cisIgmpQuerierAdminAddress> <cisIgmpQuerierAdminVersion> <cisIgmpQuerierTcnQueryPending>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
querierTable	Show mib table cisIgmpQuerierTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisIgmpQuerierVlanIndex-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisIgmpQuerierTable	(Optional)
cisIgmpQuerierVlanIndex-out	(Optional) mib table index cisIgmpQuerierVlanIndex
cisIgmpQuerierEnabled	(Optional) mib object cisIgmpQuerierEnabled
cisIgmpQuerierState	(Optional) mib object cisIgmpQuerierState
cisIgmpQuerierVersion	(Optional) mib object cisIgmpQuerierVersion
cisIgmpQuerierAddressType	(Optional) mib object cisIgmpQuerierAddressType
cisIgmpQuerierAddress	(Optional) mib object cisIgmpQuerierAddress
cisIgmpQuerierInterface	(Optional) mib object cisIgmpQuerierInterface
cisIgmpQuerierTcnQueryCount	(Optional) mib object cisIgmpQuerierTcnQueryCount
cisIgmpQuerierTcnQueryInterval	(Optional) mib object cisIgmpQuerierTcnQueryInterval
cisIgmpQuerierTimerExpiry	(Optional) mib object cisIgmpQuerierTimerExpiry
cisIgmpQuerierMaxResponseTime	(Optional) mib object cisIgmpQuerierMaxResponseTime

cisIgmpQuerierQueryInterval	(Optional) mib object cisIgmpQuerierQueryInterval
cisIgmpQuerierAdminAddressType	(Optional) mib object cisIgmpQuerierAdminAddressType
cisIgmpQuerierAdminAddress	(Optional) mib object cisIgmpQuerierAdminAddress
cisIgmpQuerierAdminVersion	(Optional) mib object cisIgmpQuerierAdminVersion
cisIgmpQuerierTcnQueryPending	(Optional) mib object cisIgmpQuerierTcnQueryPending

Command Mode

- /exec

show ip igmp snooping snmp mib reportsuppressionenabled

show ip igmp snooping snmp mib reportsuppressionenabled [__readonly__ <cisReportSuppressionEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
reportsuppressionenabled	Check if reportsuppression is enabled
__readonly__	(Optional) Read Only
cisReportSuppressionEnabled	(Optional) mib object cisReportSuppressionEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib robustnessVariable

show ip igmp snooping snmp mib robustnessVariable [__readonly__ <cisRobustnessVariable>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
robustnessVariable	Specifies the Robustness Variable of this device
__readonly__	(Optional) Read Only
cisRobustnessVariable	(Optional) mib object cisRobustnessVariable

Command Mode

- /exec

show ip igmp snooping snmp mib routerAlertCheckEnabled

show ip igmp snooping snmp mib routerAlertCheckEnabled [__readonly__ <cisLastMemberQueryCount>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
routerAlertCheckEnabled	Specifies whether checking of Router-Alert option is enabled for IGMP traffic in the system
__readonly__	(Optional) Read Only
cisLastMemberQueryCount	(Optional) mib object cisLastMemberQueryCount

Command Mode

- /exec

show ip igmp snooping snmp mib sourceOnlyEntryAgingTime

show ip igmp snooping snmp mib sourceOnlyEntryAgingTime [__readonly__ <cisSourceOnlyEntryAgingTime>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
sourceOnlyEntryAgingTime	Specifies the aging time in seconds for Source Only multicast entries
__readonly__	(Optional) Read Only
cisSourceOnlyEntryAgingTime	(Optional) mib object cisSourceOnlyEntryAgingTime

Command Mode

- /exec

show ip igmp snooping snmp mib sourceOnlyLearningEnabled

show ip igmp snooping snmp mib sourceOnlyLearningEnabled [__readonly__ <cisSourceOnlyLearningEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
sourceOnlyLearningEnabled	Specifies whether Source Only multicast entries are learned by IGMP Snooping or not
__readonly__	(Optional) Read Only
cisSourceOnlyLearningEnabled	(Optional) mib object cisSourceOnlyLearningEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib tcnFloodQueryCount

show ip igmp snooping snmp mib tcnFloodQueryCount [__readonly__ <cisTopoChangeFloodQueryCount>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
tcnFloodQueryCount	Specifies the flooding period for multicast traffic upon receiving Topology Change Notifications
__readonly__	(Optional) Read Only
cisTopoChangeFloodQueryCount	(Optional) mib object cisTopoChangeFloodQueryCount

Command Mode

- /exec

show ip igmp snooping snmp mib timeToLiveCheckEnabled

show ip igmp snooping snmp mib timeToLiveCheckEnabled [__readonly__ <cisTimeToLiveCheckEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
timeToLiveCheckEnabled	Specifies whether Time-To-Live (TTL) check is enabled when processing IGMP packets in the system
__readonly__	(Optional) Read Only
cisTimeToLiveCheckEnabled	(Optional) mib object cisTimeToLiveCheckEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib topoChanageQuerySolicitEnabled

show ip igmp snooping snmp mib topoChanageQuerySolicitEnabled [__readonly__ <cisTopoChangeQuerySolicitEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
topoChanageQuerySolicitEnabled	Specifies whether the device running IGMP Snooping will solicit IGMP General Queries from the Querier upon receiving a TCN
__readonly__	(Optional) Read Only
cisTopoChangeQuerySolicitEnabled	(Optional) mib object cisTopoChangeQuerySolicitEnabled

Command Mode

- /exec

show ip igmp snooping snmp mib v3ProcessEnabledAdminStatus

show ip igmp snooping snmp mib v3ProcessEnabledAdminStatus [__readonly__ <cisV3ProcessEnabledAdminStatus>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
v3ProcessEnabledAdminStatus	Indicates the administrative status of IGMP v3 processing in the system
__readonly__	(Optional) Read Only
cisV3ProcessEnabledAdminStatus	(Optional) mib object cisV3ProcessEnabledAdminStatus

Command Mode

- /exec

show ip igmp snooping snmp mib v3SnoopingSupport

show ip igmp snooping snmp mib v3SnoopingSupport [__readonly__ <cisV3SnoopingSupport>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
v3SnoopingSupport	Indicates IGMP Snooping support for IGMPv3
__readonly__	(Optional) Read Only
cisV3SnoopingSupport	(Optional) mib object cisV3SnoopingSupport

Command Mode

- /exec

show ip igmp snooping snmp mib vlanFilterConfigTable

show ip igmp snooping snmp mib vlanFilterConfigTable [vlan <cisVlanIndex-in>] [__readonly__ TABLE_cisVlanFilterConfigTable <cisVlanIndex-out> <cisVlanFilterAccessGroup> <cisVlanFilterLimitMax> <cisVlanFilterLimitExclAccessGrp> <cisVlanFilterMinVersionAllowed>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
vlanFilterConfigTable	Display VLAN/BD Filter Group
vlan	(Optional) Display Interface access group VLAN/BD information
cisVlanIndex-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisVlanFilterConfigTable	(Optional)
cisVlanIndex-out	(Optional) mib talbe index cisVlanIndex>
cisVlanFilterAccessGroup	(Optional) mib table index cisVlanFilterAccessGroup
cisVlanFilterLimitMax	(Optional) mib object cisVlanFilterLimitMax
cisVlanFilterLimitExclAccessGrp	(Optional) mib object cisVlanFilterLimitExclAccessGrp
cisVlanFilterMinVersionAllowed	(Optional) mib object cisVlanFilterMinVersionAllowed

Command Mode

- /exec

show ip igmp snooping snmp mib vlanconfigtable

show ip igmp snooping snmp mib vlanconfigtable [vlan <cisVlanIndex-in>] [__readonly__ TABLE_cisVlanConfigTable <cisVlanIndex-out> <cisVlanIgmpSnoopingEnabled> <cisVlanFastLeaveEnabled> <cisVlanIgmpSnoopingOperMode> <cisVlanIgmpSnoopingLearningMode> <cisVlanReportSuppressionEnabled> <cisVlanLeaveQueryInterval> <cisVlanLastMemberQueryCount> <cisVlanRobustnessVariable> <cisVlanTimeToLiveCheckEnabled> <cisVlanRouterAlertCheckEnabled>]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
snmp	Show SNMP
mib	Show MIB table
vlanconfigtable	Show mib table cisVlanConfigTable
vlan	(Optional) Display VLAN/BD IGMP snooping membership information
cisVlanIndex-in	(Optional) Specify VLAN/BD
__readonly__	(Optional)
TABLE_cisVlanConfigTable	(Optional)
cisVlanIndex-out	(Optional) mib table index cisVlanIndex
cisVlanIgmpSnoopingEnabled	(Optional) mib object cisVlanIgmpSnoopingEnabled
cisVlanFastLeaveEnabled	(Optional) mib object cisVlanFastLeaveEnabled
cisVlanIgmpSnoopingOperMode	(Optional) mib object cisVlanIgmpSnoopingOperMode
cisVlanIgmpSnoopingLearningMode	(Optional) mib object cisVlanIgmpSnoopingLearningMode
cisVlanReportSuppressionEnabled	(Optional) mib object cisVlanReportSuppressionEnabled
cisVlanLeaveQueryInterval	(Optional) mib object cisVlanLeaveQueryInterval
cisVlanLastMemberQueryCount	(Optional) mib object cisVlanLastMemberQueryCount
cisVlanRobustnessVariable	(Optional) mib object cisVlanRobustnessVariable
cisVlanTimeToLiveCheckEnabled	(Optional) mib object cisVlanTimeToLiveCheckEnabled
cisVlanRouterAlertCheckEnabled	(Optional) mib object cisVlanRouterAlertCheckEnabled

Command Mode

- /exec

show ip igmp snooping statistics

show ip igmp snooping statistics [global | vlan <vlan> | bridge-domain <bdid>] [__readonly__ [<pr>] [<inv_pkt>] [<pnv>] [<loopbkpkt>] [<mrdloopbk>] [<pf>] [<vpcdrqs>] [<vpcdrqr>] [<vpcdrqf>] [<vpcdrus>] [<vpcdrur>] [<vpcdruf>] [<vpccfssf>] [<vpccfsrs>] [<vpccfsrr>] [<vpccfsrf>] [<vpccfsrfp>] [<vpccfsurls>] [<vpccfsurlr>] [<vpccfsurlf>] [<vpccfsrls>] [<vpccfsrlr>] [<vpccfsrlf>] [<inv_iod>] [<stptcnr>] [<imapif>] [<mfreqr>] [<mfcmps>] [<mfdgcmps>] [<bufsnt>] [<bufackr>] [<vpcmismatch>] [{ TABLE_vlan [<vlan-id>] [<ut>] [<vpr>] [<v1rr>] [<v2rr>] [<v3rr>] [<v1qr>] [<v2qr>] [<v3qr>] [<v2lr>] [<phr>] [<irr>] [<iqr>] [<v1rs>] [<v2rs>] [<v2ls>] [<v3gs>] [<vmr>] [<upr>] [<qo>] [<v2ro>] [<v2lo>] [<v3ro>] [<vpsr>] [<str>] [<mps>] [<mpr>] [<mpe>] [<cps>] [<cpr>] [<cpe>] [<repflooded>] [<repfwded>] }]]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
statistics	Display packet/error counter statistics
global	(Optional) Display global statistics
vlan	(Optional) Display VLAN statistics
vlan	(Optional) Specify VLAN
bridge-domain	(Optional) Display BD statistics
bdid	(Optional) Specify BD
__readonly__	(Optional)
pr	(Optional)
inv_pkt	(Optional)
pnv	(Optional)
loopbkpkt	(Optional)
mrdloopbk	(Optional)
pf	(Optional)
vpcdrqs	(Optional)
vpcdrqr	(Optional)
vpcdrqf	(Optional)
vpcdrus	(Optional)

vpcdrur	(Optional)
vpcdruf	(Optional)
vpccfssf	(Optional)
vpccfsrs	(Optional)
vpccfsrr	(Optional)
vpccfsrf	(Optional)
vpccfsrfp	(Optional)
vpccfsurls	(Optional)
vpccfsurlr	(Optional)
vpccfsurlf	(Optional)
vpccfsrls	(Optional)
vpccfsrlr	(Optional)
vpccfsrlf	(Optional)
inv_iod	(Optional)
stptcnr	(Optional)
imapif	(Optional)
mfreqr	(Optional)
mfcmps	(Optional)
mfdgcmps	(Optional)
bufsnt	(Optional)
bufackr	(Optional)
vpcmismatch	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
ut	(Optional)
vpr	(Optional)
v1rr	(Optional)
v2rr	(Optional)
v3rr	(Optional)

v1qr	(Optional)
v2qr	(Optional)
v3qr	(Optional)
v2lr	(Optional)
phr	(Optional)
irr	(Optional)
iqr	(Optional)
v1rs	(Optional)
v2rs	(Optional)
v2ls	(Optional)
v3gs	(Optional)
vmr	(Optional)
upr	(Optional)
qo	(Optional)
v2ro	(Optional)
v2lo	(Optional)
v3ro	(Optional)
vpsr	(Optional)
str	(Optional)
cps	(Optional)
cpr	(Optional)
cpe	(Optional)
mps	(Optional)
mpr	(Optional)
mpe	(Optional)
repflooded	(Optional)
repfwded	(Optional)

Command Mode

- /exec

show ip igmp vrf all

show ip igmp vrf all [__readonly__ { TABLE_vrfname <vrf-name> <vrf-id> <instance> <work-in-txlist> } { TABLE_vrfid <vrf-name-i> <vrf-id-i> <instance-i> <work-in-txlist-i> }]

Syntax Description

show	Show running system information
ip	Display IP information
igmp	Display IGMP status and configuration
vrf	Display per-VRF information
all	Display information for all VRFs
__readonly__	(Optional)
TABLE_vrfname	(Optional)
vrf-name	(Optional)
vrf-id	(Optional)
instance	(Optional)
work-in-txlist	(Optional)
TABLE_vrfid	(Optional)
vrf-name-i	(Optional)
vrf-id-i	(Optional)
instance-i	(Optional)
work-in-txlist-i	(Optional)

Command Mode

- /exec

show ip interface

show ip interface { { { brief [include-secondary] } | [<interface>] | [<ip-addr>] } [operational] [vaddr] [vrf { <vrf-name> | <vrf-known-name> | all }] } [__readonly__ [TABLE_intf [<vrf-name-out>] [<intf-name>] [<proto-state>] [<link-state>] [<admin-state>] [<iod>] [<first_unnum_iod>] [TABLE_unnuminf <unnum-child-inf>] [<prefix>] [<subnet>] [<masklen>] [TABLE_secondary_address <prefix1> <subnet1> <masklen1>] [<num-addr>] [<vaddr-client>] [<vaddr-prefix>] [<vaddr-subnet>] [<vaddr-masklen>] [<num-vaddr>] [<unnum-intf>] [<ip-disabled>] [<bcast-addr>] [<maddr>] + [<num-maddr>] [<mtu>] [<pref>] [<tag>] [<proxy-arp>] [<lcl-proxy-arp>] [<mrouting>] [<icmp-redirect>] [<dir-bcast>] [<ip-forwarding>] [<ip-unreach>] [<port-unreach>] [<urpf-mode>] [<ip-ls-type>] [<urpf-acl>] [<pbr-in>] [<pbr-out>] [<acl-in>] [<acl-out>] [<stats-last-reset>] [<upkt-sent>] [<upkt-recv>] [<upkt-fwd>] [<upkt-orig>] [<upkt-consumed>] [<ubyte-sent>] [<ubyte-recv>] [<ubyte-fwd>] [<ubyte-orig>] [<ubyte-consumed>] [<mpkt-sent>] [<mpkt-recv>] [<mpkt-fwd>] [<mpkt-orig>] [<mpkt-consumed>] [<mbyte-sent>] [<mbyte-recv>] [<mbyte-fwd>] [<mbyte-orig>] [<mbyte-consumed>] [<bpkt-sent>] [<bpkt-recv>] [<bpkt-fwd>] [<bpkt-orig>] [<bpkt-consumed>] [<bbyte-sent>] [<bbyte-recv>] [<bbyte-fwd>] [<bbyte-orig>] [<bbyte-consumed>] [<lpkt-sent>] [<lpkt-recv>] [<lpkt-fwd>] [<lpkt-orig>] [<lpkt-consumed>] [<lbyte-sent>] [<lbyte-recv>] [<lbyte-fwd>] [<lbyte-orig>] [<lbyte-consumed>] [<wccp-outbound>] [<wccp-inbound>] [<wccp-exclude>]]]

Syntax Description

show	Show running system information
ip	Display IP information
interface	Display IP related interface information
brief	Display summary of IP interface status and configuration
include-secondary	(Optional) Display summary of all IP addresses
operational	(Optional) Display only interfaces that are administratively enabled
interface	(Optional) Interface name to display
ip-addr	(Optional) Display interface for local IP address
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs
vaddr	(Optional) Display virtual IP addresses as well
__readonly__	(Optional)
vrf-name-out	(Optional)
TABLE_intf	(Optional)

intf-name	(Optional)
iod	(Optional)
first_unnum_iod	(Optional)
prefix	(Optional)
proto-state	(Optional)
link-state	(Optional)
admin-state	(Optional)
subnet	(Optional)
masklen	(Optional)
TABLE_unnuminf	(Optional)
unnum-child-inf	(Optional)
TABLE_secondary_address	(Optional)
prefix1	(Optional)
subnet1	(Optional)
masklen1	(Optional)
num-addr	(Optional)
vaddr-client	(Optional)
vaddr-prefix	(Optional)
vaddr-subnet	(Optional)
vaddr-masklen	(Optional)
num-vaddr	(Optional)
unnum-intf	(Optional)
ip-disabled	(Optional)
bcast-addr	(Optional)
maddr	(Optional)
num-maddr	(Optional)
mtu	(Optional)
pref	(Optional)
tag	(Optional)

proxy-arp	(Optional)
lcl-proxy-arp	(Optional)
mrouting	(Optional)
icmp-redirect	(Optional)
dir-bcast	(Optional)
ip-forwarding	(Optional)
ip-unreach	(Optional)
port-unreach	(Optional)
urpf-mode	(Optional)
ip-ls-type	(Optional)
urpf-acl	(Optional)
pbr-in	(Optional)
pbr-out	(Optional)
acl-in	(Optional)
acl-out	(Optional)
stats-last-reset	(Optional)
upkt-sent	(Optional)
upkt-recv	(Optional)
upkt-fwd	(Optional)
upkt-orig	(Optional)
upkt-consumed	(Optional)
ubyte-sent	(Optional)
ubyte-recv	(Optional)
ubyte-fwd	(Optional)
ubyte-orig	(Optional)
ubyte-consumed	(Optional)
mpkt-sent	(Optional)
mpkt-recv	(Optional)
mpkt-fwd	(Optional)

mpkt-orig	(Optional)
mpkt-consumed	(Optional)
mbyte-sent	(Optional)
mbyte-recv	(Optional)
mbyte-fwd	(Optional)
mbyte-orig	(Optional)
mbyte-consumed	(Optional)
bpkt-sent	(Optional)
bpkt-recv	(Optional)
bpkt-fwd	(Optional)
bpkt-orig	(Optional)
bpkt-consumed	(Optional)
bbyte-sent	(Optional)
bbyte-recv	(Optional)
bbyte-fwd	(Optional)
bbyte-orig	(Optional)
bbyte-consumed	(Optional)
lpkt-sent	(Optional)
lpkt-recv	(Optional)
lpkt-fwd	(Optional)
lpkt-orig	(Optional)
lpkt-consumed	(Optional)
lbyte-sent	(Optional)
lbyte-recv	(Optional)
lbyte-fwd	(Optional)
lbyte-orig	(Optional)
lbyte-consumed	(Optional)
wccp-outbound	(Optional)
wccp-inbound	(Optional)

wccp-exclude	(Optional)

Command Mode

- /exec

show ip load-sharing

show ip load-sharing [__readonly__ { <univer-id-ran-seed> [<l3-msg-load>] [<l34-msg-load>] [<dest-addr-load>] [<src-dst-ip-gre>] [<bad-load>] [<gre-outer-hash>] [<concatenation>] [<rotate>] [<src-dst-ip-gtpu>] }]

Syntax Description

show	Show running system information
ip	Configure IP features
load-sharing	Display global loadbalance info
__readonly__	(Optional)
univer-id-ran-seed	(Optional)
l3-msg-load	(Optional)
l34-msg-load	(Optional)
dest-addr-load	(Optional)
src-dst-ip-gre	(Optional)
bad-load	(Optional)
gre-outer-hash	(Optional)
concatenation	(Optional)
rotate	(Optional)
src-dst-ip-gtpu	(Optional)

Command Mode

- /exec

show ip local-pt

show ip local-pt [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
local-pt	Display local ip address ptree
vrf	(Optional) Clear information for particular VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show ip local policy

show ip local policy [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_pbr [<interface>] [<rmap>] [<status>] [<vrf_name>] }]

Syntax Description

show	Show running system information
ip	Display IP information
local	IP local options
policy	Policy routing
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_pbr	(Optional)
interface	(Optional)
rmap	(Optional)
status	(Optional)
vrf_name	(Optional)

Command Mode

- /exec

show ip logging

show ip logging [hash] [__readonly__]

Syntax Description

show	Show running system information
ip	Display IP information
logging	Display IP policy logging table
hash	(Optional) logging hash data
__readonly__	(Optional)

Command Mode

- /exec

show ip mbgp

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast | mdt } | all }] } } [<ip-addr> [<ip-mask> [longer-prefixes]] | <ip-prefix> [longer-prefixes]] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ip-addr	(Optional) Display one particular network from the BRIB in detail
ip-mask	(Optional) Mask for one particular prefix in the BRIB
ip-prefix	(Optional) Display one particular prefix from the BRIB in detail
longer-prefixes	(Optional) Display route and more specific routes
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
mdt	(Optional) Display BGP information for multicast distribution tree
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } { route-map { <rmap-name> | <rmap-name> } | filter-list { <fltrlist-name> | <test_pol_name> } | { community-list { <commlist-name> | <test_pol_name> } | extcommunity-list { <extcommlist-name> | <test_pol_name> } } [exact-match] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
route-map	Display routes matching the route-map
rmap-name	Route-map name
rmap-name	Known route-map name
filter-list	Display routes matching the filter-list
fltrlist-name	Name of filter-list
community-list	Display routes matching the community-list
extcommunity-list	Display routes matching the extcommunity-list
commlist-name	Name of community-list
extcommlist-name	Name of extcommunity-list
test_pol_name	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp community

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } community { <regexp-str> | { { <comm-id> | <wellknown-id> } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
community	Display routes matching the BGP communities
regexp-str	Regular expression to match the communities
comm-id	BGP community value
wellknown-id	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ip mbgp dampening

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } dampening { dampened-paths [regexp <regexp-str>] | flap-statistics | parameters | history-paths [regexp <regexp-str>] } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampening	Display dampening info
dampened-paths	Display all dampened paths
flap-statistics	Display flap statistics for routes
parameters	Display dampening parameters
history-paths	Display all history paths
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
regexp	(Optional) Display routes matching the AS path regular expression
regexp-str	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ip mbgp extcommunity

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } extcommunity { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display BGP information for all address families
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
regexp-str	Regular expression to match the extcommunities
ext-comm-gen-trans	Extcommunity number aa4:nn format
ext-comm-gen-nontrans	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ip mbgp flap-statistics

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } flap-statistics [<ip-prefix> | <ip-addr> [<ip-mask>]] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ip-prefix	(Optional) Display flap statistics for one prefix
ip-addr	(Optional) Display flap statistics for one network
ip-mask	(Optional) Network mask
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp neighbors

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } neighbors { [{ <neighbor-id> | <ipv6-neighbor-id> } [routes [advertised | received | dampened] | advertised-routes | received-routes | paths | flap-statistics]] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbors	Display all configured BGP neighbors
neighbor-id	(Optional) Display one particular BGP neighbor
neighbor-prefix-id	Display details for a prefix peering
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ip mbgp nexthop-database

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } nexthop-database [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families

Command Mode

- /exec

show ip mbgp nexthop

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [ipv4 { unicast | multicast }] } nexthop <ipnexthop> [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
nexthop	Display routes matching the nexthop
ipnexthop	Nexthop address
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp prefix-list

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [ipv4 { unicast | multicast }] } } prefix-list { <prfxlist-name> | <test_pol_name> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
prefix-list	Display routes matching the prefix-list
prfxlist-name	Name of prefix-list
test_pol_name	An existing test-list policy
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family

Command Mode

- /exec

show ip mbgp received-paths

show ip { mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | { bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [{ ipv4 { unicast | multicast } | all }] } } received-paths [private] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	(Optional) Display BGP information for all address families
private	(Optional) private

Command Mode

- /exec

show ip mroute

show ip mroute [[[bitfield] [detail]] | sr | rp | [summary [count | software-forwarded | rpf-failed]] | { [[<source> <group>] | [<group> [<source>]]] [shared-tree | source-tree | mofrr] [[flags] | [detail] | [bitfield] | [summary [software-forwarded | rpf-failed]]] }] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name> [<expry_timer>] [<route_count>] [<star_g_cnt>] [<sg_cnt>] [<star_g_prfx_cnt>] [TABLE_route_summary [<total-num-routes>] [<star-g-route>] [<sg-route>] [<star-g-prfx>] [<group-count>] [<avg>] [<rem>] [<stats-pndg>]] [TABLE_summary_source [<group_addr>] [<group_mask_len>] [<source_count>] [TABLE_one_sg [<source_addr>] [<packets>] [<bytes>] [<aps>] [<pps>] [<rate_buf>] [<oifs>] [<software_fwd>] [<rpf-failed-pkts>] [<rpf-failed-bytes>]]] [TABLE_one_route <mcast-addrs> [<source_addrs> <group_addrs>] [<pending>] [<bidir>] [<uptime>] [<mofrr>] [TABLE_mpib [<mpib-name>] [<oif-count>] [<stale-route>]] [<mdt-encap-index>] [<stats-pkts>] [<stats-bytes>] [<stats-rate-buf>] [<lisp-src-rloc>] [<translated-route-src>] [<translated-route-grp>] [<route-iif>] [<rpf-nbr>] [<mofrr-iif>] [<mofrr-nbr>] [<internal>] [<oif-count>] [<fabric-oif>] [<fabric-loser>] [<num-vpc-svi-oifs>] [TABLE_oif [<oif-name>] [<oif-uptime>] [TABLE_oif_mpib [<oif-mpib-name>] [<stale-oif>] [<omd-vpc-svi>]] [<rpf>]] [<route-mdt-iod>] [<oif-list-bitfield>]]]

Syntax Description

show	Show running system information
ip	Display IP information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
mroute	Display IP multicast routing table
summary	(Optional) Display route counts and packet rates
shared-tree	(Optional) Display route for *,G entries
source-tree	(Optional) Display route for S,G entries
software-forwarded	(Optional) Display software switched route counts only
rpf-failed	(Optional) Display RPF failure statistics
rp	(Optional) Display RP routes (RP, 0.0.0.0/32)
sr	(Optional) Display Service Reflect Routes only
mofrr	(Optional) Display mofrr routes
group	(Optional) Display multicast group/source address for route
source	(Optional) Display multicast group/source address for route

count	(Optional) Display route counts only
bitfield	(Optional) Display bitfield details
detail	(Optional) Display detailed route attributes
flags	(Optional) Display detailed route attributes
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
expry_timer	(Optional)
route_count	(Optional)
star_g_cnt	(Optional)
sg_cnt	(Optional)
star_g_prfx_cnt	(Optional)
TABLE_summary_source	(Optional)
group_addr	(Optional)
group_mask_len	(Optional)
source_count	(Optional)
TABLE_one_sg	(Optional)
source_addr	(Optional)
packets	(Optional)
bytes	(Optional)
aps	(Optional)
pps	(Optional)
rate_buf	(Optional)
oifs	(Optional)
software_fwd	(Optional)
rpf-failed-pkts	(Optional)
rpf-failed-bytes	(Optional)
TABLE_one_route	(Optional)
mcast-addrs	(Optional)

source_addrs	(Optional)
group_addrs	(Optional)
bidir	(Optional)
pending	(Optional)
mofrr	(Optional)
uptime	(Optional)
TABLE_mpib	(Optional)
mpib-name	(Optional)
oif-count	(Optional)
stale-route	(Optional)
mdt-encap-index	(Optional)
stats-pkts	(Optional)
stats-bytes	(Optional)
stats-rate-buf	(Optional)
lisp-src-rloc	(Optional)
translated-route-src	(Optional)
translated-route-grp	(Optional)
route-iif	(Optional)
rpf-nbr	(Optional)
mofrr-iif	(Optional)
mofrr-nbr	(Optional)
internal	(Optional)
oif-count	(Optional)
fabric-oif	(Optional)
fabric-loser	(Optional)
num-vpc-svi-oifs	(Optional)
TABLE_oif	(Optional)
oif-name	(Optional)
oif-uptime	(Optional)

TABLE_oif_mpib	(Optional)
oif-mpib-name	(Optional)
stale-oif	(Optional)
omd-vpc-svi	(Optional)
rpf	(Optional)
route-mdt-iod	(Optional)
oif-list-bitfield	(Optional)
TABLE_route_summary	(Optional)
total-num-routes	(Optional)
star-g-route	(Optional)
sg-route	(Optional)
star-g-prfx	(Optional)
group-count	(Optional)
avg	(Optional)
rem	(Optional)
stats-pndg	(Optional)

Command Mode

- /exec

show ip msdp count

show ip msdp count [<asn>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <out-vrf> <total-cnt> [TABLE_asn <out-asn> <src-cnt> <grp-cnt>]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
count	Display SA cache counters
asn	(Optional) AS number
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-vrf	(Optional)
total-cnt	(Optional)
TABLE_asn	(Optional)
out-asn	(Optional)
src-cnt	(Optional)
grp-cnt	(Optional)

Command Mode

- /exec

show ip msdp event-history

show ip msdp [<asn>] [internal] event-history { errors | msgs | <msdp-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
asn	(Optional) AS number
internal	(Optional) Commands for internal use
event-history	Show various event logs of MSDP
errors	Error logs of MSDP
msgs	Message logs of MSDP
msdp-event-hist-buf-name	Buffer
statistics	Buffer state

Command Mode

- /exec

show ip msdp mesh-group

show ip msdp mesh-group [<mesh-group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <out-vrf> [TABLE_meshgroup [<meshgroup-name>] [TABLE_peer [<peer-ipaddr>] [<peer-asn>] [<peer-description>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
mesh-group	Display members of mesh-group
mesh-group	(Optional) Display single mesh-group
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-vrf	(Optional)
TABLE_meshgroup	(Optional)
meshgroup-name	(Optional)
TABLE_peer	(Optional)
peer-ipaddr	(Optional)
peer-asn	(Optional)
peer-description	(Optional)

Command Mode

- /exec

show ip msdp peer

show ip msdp peer [<peer-address>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_peer [<peer-ipaddr>] [<out-vrf>] [<peer-asn>] [<local-ipaddr>] [<local-iface>] [<fully-configured>] [<peer-description>] [<connection-status>] [<peer-listening>] [<state-duration>] [<peer-uptime>] [<peer-rr>] [<peer-password>] [<peer-ki>] [<peer-kt>] [<peer-ri>] [<sa-in-policy>] [<sa-out-policy>] [<sa-limit>] [<mesh-name>] [<last-rcvd>] [<sa-rcvd>] [<sa-sent>] [<sa-req-rcvd>] [<sa-req-sent>] [<sa-resp-rcvd>] [<sa-resp-sent>] [<in-ctrl-msgs>] [<out-ctrl-msgs>] [<in-data-msgs>] [<out-data-msgs>] [<sa-ka-rcvd>] [<sa-ka-sent>] [<sa-notif-rcvd>] [<sa-notif-sent>] [<rem-port>] [<local-port>] [<rpf-failures>] [<cache-lifetime>] [<estb-transitions>] [<conn-attempts>] [<discont-time>]]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
peer	Display MSDP peer information
peer-address	(Optional) IP address of MSDP peer
__readonly__	(Optional)
TABLE_peer	(Optional)
peer-ipaddr	(Optional)
out-vrf	(Optional)
peer-asn	(Optional)
local-ipaddr	(Optional)
local-iface	(Optional)
fully-configured	(Optional)
peer-description	(Optional)
connection-status	(Optional)
state-duration	(Optional)
peer-listening	(Optional)

peer-uptime	(Optional)
peer-password	(Optional)
peer-ki	(Optional)
peer-kt	(Optional)
peer-ri	(Optional)
peer-rr	(Optional)
sa-in-policy	(Optional)
sa-out-policy	(Optional)
sa-limit	(Optional)
mesh-name	(Optional)
last-rcvd	(Optional)
sa-rcvd	(Optional)
sa-sent	(Optional)
sa-req-rcvd	(Optional)
sa-req-sent	(Optional)
sa-resp-rcvd	(Optional)
sa-resp-sent	(Optional)
out-ctrl-msgs	(Optional)
in-ctrl-msgs	(Optional)
out-data-msgs	(Optional)
in-data-msgs	(Optional)
sa-ka-rcvd	(Optional)
sa-ka-sent	(Optional)
sa-notif-rcvd	(Optional)
sa-notif-sent	(Optional)
rem-port	(Optional)
local-port	(Optional)
rpf-failures	(Optional)
cache-lifetime	(Optional)

estb-transitions	(Optional)
conn-attempts	(Optional)
discont-time	(Optional)

Command Mode

- /exec

show ip msdp policy statistics sa-policy in

show ip msdp policy statistics sa-policy <peer-address> { in | out } [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [TABLE_routemap [<name>] [<action>] [<seq_num>] [[TABLE_cmd [<command>] [<match_count>] [<compare_count>]]]] [<total_accept_count>] [<total_reject_count>]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	MSDP global configuration commands
policy	Policy information
statistics	Policy statistics
sa-policy	Configureed SA policy for MSDP peer
peer-address	IP address of MSDP peer for SA policy
in	Input policy
out	Output policy
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_routemap	(Optional)
name	(Optional)
action	(Optional)
seq_num	(Optional)
TABLE_cmd	(Optional)
command	(Optional)
compare_count	(Optional)
match_count	(Optional)
total_accept_count	(Optional)
total_reject_count	(Optional)

Command Mode

- /exec

show ip msdp rpf

show ip msdp rpf <rp-address> [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <out-rp-address> <out-vrf> [TABLE_mesh [<peer-addr>] [<mesh-name>]] [<is-peer-cnt-one>] [<is-rp-peer>] [<is-bgp-alive>] [<bgp-peer-addr>] [<peer-asn>] [<origin-asn>] [<is-mbgp>]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
rpf	Display RPF-peer for RP address
rp-address	IP address of RP
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-rp-address	(Optional)
out-vrf	(Optional)
TABLE_mesh	(Optional)
peer-addr	(Optional)
mesh-name	(Optional)
is-peer-cnt-one	(Optional)
is-rp-peer	(Optional)
is-bgp-alive	(Optional)
bgp-peer-addr	(Optional)
peer-asn	(Optional)
origin-asn	(Optional)
is-mbgp	(Optional)

Command Mode

- /exec

show ip msdp sa

show ip msdp { sa-cache | route } [{ <source> [<group>] } | { <group> [<source>] }] [<asn>] [peer <peer>] [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-vrf>] [<total-sa-count>] [TABLE_sa [<src-addr>] [<grp-addr>] [<rp-addr>] [<out-asn>] [<peer-addr>] [<uptime>] [<expire>]]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Display MSDP SA route cache
sa-cache	Display MSDP SA route cache
source	(Optional) Display group/source address for SA
group	(Optional) Display group/source address for SA
asn	(Optional) AS number
detail	(Optional) Display detailed information
peer	(Optional) Display MSDP SA received from single peer
peer	(Optional) IP address of peer for SA
__readonly__	(Optional)
out-vrf	(Optional)
total-sa-count	(Optional)
TABLE_sa	(Optional)
src-addr	(Optional)
grp-addr	(Optional)
rp-addr	(Optional)
peer-addr	(Optional)

out-asn	(Optional)
uptime	(Optional)
expire	(Optional)

Command Mode

- /exec

show ip msdp sources

show ip msdp sources [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-vrf>] [TABLE_source [<source-addr>] [<is-count-ge-limit>] [<count>] [<is-limit-valid>] [<limit>] [<source-prefix>] [<violates>]]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
sources	Display learned sources with their group counts and limits
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-vrf	(Optional)
TABLE_source	(Optional)
source-addr	(Optional)
is-count-ge-limit	(Optional)
count	(Optional)
is-limit-valid	(Optional)
limit	(Optional)
source-prefix	(Optional)
violates	(Optional)

Command Mode

- /exec

show ip msdp statistics

show ip msdp statistics [<peer-address>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <out-vrf> <select-err> <recv-sel-err> { TABLE_peer <peer-address> <buffer-full> <recv-buf-full> <fatal-err> <recv-fat-err> <would-block> <recv-would-block> <sock-exp> <invalid-type> <invalid-len> }]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
statistics	Display internal statistics
peer-address	(Optional) IP address of MSDP peer
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-vrf	(Optional)
select-err	(Optional)
recv-sel-err	(Optional)
TABLE_peer	(Optional)
peer-address	(Optional)
buffer-full	(Optional)
recv-buf-full	(Optional)
fatal-err	(Optional)
recv-fat-err	(Optional)
would-block	(Optional)
recv-would-block	(Optional)
sock-exp	(Optional)
invalid-type	(Optional)
invalid-len	(Optional)

Command Mode

- /exec

show ip msdp summary

show ip msdp summary [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-vrf>] [<local-asn>] [<originator-id>] [<config-peer-count>] [<estb-peer-count>] [<shut-peer-count>] [TABLE_peer [<peer-address>] [<peer-asn>] [<peer-state>] [<peer-uptime>] [<peer-last-msg>] [<peer-sa-rcvd>] [<peer-sa-limit>]]]

Syntax Description

show	Show running system information
ip	Display IP information
msdp	Display MSDP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
summary	Display MSDP peer summary
__readonly__	(Optional)
out-vrf	(Optional)
local-asn	(Optional)
originator-id	(Optional)
config-peer-count	(Optional)
estb-peer-count	(Optional)
shut-peer-count	(Optional)
TABLE_peer	(Optional)
peer-address	(Optional)
peer-asn	(Optional)
peer-state	(Optional)
peer-uptime	(Optional)
peer-last-msg	(Optional)
peer-sa-rcvd	(Optional)
peer-sa-limit	(Optional)

Command Mode

- /exec

show ip multicast vrf

show ip multicast vrf [<vrf-name> | <vrf-known-name> | all] [detail] [__readonly__ <vrf-count> { TABLE_vrf <vrf-name> <cid> <tid> <rc> <gc> <sc> <star_gc> <state> }]

Syntax Description

show	Show running system information
ip	Display IP information
multicast	Display multicast routing info
vrf	Display information for particular VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-count	(Optional)
cid	(Optional)
tid	(Optional)
rc	(Optional)
gc	(Optional)
sc	(Optional)
star_gc	(Optional)
state	(Optional)

Command Mode

- /exec

show ip nat-alias

show ip nat-alias

Syntax Description

show	Show running system information
ip	Display IP information
nat-alias	Display aliases registered by NAT module

Command Mode

- /exec

show ip nat max

show ip nat max [__readonly__ <max_dyn_translations> <max_all_host> <static_translations> <dynamic_translations> <icmp_translations>]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
max	IP NAT max values
__readonly__	(Optional)
max_dyn_translations	(Optional) Max Dynamic Translations
max_all_host	(Optional) Max All Hosts
static_translations	(Optional) No. Static Translations
dynamic_translations	(Optional) No. Dynamic Translations
icmp_translations	(Optional) No. ICMP Translations

Command Mode

- /exec

show ip nat statistics

show ip nat statistics [__readonly__ <last_clear_time> <total_active_translations> <static_translations> <dynamic_translations> <icmp_translations> <total_exp_translations> <syn_exp_translations> <finrst_exp_translations> <inactive_exp_translations> <total_hits> <total_misses> <io_hits> <io_misses> <oi_hits> <oi_misses> <total_sw_translated> <io_sw_translated> <oi_sw_translated> <total_sw_dropped> <io_sw_dropped> <oi_sw_dropped> <addr_alloc_fail_drop> <port_alloc_fail_drop> <dyn_trans_maxlimit_drop> <icmp_maxlimit_drop> <allhost_maxlimit_drop> <total_tcp_session_created> <total_tcp_session_closed> [<Total_NAT_inside_interfaces>] [{ TABLE_NAT_inside_interfaces [<nat_inside_interfaces>] }] [<Total_NAT_outside_interfaces>] [{ TABLE_NAT_outside_interfaces [<nat_outside_interfaces>] }] [{ TABLE_NAT_inside_source_list [<nat_in_acl_name>] [<nat_in_acl_refcount>] [<nat_in_pool_name>] [<nat_pool_overload>] [<in_pool_total_address>] [<in_pool_allocated>] [<in_pool_missed>] [<interface_name>] [<interface_status>] [<interface_ip_addr>] }] [{ TABLE_NAT_outside_source_list [<nat_out_acl_name>] [<nat_out_acl_refcount>] [<nat_out_pool_name>] [<out_pool_total_address>] [<out_pool_allocated>] [<out_pool_missed>] }]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
statistics	Translation statistics
__readonly__	(Optional)
last_clear_time	(Optional) Clearable stats collected from
total_active_translations	(Optional) Total active translations
static_translations	(Optional) No. Static Translations
dynamic_translations	(Optional) No. Dynamic Translations
icmp_translations	(Optional) No. ICMP Translations
total_exp_translations	(Optional) Total expired Translations
syn_exp_translations	(Optional) SYN timer expired Translations
finrst_exp_translations	(Optional) FIN-RST timer expired Translations
inactive_exp_translations	(Optional) Inactive timer expired Translations
total_hits	(Optional) Total Hits
total_misses	(Optional) Total Misses
io_hits	(Optional) In-Out Hits
io_misses	(Optional) In-Out Misses

oi_hits	(Optional) Out-In Hits
oi_misses	(Optional) Out-In Misses
total_sw_translated	(Optional) Total SW Translated Packets
io_sw_translated	(Optional) In-Out SW Translated Packets
oi_sw_translated	(Optional) Out-In SW Translated Packets
total_sw_dropped	(Optional) Total SW Dropped Packets
io_sw_dropped	(Optional) In-Out SW Dropped Packets
oi_sw_dropped	(Optional) Out-In SW Dropped Packets
addr_alloc_fail_drop	(Optional) Address alloc. failure dropped Packets
port_alloc_fail_drop	(Optional) Port alloc. failure dropped Packets
dyn_trans_maxlimit_drop	(Optional) Dyn. Translation max limit dropped Packets
icmp_maxlimit_drop	(Optional) ICMP max limit dropped Packets
allhost_maxlimit_drop	(Optional) Allhost max limit dropped Packets
total_tcp_session_created	(Optional) Total tcp session created
total_tcp_session_closed	(Optional) Total tcp session closed
Total_NAT_inside_interfaces	(Optional) Number of NAT inside interfaces
TABLE_NAT_inside_interfaces	(Optional) NAT inside interfaces
nat_inside_interfaces	(Optional) NAT Inside Interfaces
Total_NAT_outside_interfaces	(Optional) Number of NAT outside interfaces
TABLE_NAT_outside_interfaces	(Optional) NAT outside interfaces
nat_outside_interfaces	(Optional) NAT Outside Interfaces
TABLE_NAT_inside_source_list	(Optional) NAT Inside source list
TABLE_NAT_outside_source_list	(Optional) NAT Outside source list
nat_in_acl_name	(Optional) NAT inside access list name
nat_out_acl_name	(Optional) NAT outside access list name
nat_in_acl_refcount	(Optional) NAT inside access list ref. count
nat_out_acl_refcount	(Optional) NAT outside access list ref. count
nat_in_pool_name	(Optional) NAT inside Pool name
nat_out_pool_name	(Optional) NAT outside Pool name

nat_pool_overload	(Optional) NAT Pool overload
in_pool_total_address	(Optional) Total address in the inside pool
out_pool_total_address	(Optional) Total address in the outside pool
in_pool_allocated	(Optional) Total address allocated in the inside pool
out_pool_allocated	(Optional) Total address allocated in the outside pool
in_pool_missed	(Optional) Total failed address allocation in the inside pool
out_pool_missed	(Optional) Total failed address allocation in the outside pool
interface_name	(Optional) NAT source list interface name
interface_status	(Optional) NAT source list interface status
interface_ip_addr	(Optional) NAT source list interface addr

Command Mode

- /exec

show ip nat timeout

show ip nat timeout [__readonly__ <tcp_timeout> <udp_timeout> [<icmp_timeout>] <dynamic_timeout> [<sampling_timeout>] [<syn_timeout>] [<finrst_timeout>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
timeout	IP NAT timeout values
__readonly__	(Optional)
tcp_timeout	(Optional) TCP Timeout
udp_timeout	(Optional) UDP Timeout
icmp_timeout	(Optional) ICMP Timeout
dynamic_timeout	(Optional) Dynamic Timeout
sampling_timeout	(Optional) Sampling Timeout
syn_timeout	(Optional) SYN Timeout
finrst_timeout	(Optional) FINRST Timeout

Command Mode

- /exec

show ip nat translations

show ip nat translations [vrf { <vrf-name> | <vrf-known-name> | all }] [verbose] [internal-detail] [__readonly__ { TABLE_nat_translation [<Protocol>] [<Inside_global_IP_V4_Address>] [<Inside_global_port>] [<Inside_local_IP_V4_Address>] [<Inside_local_port>] [<Outside_local_IP_V4_Address>] [<Outside_local_port>] [<Outside_global_IP_V4_Address>] [<Outside_global_port>] [<VRF>] [<In_stats_count>] [<Out_stats_count>] [<Group_id>] [<Time_left>] [<Syn>] [<Fin_rst>] [<Flags>] [<Entry_id>] [<State>] }]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
nat	IP NAT information
translations	Translation entries
verbose	(Optional) Show extra information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all vrfs
internal-detail	(Optional) Display internal debugs
__readonly__	(Optional) Readonly
TABLE_nat_translation	(Optional) NAT Translation Table
Protocol	(Optional) Protocol
Inside_global_IP_V4_Address	(Optional) Inside global address
Inside_global_port	(Optional) Inside global port
Inside_local_IP_V4_Address	(Optional) Inside local address
Inside_local_port	(Optional) Inside local port
Outside_local_IP_V4_Address	(Optional) Outside local address
Outside_local_port	(Optional) Outside local port
Outside_global_IP_V4_Address	(Optional) Outside global address
Outside_global_port	(Optional) Outside global port
Flags	(Optional) Flags

In_stats_count	(Optional) In stats count
Out_stats_count	(Optional) Out stats count
Entry_id	(Optional) Entry ID
State	(Optional) State
Group_id	(Optional) Group ID
VRF	(Optional) VRF
Time_left	(Optional) Time Left (HH:MM:SS)
Syn	(Optional) Syn
Fin_rst	(Optional) FIN RESET

Command Mode

- /exec

show ip ospf

show ip ospf [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <instance_number> <cname> <rid> [<domain_tag>] [<dn_bit_ignore>] <stateful_ha> <gr_ha> [<gr_planned_only>] [<gr_notify_period>] [<gr_grace_period>] [<gr_state>] [<gr_last_status>] [<gr_helper_mode>] <support_tos0_only> <support_opaque_lsa> [<low_mem_cond>] <is_abr> <is_asbr> [<max_lsa_non_self_number>] [<max_lsa_state>] [<max_lsa_warning_only>] [<max_lsa_current_non_self_lsa_number>] [<max_lsa_threshold_pct>] [<max_lsa_ignore_time>] [<max_lsa_reset_time>] [<max_lsa_ignore_count>] [<max_lsa_current_ignore_count>] [<max_lsa_ignore_time_left>] [<max_lsa_reset_time_left>] [<max_lsa_permanent_ignore>] [{ TABLE_redist <proto> [<max_lsas>] [<warning>] [<threshold>] [<current_count>] }] <admin_dist> <ref_bw> <spf_start_time> <spf_hold_time> <spf_max_time> <lsa_start_time> <lsa_hold_time> <lsa_max_time> <min_lsa_arr_time> <lsa_aging_pace> <spf_max_paths> <max_metric_adver> [[<max_metric_time_left>] [<max_metric_wait_bgp>] [<max_metric_timeout>] [<max_metric_always>] [<max_metric_sum_lsa>] [<max_metric_ext_lsa>]] <asext_lsa_cnt> <asext_lsa_crc> <asopaque_lsa_cnt> <asopaque_lsa_crc> <area_total> <area_normal> <area_stub> <area_nssa> <act_area_total> <act_area_normal> <act_area_stub> <act_area_nssa> <no_discard_rt_ext> <no_discard_rt_int> [<bfd_enabled>] [<passive_dflt>] [<name_lookup>] [<segrt_configured>] [<segrt_enabled>] [{ <srgb_min_label> <srgb_max_label> }] [{ TABLE_area <aname> [<backbone_active>] [<active>] <age> <total_intf> <act_intf> <passive_intf> <loopback_intf> [<gr_nbr_cnt>] <stub> [<stub_def_cost>] <nssa> [<no_redist>] [<nssa_trans>] <no_summary> <auth_type> [{ <area_segrt_configured> | <area_segrt_disabled_by_config> }] [<area_segrt_enabled>] <spf_runs> <last_spf_run_time> [<rtr_lsa_throt>] [TABLE_range <addr> <masklen> <state> <nets> <advertise> [<cost>]] [<filter_in>] [<filter_out>] <lsa_cnt> <lsa_crc> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
instance_number	(Optional)
cname	(Optional)
rid	(Optional)

domain_tag	(Optional)
dn_bit_ignore	(Optional)
stateful_ha	(Optional)
gr_ha	(Optional)
gr_planned_only	(Optional)
gr_notify_period	(Optional)
gr_grace_period	(Optional)
gr_state	(Optional)
gr_last_status	(Optional)
gr_helper_mode	(Optional)
support_tos0_only	(Optional)
support_opaque_lsa	(Optional)
low_mem_cond	(Optional)
is_abr	(Optional)
is_asbr	(Optional)
max_lsa_non_self_number	(Optional)
max_lsa_state	(Optional)
max_lsa_warning_only	(Optional)
max_lsa_current_non_self_lsa_number	(Optional)
max_lsa_threshold_pct	(Optional)
max_lsa_ignore_time	(Optional)
max_lsa_reset_time	(Optional)
max_lsa_ignore_count	(Optional)
max_lsa_current_ignore_count	(Optional)
max_lsa_ignore_time_left	(Optional)
max_lsa_reset_time_left	(Optional)
max_lsa_permanent_ignore	(Optional)
TABLE_redist	(Optional)
proto	(Optional)

max_lsas	(Optional)
warning	(Optional)
threshold	(Optional)
current_count	(Optional)
admin_dist	(Optional)
ref_bw	(Optional)
spf_start_time	(Optional)
spf_hold_time	(Optional)
spf_max_time	(Optional)
lsa_start_time	(Optional)
lsa_hold_time	(Optional)
lsa_max_time	(Optional)
min_lsa_arr_time	(Optional)
lsa_aging_pace	(Optional)
spf_max_paths	(Optional)
max_metric_adver	(Optional)
max_metric_time_left	(Optional)
max_metric_wait_bgp	(Optional)
max_metric_timeout	(Optional)
max_metric_always	(Optional)
max_metric_sum_lsa	(Optional)
max_metric_ext_lsa	(Optional)
asext_lsa_cnt	(Optional)
asext_lsa_crc	(Optional)
asopaque_lsa_cnt	(Optional)
asopaque_lsa_crc	(Optional)
area_total	(Optional)
area_normal	(Optional)
area_stub	(Optional)

area_nssa	(Optional)
act_area_total	(Optional)
act_area_normal	(Optional)
act_area_stub	(Optional)
act_area_nssa	(Optional)
bfd_enabled	(Optional)
name_lookup	(Optional)
passive_dflt	(Optional)
no_discard_rt_ext	(Optional)
no_discard_rt_int	(Optional)
segrt_configured	(Optional)
segrt_enabled	(Optional)
srgb_min_label	(Optional)
srgb_max_label	(Optional)
TABLE_area	(Optional)
aname	(Optional)
backbone_active	(Optional)
active	(Optional)
age	(Optional)
total_intf	(Optional)
act_intf	(Optional)
passive_intf	(Optional)
loopback_intf	(Optional)
gr_nbr_cnt	(Optional)
stub	(Optional)
stub_def_cost	(Optional)
nssa	(Optional)
no_redist	(Optional)
nssa_trans	(Optional)

no_summary	(Optional)
auth_type	(Optional)
area_segrt_configured	(Optional)
area_segrt_disabled_by_config	(Optional)
area_segrt_enabled	(Optional)
spf_runs	(Optional)
last_spf_run_time	(Optional)
rtr_lsa_throt	(Optional)
TABLE_range	(Optional)
addr	(Optional)
masklen	(Optional)
state	(Optional)
nets	(Optional)
advertise	(Optional)
cost	(Optional)
filter_in	(Optional)
filter_out	(Optional)
lsa_cnt	(Optional)
lsa_crc	(Optional)

Command Mode

- /exec

show ip ospf border-routers

show ip ospf [<tag>] border-routers [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_br <type> <addr> <cost> <asbr> <abr> <area> <spf_inst> [<vlink_unresolved>] [TABLE_br_ubest_nh [<ubest_nh_addr>] [<ubest_nh_intf>]] [TABLE_br_mbest_nh [<mbest_nh_addr>] [<mbest_nh_intf>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
border-routers	Border routers
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_br	(Optional)
type	(Optional)
addr	(Optional)
cost	(Optional)
asbr	(Optional)
abr	(Optional)
area	(Optional)
spf_inst	(Optional)
vlink_unresolved	(Optional)
TABLE_br_ubest_nh	(Optional)

ubest_nh_addr	(Optional)
ubest_nh_intf	(Optional)
TABLE_br_mbest_nh	(Optional)
mbest_nh_addr	(Optional)
mbest_nh_intf	(Optional)

Command Mode

- /exec

show ip ospf database

show ip ospf [<tag>] database [[[[network | asbr-summary | summary | router | opaque-link | opaque-area [type { router-information | ext-prefix | ext-link }] | nssa-external] [area <area-id-ip>]] | external [ext_tag <tag_val>] | opaque-as] [<lsid>] [self-originated | adv-router <advid> | adv-router-name <adv-name>]] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [TABLE_db2_lsa <name> [<area>] <id> <advrtr> <age> <seqno> <cksum> [<opaque_id>] [<prefix>] [<prefix_mask>] [<srgb_base>] [<srgb_range>] [<corrupt>] [<rtr_num_links>] [<tag>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs
opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
lsid	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
advid	(Optional) Advertising router ID

adv-router-name	(Optional) Restrict display by Advertising router name
adv-name	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
area-id-ip	(Optional) Area Id as an integer or ip address
ext_tag	(Optional) Restrict display by tag
tag_val	(Optional) 32-bit tag value
type	(Optional) Opaque type
router-information	(Optional) Router Information (RI) Opaque LSA
ext-prefix	(Optional) Extended Prefix Opaque LSA
ext-link	(Optional) Extended Link Opaque LSA
tag	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_db2_lsa	(Optional)
name	(Optional)
area	(Optional)
id	(Optional)
advrtr	(Optional)
age	(Optional)
seqno	(Optional)
cksum	(Optional)
opaque_id	(Optional)
prefix	(Optional)
prefix_mask	(Optional)
srgb_base	(Optional)
srgb_range	(Optional)

corrupt	(Optional)
rtr_num_links	(Optional)

Command Mode

- /exec

show ip ospf database database-summary

show ip ospf [<tag>] database database-summary [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [TABLE_dbsum [TABLE_dbsum_area <area> [TABLE_dbsum_area_lsa <area_lsa_name> <area_lsa_count>] <area_lsa_total>] [TABLE_dbsum_all [TABLE_dbsum_lsa_all <lsa_name> <lsa_count>] <non_self_lsa_total> <lsa_total>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
database-summary	Summary of database
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_dbsum	(Optional)
TABLE_dbsum_area	(Optional)
area	(Optional)
TABLE_dbsum_area_lsa	(Optional)
area_lsa_name	(Optional)
area_lsa_count	(Optional)
area_lsa_total	(Optional)
TABLE_dbsum_all	(Optional)

TABLE_dbsum_lsa_all	(Optional)
lsa_name	(Optional)
lsa_count	(Optional)
non_self_lsa_total	(Optional)
lsa_total	(Optional)

Command Mode

- /exec

show ip ospf database detail

show ip ospf [<tag>] database [[[network | asbr-summary | summary | router | opaque-link | opaque-area [type { router-information | ext-prefix | ext-link }] | nssa-external] [area <area-id-ip>]] | external [ext_tag <tag_val>] | opaque-as] [<lsid>] [self-originated | adv-router <advid> | adv-router-name <adv-name>] detail [private] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [TABLE_db2_lsa <name> [<area>] [<rtr_max_metric>] [TABLE_lsdb <age> <maxage> <options> <options_str> <wrapping> <dummy> <flush_pending> <type> <id> <id_str> [<opaque_type>] [<opaque_type_str>] [<opaque_id>] [<prefix>] [<prefix_mask>] [<srgb_base>] [<srgb_range>] <advrtr> <seqno> <cksum> <len> [<corrupt>] [<rtr_abr>] [<rtr_asbr>] [<rtr_translate>] [<rtr_vlink_end>] [<rtr_num_links>] [<rtr_links_mismatch>] [TABLE_rlsa [<rtr_link_type>] [<rtr_link_id_str>] [<rtr_link_id>] [<rtr_link_data_str>] [<rtr_link_data>] [<rtr_link_num_tos>] [<rtr_link_metric>] [TABLE_rlinktos [<rtr_link_tos_id>] [<rtr_link_tos_metric>]]] [<net_mask>] [TABLE_netlsa [<net_rtr>]] [<sum_mask>] [<sum_metric>] [TABLE_sumlsa [<sum_tos_id>] [<sum_tos_metric>]] [<nssa_mask>] [<nssa_metric_type2>] [<nssa_metric>] [<nssa_fwd_addr>] [<nssa_tag>] [TABLE_nssa [<nssa_tos_metric_type2>] [<nssa_tos_id>] [<nssa_tos_metric>] [<nssa_tos_fwd_addr>] [<nssa_tos_tag>]] [<asext_mask>] [<asext_metric_type2>] [<asext_metric>] [<asext_fwd_addr>] [<asext_tag>] [TABLE_asext [<asext_tos_metric_type2>] [<asext_tos_id> <asext_tos_metric>] [<asext_tos_fwd_addr>] [<asext_tos_tag>]] [<opaque_link_intf>] [<opaque_unknown>] [<opaque_data_len>] [<opaque_data>] [<opaque_corrupt>] [<tlv_type>] [<tlv_len>] [<tlv_data>] [<tlv_unknown>] [<gr_interval>] [<gr_reason>] [<gr_addr>] [<te_frag_id>] [<te_rtr_id>] [<te_link_type>] [<te_link_id>] [<te_link_metric>] [<te_link_max_bw>] [<te_link_rsv_bw>] [<te_link_unrsv_bw>] [<te_link_admin>] [<te_num_links>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
network	(Optional) Display network LSAs
asbr-summary	(Optional) Display type 4 (asbr-summary) LSAs
external	(Optional) Display type 5 (external) LSAs
router	(Optional) Display router LSAs
nssa-external	(Optional) Display type 7 (NSSA external) LSAs

opaque-link	(Optional) Display Opaque Link-Local LSAs
opaque-area	(Optional) Display Opaque Area LSAs
opaque-as	(Optional) Display Opaque AS LSAs
summary	(Optional) Display type 3 (network-summary) LSAs
self-originated	(Optional) Display only self-originated LSAs
lsid	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
advid	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
adv-name	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
area-id-ip	(Optional) Area Id as an integer or ip address
ext_tag	(Optional) Restrict display by tag
tag_val	(Optional) 32-bit tag value
type	(Optional) Opaque type
router-information	(Optional) Router Information (RI) Opaque LSA
ext-prefix	(Optional) Extended Prefix Opaque LSA
ext-link	(Optional) Extended Link Opaque LSA
detail	Display LSA in detail
private	(Optional) Developer-only statistics
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_db2_lsa	(Optional)
name	(Optional)
area	(Optional)
rtr_max_metric	(Optional)

TABLE_lsdb	(Optional)
age	(Optional)
maxage	(Optional)
options	(Optional)
options_str	(Optional)
wrapping	(Optional)
dummy	(Optional)
flush_pending	(Optional)
type	(Optional)
id	(Optional)
id_str	(Optional)
opaque_type	(Optional)
opaque_type_str	(Optional)
opaque_id	(Optional)
prefix	(Optional)
prefix_mask	(Optional)
srgb_base	(Optional)
srgb_range	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
len	(Optional)
corrupt	(Optional)
rtr_abr	(Optional)
rtr_asbr	(Optional)
rtr_translate	(Optional)
rtr_vlink_end	(Optional)
rtr_num_links	(Optional)
rtr_links_mismatch	(Optional)

TABLE_rlsa	(Optional)
rtr_link_type	(Optional)
rtr_link_id_str	(Optional)
rtr_link_id	(Optional)
rtr_link_data_str	(Optional)
rtr_link_data	(Optional)
rtr_link_num_tos	(Optional)
rtr_link_metric	(Optional)
TABLE_rlinktos	(Optional)
rtr_link_tos_id	(Optional)
rtr_link_tos_metric	(Optional)
net_mask	(Optional)
TABLE_netlsa	(Optional)
net_rtr	(Optional)
sum_mask	(Optional)
sum_metric	(Optional)
TABLE_sumlsa	(Optional)
sum_tos_id	(Optional)
sum_tos_metric	(Optional)
nssa_mask	(Optional)
nssa_metric_type2	(Optional)
nssa_metric	(Optional)
nssa_fwd_addr	(Optional)
nssa_tag	(Optional)
TABLE_nssa	(Optional)
nssa_tos_metric_type2	(Optional)
nssa_tos_id	(Optional)
nssa_tos_metric	(Optional)
nssa_tos_fwd_addr	(Optional)

nssa_tos_tag	(Optional)
asext_mask	(Optional)
asext_metric_type2	(Optional)
asext_metric	(Optional)
asext_fwd_addr	(Optional)
asext_tag	(Optional)
TABLE_asext	(Optional)
asext_tos_metric_type2	(Optional)
asext_tos_id	(Optional)
asext_tos_metric	(Optional)
asext_tos_fwd_addr	(Optional)
asext_tos_tag	(Optional)
opaque_link_intf	(Optional)
opaque_unknown	(Optional)
opaque_data_len	(Optional)
opaque_data	(Optional)
opaque_corrupt	(Optional)
tlv_type	(Optional)
tlv_len	(Optional)
tlv_data	(Optional)
tlv_unknown	(Optional)
gr_interval	(Optional)
gr_reason	(Optional)
gr_addr	(Optional)
te_frag_id	(Optional)
te_rtr_id	(Optional)
te_link_type	(Optional)
te_link_id	(Optional)
te_link_metric	(Optional)

te_link_max_bw	(Optional)
te_link_rsv_bw	(Optional)
te_link_unrsv_bw	(Optional)
te_link_admin	(Optional)
te_num_links	(Optional)

Command Mode

- /exec

show ip ospf event-history

show ip ospf [<tag>] [internal] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | ldp | te | rib | hello | spf-trigger | cli | objstore | segrt }

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Show various event logs of OSPF
errors	Error logs
msgs	IPC logs
statistics	Show the state and size of the buffers
adjacency	Adjacency formation logs
event	Internal event logs
ha	HA and GR logs
flooding	LSA flooding logs
lsa	LSA generation and databse logs
spf	SPF calculation logs
redistribution	Redistribution logs
ldp	LDP related logs
te	MPLS TE related logs
rib	RIB related logs
hello	Hello related logs
cli	Cli logs
spf-trigger	SPF TRIGGER related logs
objstore	DME OBJSTORE related logs
segrt	Segment Routing logs

Command Mode

- /exec

show ip ospf event-history detail

show ip ospf [<tag>] [internal] event-history detail [statistics]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Show event history of OSPF
detail	Show detailed event history information
statistics	(Optional) Show the state and size of the verbose history buffer

Command Mode

- /exec

show ip ospf ha

show ip ospf [<tag>] ha [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> <stateful> <pss_restored> <pss_state> <gr_enabled> <gr_grace_period> <gr_state> <gr_last_status> <gr_helper_mode>]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ha	High Availability status
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
stateful	(Optional)
pss_restored	(Optional)
pss_state	(Optional)
gr_enabled	(Optional)
gr_grace_period	(Optional)
gr_state	(Optional)
gr_last_status	(Optional)
gr_helper_mode	(Optional)

Command Mode

- /exec

show ip ospf interface

show ip ospf [<tag>] interface [<interface> | vrf { <vrf-name> | <vrf-known-name> | all }] [private] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_intf <ifname> <admin_status> <proto_status> [<unnumbered>] <addr> [<masklen>] [<parent_intf>] <area> [<if_cfg>] <state_str> <type_str> <cost> [<bfd_enabled>] [<ldp_sync>] [<sid_index>] [<sid_n_flag_clear>] [<sid_exp_null>] <index> [<passive>] [<mpls>] [<transmit_delay>] [<if_priority>] [<dr_rid>] [<dr_addr>] [<bdr_rid>] [<bdr_addr>] [<nbr_total>] [<nbr_flood>] [<nbr_adjs>] [<gr_nbr>] [<hello_interval>] [<dead_interval>] [<wait_interval>] [<rxmt_interval>] [<hello_timer>] [<wait_timer>] [<pacing_timer>] [<lsu_timer>] [<lsack_timer>] [<netlsa_throt_timer>] [<auth_type>] [<keychain_name>] [<keychain_ready>] [<auth_md5_keyid>] [<auth_keyid>] [<auth_algo>] [<link_lsa_cnt>] [<link_lsa_crc>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
interface	(Optional) OSPF enabled interface
private	(Optional) Developer-only statistics
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
admin_status	(Optional)
proto_status	(Optional)
unnumbered	(Optional)
addr	(Optional)

masklen	(Optional)
parent_intf	(Optional)
area	(Optional)
if_cfg	(Optional)
state_str	(Optional)
type_str	(Optional)
cost	(Optional)
bfd_enabled	(Optional)
ldp_sync	(Optional)
sid_index	(Optional)
sid_n_flag_clear	(Optional)
sid_exp_null	(Optional)
index	(Optional)
passive	(Optional)
mpls	(Optional)
transmit_delay	(Optional)
if_priority	(Optional)
dr_rid	(Optional)
dr_addr	(Optional)
bdr_rid	(Optional)
bdr_addr	(Optional)
nbr_total	(Optional)
nbr_flood	(Optional)
nbr_adjs	(Optional)
gr_nbr	(Optional)
hello_interval	(Optional)
dead_interval	(Optional)
wait_interval	(Optional)
rxmt_interval	(Optional)

hello_timer	(Optional)
wait_timer	(Optional)
pacing_timer	(Optional)
lsu_timer	(Optional)
lsack_timer	(Optional)
netlsa_throt_timer	(Optional)
auth_type	(Optional)
keychain_name	(Optional)
keychain_ready	(Optional)
auth_md5_keyid	(Optional)
auth_keyid	(Optional)
auth_algo	(Optional)
link_lsa_cnt	(Optional)
link_lsa_crc	(Optional)

Command Mode

- /exec

show ip ospf interface brief

show ip ospf [<tag>] interface brief [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> <intf_count> TABLE_intf <ifname> <index> <area> <cost> <state_str> <nbr_total> <admin_status>]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
brief	Display summary of OSPF interfaces
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
intf_count	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
index	(Optional)
area	(Optional)
cost	(Optional)
state_str	(Optional)
nbr_total	(Optional)
admin_status	(Optional)

Command Mode

- /exec

show ip ospf lsa-content-changed-list

show ip ospf [<tag>] lsa-content-changed-list { <ip-addr> | <neighbor-name> } <interface> [__readonly__ [TABLE_ctx <ptag> <cname> [TABLE_lschg <nbr_rid> <intf> <nbr_addr> [TABLE_lsa [<type>] [<lsid>] [<advrtr>] [<seqno>] [<cksum>] [<age>]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
lsa-content-changed-list	LSAs that changed contents
interface	OSPF enabled interface
ip-addr	Neighbor router ID
neighbor-name	DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_lschg	(Optional)
nbr_rid	(Optional)
intf	(Optional)
nbr_addr	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

Command Mode

- /exec

show ip ospf memory

show ip ospf [<tag>] memory [__readonly__ TABLE_mem <ptag> <byte_total> <byte_consumed> <byte_overhead> <byte_allocated> <alloc_current> <alloc_created> <alloc_failed> <alloc_free> <bf_current> <bf_created> <bf_failed> <bf_free> <bf_byte_consumed> <bf_32_current> <bf_32_created> <bf_32_failed> <bf_32_free> <bf_32_byte_consumed> <slab_current> <slab_created> <slab_failed> <slab_free> <slab_byte_consumed> <if_index_alloc_failed> <nbr_index_alloc_failed>]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
memory	Memory usage statistics
__readonly__	(Optional)
TABLE_mem	(Optional)
ptag	(Optional)
byte_total	(Optional)
byte_consumed	(Optional)
byte_overhead	(Optional)
byte_allocated	(Optional)
alloc_current	(Optional)
alloc_created	(Optional)
alloc_failed	(Optional)
alloc_free	(Optional)
bf_current	(Optional)
bf_created	(Optional)
bf_failed	(Optional)
bf_free	(Optional)
bf_byte_consumed	(Optional)
bf_32_current	(Optional)
bf_32_created	(Optional)

bf_32_failed	(Optional)
bf_32_free	(Optional)
bf_32_byte_consumed	(Optional)
slab_current	(Optional)
slab_created	(Optional)
slab_failed	(Optional)
slab_free	(Optional)
slab_byte_consumed	(Optional)
if_index_alloc_failed	(Optional)
nbr_index_alloc_failed	(Optional)

Command Mode

- /exec

show ip ospf neighbors

show ip ospf [<tag>] neighbors [{ { <interface> [<neighbor> | <neighbor-name>] } | { [<neighbor> | <neighbor-name>] [vrf { <vrf-name> | <vrf-known-name> | all }] } }] [__readonly__ TABLE_ctx <ptag> <cname> <nbrcount> [TABLE_nbr <rid> <priority> <state> <drstate> <uptime> <addr> <intf> [<multiarea>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
neighbor-name	(Optional) DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
nbrcount	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
priority	(Optional)
state	(Optional)
drstate	(Optional)
uptime	(Optional)

addr	(Optional)
intf	(Optional)
multiarea	(Optional)

Command Mode

- /exec

show ip ospf neighbors detail

show ip ospf [<tag>] neighbors [<interface>] [<neighbor> | <neighbor-name>] detail [vrf { <vrf-name> | <vrf-known-name> | all }] [private] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_nbr <rid> <addr> <area> <intf> <state> <transition> <lastchange> [<bfd_state>] [<priority>] [<ifid>] [<dr>] [<dc>] [<bdr>] [<master>] [<seqno>] [<dbdallsentacked>] [<dbdallsent>] [<dbdallacked>] [<lsaonreqlist>] [<lsafromlastreq>] [<lsreqrxmts>] <helloptions> <dbdoptions> <lastnonhello> [<deadtimer>] [<pacingtimer>] [<dbdrxmtimer>] [<reqrxmtimer>] [<lsutimer>] [<rerxmtimer>] [<fastrerxmtimer>] [<lsacktimer>] [<grtimer>] [<helpermode>] [<helpercand>] [<helperterm>] [<senddbd>] [<sendlsreq>] [<sendlsu>] [<sendlsurxmt>] [<sendlsack>] [<sendlsreqreply>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
neighbor-name	(Optional) DNS Name of the neighbor
detail	Show detailed neighbor display
private	(Optional) Developer-only statistics
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
addr	(Optional)

area	(Optional)
intf	(Optional)
state	(Optional)
transition	(Optional)
lastchange	(Optional)
bfd_state	(Optional)
priority	(Optional)
ifid	(Optional)
dr	(Optional)
bdr	(Optional)
master	(Optional)
seqno	(Optional)
dbdallsentacked	(Optional)
dbdallsent	(Optional)
dbdallacked	(Optional)
lsaonreqlist	(Optional)
lsafromlastreq	(Optional)
lsreqrxmts	(Optional)
helloptions	(Optional)
dbdoptions	(Optional)
lastnonhello	(Optional)
deadtimer	(Optional)
pacingtimer	(Optional)
dbdrxmtimer	(Optional)
reqrxmtimer	(Optional)
lsutimer	(Optional)
rerxmtimer	(Optional)
fastrerxmtimer	(Optional)
lsacktimer	(Optional)

grtimer	(Optional)
helpermode	(Optional)
helpercand	(Optional)
helperterm	(Optional)
senddbd	(Optional)
sendlsreq	(Optional)
sendlsu	(Optional)
sendlsurxmt	(Optional)
sendlsack	(Optional)
sendlsreqreply	(Optional)
dc	(Optional)

Command Mode

- /exec

show ip ospf neighbors summary

show ip ospf [<tag>] neighbors [<interface>] summary [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> TABLE_intf { <ifname> | <total> } <down> <attempt> <init> <twoway> <exstart> <exchange> <loading> <full> <if_total>]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
summary	Summary of neighbors
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
total	(Optional)
down	(Optional)
attempt	(Optional)
init	(Optional)
twoway	(Optional)
exstart	(Optional)
exchange	(Optional)

loading	(Optional)
full	(Optional)
if_total	(Optional)

Command Mode

- /exec

show ip ospf policy statistics

show ip ospf [<inst>] policy statistics { { redistribute { { bgp | eigrp } <as> | { isis | ospf | rip } <tag> | static | direct | amt } } | { area <area-id-ip> filter-list { in | out } } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <ptag> TABLE_ctx <cname>]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
inst	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
policy	Display Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
ospf	Open Shortest Path First (OSPFv2)
eigrp	Enhanced Interior Gateway Protocol (EIGRP)
rip	Routing Information Protocol (RIP)
static	Static
direct	Directly connected
amt	AMT anycast prefix
tag	Source protocol tag
area	Configure area properties
area-id-ip	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas

in	Filter networks sent to this area
out	Filter networks sent from this area
__readonly__	(Optional)
ptag	(Optional)
TABLE_ctx	(Optional)
cname	(Optional)

Command Mode

- /exec

show ip ospf request-list

show ip ospf [<tag>] request-list { <ip-addr> | <neighbor-name> } <interface> [__readonly__ [TABLE_ctx <ptag> <cname> [TABLE_lsreq <nbr_rid> <intf> <nbr_addr> <total> [TABLE_lsa [<type>] [<lsid>] [<advrtr>] [<seqno>] [<cksum>] [<age>]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
request-list	Link state request list
interface	OSPF enabled interface
ip-addr	Neighbor router ID
neighbor-name	DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_lsreq	(Optional)
nbr_rid	(Optional)
intf	(Optional)
nbr_addr	(Optional)
total	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

Command Mode

- /exec

show ip ospf retransmission-list

show ip ospf [<tag>] retransmission-list { <routerid> | <router-name> } <interface> [__readonly__ [TABLE_ctx <ptag> <cname> [TABLE_rxmit <nbr_rid> <intf> <nbr_addr> [<timer_running>] [<timer_due>] [TABLE_lsa [<type>] [<lsid>] [<advrtr>] [<seqno>] [<cksum>] [<age>]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
retransmission-list	Link state retransmission list
routerid	Neighbor router ID
router-name	DNS Name of the router
interface	OSPF enabled interface
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_rxmit	(Optional)
nbr_rid	(Optional)
intf	(Optional)
nbr_addr	(Optional)
timer_running	(Optional)
timer_due	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)

age	(Optional)

Command Mode

- /exec

show ip ospf route

show ip ospf [<tag>] route [<ip-addr> | <ip-prefix> [longer-prefixes]] [detail] [all_routes] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [<hdr_addr>] [<hdr_masklen>] [TABLE_route <addr> <masklen> <type> <in_rib> <direct> [<area>] [<tag>] [<vlink_unresolved>] [TABLE_route_ubest_nh [<ubest_nh_addr>] [<ubest_nh_intf>] [<ubest_cost>] [<distance>] [<ubest_nh_direct>] [<ubest_nh_in_rib>]] [TABLE_route_mbest_nh [<mbest_nh_addr>] [<mbest_nh_intf>] [<mbest_cost>] [<mbest_nh_direct>] [<mbest_nh_in_rib>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
ip-addr	(Optional) Show single OSPF route
ip-prefix	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
detail	(Optional) Detailed information
all_routes	(Optional) Display all OSPF routes
tag	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
hdr_addr	(Optional)
hdr_masklen	(Optional)
TABLE_route	(Optional)

addr	(Optional)
masklen	(Optional)
type	(Optional)
in_rib	(Optional)
direct	(Optional)
area	(Optional)
vlink_unresolved	(Optional)
TABLE_route_ubest_nh	(Optional)
ubest_nh_addr	(Optional)
ubest_nh_intf	(Optional)
ubest_cost	(Optional)
distance	(Optional)
ubest_nh_direct	(Optional)
ubest_nh_in_rib	(Optional)
TABLE_route_mbest_nh	(Optional)
mbest_nh_addr	(Optional)
mbest_nh_intf	(Optional)
mbest_cost	(Optional)
mbest_nh_direct	(Optional)
mbest_nh_in_rib	(Optional)

Command Mode

- /exec

show ip ospf route summary

show ip ospf [<tag>] route [<ip-prefix> [longer-prefixes]] summary [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_route <total_routes> <total_paths> [TABLE_route_type <path_type> <path_routes> <path_paths>] [TABLE_route_masklen <masklen> <masklen_routes> <masklen_paths>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
ip-prefix	(Optional) Show single exact match OSPF route
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_route	(Optional)
total_routes	(Optional)
total_paths	(Optional)
TABLE_route_type	(Optional)
path_type	(Optional)
path_routes	(Optional)
path_paths	(Optional)

TABLE_route_masklen	(Optional)
masklen	(Optional)
masklen_routes	(Optional)
masklen_paths	(Optional)

Command Mode

- /exec

show ip ospf segment-routing global-block

show ip ospf [<tag>] segment-routing global-block [<adv-rtr>] [detail] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [{ TABLE_segrt_global_block <area> <adv_router_id> <SR_capable> <SR_algo> <SRGB_base> <SRGB_range> [<ril_area>] [<lsa>] }]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
segment-routing	Segment-Routing information
global-block	Global Block
adv-rtr	(Optional) Advertising Router ID
detail	(Optional) Detailed Information
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_segrt_global_block	(Optional)
adv_router_id	(Optional)
SR_capable	(Optional)
SR_algo	(Optional)
SRGB_base	(Optional)
SRGB_range	(Optional)
area	(Optional)
ril_area	(Optional)
lsa	(Optional)

Command Mode

- /exec

show ip ospf segment-routing sid-database

show ip ospf [<tag>] segment-routing sid-database [<sid-id>] [detail] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [{ TABLE_segrt_sid_db <sid_val> <prefix> <prefix_mask> <own_prefix> [<adv_rtr_vtx_reachable>] [<sid_conflict>] [<area>] [<route_type>] [<pfx_flags>] [<sid_flags>] [<lsa>] [<lsa_ref_count>] }]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
segment-routing	Segment-Routing information
sid-database	SID Database
sid-id	(Optional) SID value
detail	(Optional) Detailed Information
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_segrt_sid_db	(Optional)
sid_val	(Optional)
prefix	(Optional)
prefix_mask	(Optional)
own_prefix	(Optional)
adv_rtr_vtx_reachable	(Optional)
sid_conflict	(Optional)
area	(Optional)
route_type	(Optional)
pfx_flags	(Optional)

sid_flags	(Optional)
lsa	(Optional)
lsa_ref_count	(Optional)

Command Mode

- /exec

show ip ospf sham-links

show ip ospf [<tag>] sham-links [brief] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_slink <name> [<nbr_rid>] <if_state> <transit_area> <nh_intf> <nbr_addr> [<transit_area_stub>] [<transit_area_nssa>] <addr> [<masklen>] <area> [<if_cfg>] <state_str> <type_str> <cost> [<bfd_enabled>] <index> [<passive>] [<mpls>] [<transmit_delay>] [<if_priority>] [<dr_rid>] [<dr_addr>] [<bdr_rid>] [<bdr_addr>] [<nbr_total>] [<nbr_flood>] [<nbr_adjs>] [<gr_nbr>] [<hello_interval>] [<dead_interval>] [<wait_interval>] [<rxmt_interval>] [<sum_total>] [<hello_timer>] [<wait_timer>] [<pacing_timer>] [<lsu_timer>] [<lsack_timer>] [<netlsa_throt_timer>] [<auth_type>] [<keychain_name>] [<keychain_ready>] [<auth_md5_keyid>] [<link_lsa_cnt>] [<link_lsa_crc>] [<dc_enabled>] [<dest_ip>] [<src_ip>] [<ifnum>] [<state>] [<transition>] [<lastchange>] [<priority>] [<ifid>] [<dr>] [<bdr>] [<master>] [<seqno>] [<dbdallsentacked>] [<dbdallsent>] [<dbdallacked>] [<lsaonreqlist>] [<lsafromlastreq>] [<lsreqrxmts>] [<helloptions>] [<dbdoptions>] [<lastnonhello>] [<deadtimer>] [<pacingtimer>] [<dbdrxmtimer>] [<reqrxmtimer>] [<lsutimer>] [<rerxmtimer>] [<fastrerxmtimer>] [<lsacktimer>] [<grtimer>] [<helpermode>] [<helpercand>] [<helperterm>] [<senddbd>] [<sendlsreq>] [<sendlsu>] [<sendlsurxmt>] [<sendlsack>] [<sendlsreqreply>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
sham-links	Sham link information
brief	(Optional) Display summary of OSPF sham links
__readonly__	(Optional)
ptag	(Optional)
TABLE_ctx	(Optional)
cname	(Optional)
TABLE_slink	(Optional)
name	(Optional)
nbr_rid	(Optional)

if_state	(Optional)
transit_area	(Optional)
nh_intf	(Optional)
dc_enabled	(Optional)
nbr_addr	(Optional)
sum_total	(Optional)
transit_area_stub	(Optional)
transit_area_nssa	(Optional)
addr	(Optional)
masklen	(Optional)
area	(Optional)
if_cfg	(Optional)
state_str	(Optional)
type_str	(Optional)
cost	(Optional)
bfd_enabled	(Optional)
index	(Optional)
passive	(Optional)
mpls	(Optional)
transmit_delay	(Optional)
if_priority	(Optional)
dr_rid	(Optional)
dr_addr	(Optional)
bdr_rid	(Optional)
bdr_addr	(Optional)
nbr_total	(Optional)
nbr_flood	(Optional)
nbr_adjs	(Optional)
gr_nbr	(Optional)

hello_interval	(Optional)
dead_interval	(Optional)
wait_interval	(Optional)
rxmt_interval	(Optional)
hello_timer	(Optional)
wait_timer	(Optional)
pacing_timer	(Optional)
lsu_timer	(Optional)
lsack_timer	(Optional)
netlsa_throt_timer	(Optional)
auth_type	(Optional)
keychain_name	(Optional)
keychain_ready	(Optional)
auth_md5_keyid	(Optional)
link_lsa_cnt	(Optional)
link_lsa_crc	(Optional)
state	(Optional)
transition	(Optional)
lastchange	(Optional)
priority	(Optional)
ifid	(Optional)
dr	(Optional)
bdr	(Optional)
master	(Optional)
seqno	(Optional)
dbdallsentacked	(Optional)
dbdallsent	(Optional)
dbdallacked	(Optional)
lsaonreqlist	(Optional)

lsafromlastreq	(Optional)
lsreqrxmts	(Optional)
helloptions	(Optional)
dbdoptions	(Optional)
lastnonhello	(Optional)
deadtimer	(Optional)
pacingtimer	(Optional)
dbdrxmtimer	(Optional)
reqrxmtimer	(Optional)
lsutimer	(Optional)
rerxmtimer	(Optional)
fastrerxmtimer	(Optional)
lsacktimer	(Optional)
grtimer	(Optional)
helpermode	(Optional)
helpercand	(Optional)
helperterm	(Optional)
senddbd	(Optional)
sendlsreq	(Optional)
sendlsu	(Optional)
sendlsurxmt	(Optional)
sendlsack	(Optional)
sendlsreqreply	(Optional)
dest_ip	(Optional)
src_ip	(Optional)
ifnum	(Optional)

Command Mode

- /exec

show ip ospf statistics

show ip ospf [<tag>] statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_stats <ptag> <cname> <last_clear> <rid_change> <dr_elections> <older_lsa_recv> <nbr_state_change> <nbr_dead_postpone> <nbr_dead_expire> <nbr_bad_lsreq> <nbr_seqno_mismatch> <spf_full> <spf_summary> <spf_external> <spf_extsummary> <rtr_generate> <rtr_refresh> <rtr_flush> <rtr_other_flush> <net_generate> <net_refresh> <net_flush> <net_other_flush> <sum_generate> <sum_refresh> <sum_flush> <sum_other_flush> <asbr_generate> <asbr_refresh> <asbr_flush> <asbr_other_flush> <asext_generate> <asext_refresh> <asext_flush> <asext_other_flush> <opaque_link_generate> <opaque_link_refresh> <opaque_link_flush> <opaque_link_other_flush> <opaque_area_generate> <opaque_area_refresh> <opaque_area_flush> <opaque_area_other_flush> <opaque_as_generate> <opaque_as_refresh> <opaque_as_flush> <opaque_as_other_flush> <limbo_lsa_count> <limbo_lsa_hwm> <limbo_lsa_deleted> <limbo_lsa_revived> <limbo_runs> <limbo_lsa_last_time_hwm> [<limbo_timer>] <helloq_size> <helloq_max_size> <helloq_hwm> <helloq_drops> <helloq_last_hwm_time> <floodq_size> <floodq_max_size> <floodq_hwm> <floodq_drops> <floodq_last_hwm_time> <lsdb_add_fail> [TABLE_buffer_detail [<buf_size>] [<buf_size_huge>] <buf_in_use> <buf_hwm> <buf_perm> <buf_alloc> <buf_free>]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Event counters
__readonly__	(Optional)
TABLE_stats	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
rid_change	(Optional)
dr_elections	(Optional)
older_lsa_recv	(Optional)

nbr_state_change	(Optional)
nbr_dead_postpone	(Optional)
nbr_dead_expire	(Optional)
nbr_bad_lsreq	(Optional)
nbr_seqno_mismatch	(Optional)
spf_full	(Optional)
spf_summary	(Optional)
spf_external	(Optional)
spf_extsummary	(Optional)
rtr_generate	(Optional)
rtr_refresh	(Optional)
rtr_flush	(Optional)
rtr_other_flush	(Optional)
net_generate	(Optional)
net_refresh	(Optional)
net_flush	(Optional)
net_other_flush	(Optional)
sum_generate	(Optional)
sum_refresh	(Optional)
sum_flush	(Optional)
sum_other_flush	(Optional)
asbr_generate	(Optional)
asbr_refresh	(Optional)
asbr_flush	(Optional)
asbr_other_flush	(Optional)
asext_generate	(Optional)
asext_refresh	(Optional)
asext_flush	(Optional)
asext_other_flush	(Optional)

opaque_link_generate	(Optional)
opaque_link_refresh	(Optional)
opaque_link_flush	(Optional)
opaque_link_other_flush	(Optional)
opaque_area_generate	(Optional)
opaque_area_refresh	(Optional)
opaque_area_flush	(Optional)
opaque_area_other_flush	(Optional)
opaque_as_generate	(Optional)
opaque_as_refresh	(Optional)
opaque_as_flush	(Optional)
opaque_as_other_flush	(Optional)
limbo_lsa_count	(Optional)
limbo_lsa_hwm	(Optional)
limbo_lsa_deleted	(Optional)
limbo_lsa_revived	(Optional)
limbo_runs	(Optional)
limbo_lsa_last_time_hwm	(Optional)
limbo_timer	(Optional)
helloq_size	(Optional)
helloq_max_size	(Optional)
helloq_hwm	(Optional)
helloq_drops	(Optional)
helloq_last_hwm_time	(Optional)
floodq_size	(Optional)
floodq_max_size	(Optional)
floodq_hwm	(Optional)
floodq_drops	(Optional)
floodq_last_hwm_time	(Optional)

lsdb_add_fail	(Optional)
TABLE_buffer_detail	(Optional)
buf_size	(Optional)
buf_size_huge	(Optional)
buf_in_use	(Optional)
buf_hwm	(Optional)
buf_perm	(Optional)
buf_alloc	(Optional)
buf_free	(Optional)

Command Mode

- /exec

show ip ospf summary-address

show ip ospf [<tag>] summary-address [private] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_ctx <ptag> <cname> <rid> [TABLE_sum <addr> <masklen> [<metric>] [<tag>] [<pending>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
summary-address	Summary-address redistribution information
private	(Optional) Developer-only statistics
tag	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
rid	(Optional)
TABLE_sum	(Optional)
addr	(Optional)
masklen	(Optional)
metric	(Optional)
pending	(Optional)

Command Mode

- /exec

show ip ospf traffic

show ip ospf [<tag>] traffic [<interface> [detail] | [detail] | [detail] vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_traf <ptag> <cname> <last_clear> [<ifname>] <pkt_in> <pkt_out> <lsu_first_trans> <lsu_retrans> <lsu_for_lsreq> <lsu_nbr_trans> <throttle_out> <throttle_out_token> <throttle_out_ip> <lsa_ignored> <lsa_dropped_spf> <lsa_dropped_gr> <pkt_drops_in> <pkt_drops_out> <pkt_errors_in> <pkt_errors_out> <hello_errors_in> <dbds_errors_in> <lsreqs_errors_in> <lsus_errors_in> <lsacks_errors_in> <pkt_unknown_in> <pkt_unknown_out> <pkt_no_ospf_intf> <bad_version> <bad_crc> <dup_rtr_id> <dup_src_addr> <invalid_src_addr> <invalid_dst_addr> <non_existing_nbr> <pkt_passive_intf> <wrong_area> <invalid_pkt_len> <nbr_changed_routerid_ipaddr> <nbr_changed_interfaceid> [<bad_auth>] [<bad_reserved>] [<pkt_no_vrf>] <hellos_in> <dbds_in> <lsreqs_in> <lsus_in> <lsacks_in> <hellos_out> <dbds_out> <lsreqs_out> <lsus_out> <lsacks_out> [<hellos_in_hq> <dbds_in_hq> <lsreqs_in_flq> <lsus_in_flq> <lsacks_in_flq> <lsas_in_dbds_in> <lsas_in_lsreqs_in> <lsas_in_lsus_in> <lsas_in_lsacks_in> <lsas_in_dbds_out> <lsas_in_lsreqs_out> <lsas_in_lsus_out> <lsas_in_lsacks_out> <lsas_in_rxmt_lsus_out>]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
interface	(Optional) OSPF enabled interface
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Packet counters
__readonly__	(Optional)
TABLE_traf	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
ifname	(Optional)
pkt_in	(Optional)

pkt_out	(Optional)
lsu_first_trans	(Optional)
lsu_retrans	(Optional)
lsu_for_lsreq	(Optional)
lsu_nbr_trans	(Optional)
throttle_out	(Optional)
throttle_out_token	(Optional)
throttle_out_ip	(Optional)
lsa_ignored	(Optional)
lsa_dropped_spf	(Optional)
lsa_dropped_gr	(Optional)
pkt_drops_in	(Optional)
pkt_drops_out	(Optional)
pkt_errors_in	(Optional)
pkt_errors_out	(Optional)
hello_errors_in	(Optional)
dbds_errors_in	(Optional)
lsreqs_errors_in	(Optional)
lsus_errors_in	(Optional)
lsacks_errors_in	(Optional)
pkt_unknown_in	(Optional)
pkt_unknown_out	(Optional)
pkt_no_ospf_intf	(Optional)
bad_version	(Optional)
bad_crc	(Optional)
dup_rtr_id	(Optional)
dup_src_addr	(Optional)
invalid_src_addr	(Optional)
invalid_dst_addr	(Optional)

non_existing_nbr	(Optional)
pkt_passive_intf	(Optional)
wrong_area	(Optional)
invalid_pkt_len	(Optional)
nbr_changed_routerid_ipaddr	(Optional)
nbr_changed_interfaceid	(Optional)
bad_auth	(Optional)
bad_reserved	(Optional)
pkt_no_vrf	(Optional)
hellos_in	(Optional)
dbds_in	(Optional)
lsreqs_in	(Optional)
lsus_in	(Optional)
lsacks_in	(Optional)
hellos_out	(Optional)
dbds_out	(Optional)
lsreqs_out	(Optional)
lsus_out	(Optional)
lsacks_out	(Optional)
hellos_in_hq	(Optional)
dbds_in_hq	(Optional)
lsreqs_in_flq	(Optional)
lsus_in_flq	(Optional)
lsacks_in_flq	(Optional)
lsas_in_dbds_in	(Optional)
lsas_in_lsreqs_in	(Optional)
lsas_in_lsus_in	(Optional)
lsas_in_lsacks_in	(Optional)
lsas_in_dbds_out	(Optional)

lsas_in_lsreqs_out	(Optional)
lsas_in_lsus_out	(Optional)
lsas_in_lsacks_out	(Optional)
lsas_in_rxmt_lsus_out	(Optional)

Command Mode

- /exec

show ip ospf traps-queue

show ip ospf [<tag>] traps-queue

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
traps-queue	Show all the priority traps queue parameters

Command Mode

- /exec

show ip ospf virtual-links

show ip ospf [<tag>] virtual-links [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_vlink <name> <nbr_rid> <if_state> <transit_area> <nh_intf> <nbr_addr> [<transit_area_stub>] [<transit_area_nssa>] <addr> [<masklen>] <area> [<if_cfg>] <state_str> <type_str> <cost> <index> [<passive>] [<mpls>] [<transmit_delay>] [<if_priority>] [<dr_rid>] [<dr_addr>] [<bdr_rid>] [<bdr_addr>] [<nbr_total>] [<nbr_flood>] [<nbr_adjs>] [<gr_nbr>] [<hello_interval>] [<dead_interval>] [<wait_interval>] [<rxmt_interval>] [<hello_timer>] [<wait_timer>] [<pacing_timer>] [<lsu_timer>] [<lsack_timer>] [<netlsa_throt_timer>] [<auth_type>] [<keychain_name>] [<keychain_ready>] [<auth_md5_keyid>] [<link_lsa_cnt>] [<link_lsa_crc>] [<dc_enabled>] [<state>] [<transition>] [<lastchange>] [<priority>] [<ifid>] [<dr>] [<bdr>] [<master>] [<seqno>] [<dbdallsentacked>] [<dbdallsent>] [<dbdallacked>] [<lsaonreqlist>] [<lsafromlastreq>] [<lsreqrxmts>] [<helloptions>] [<dbdoptions>] [<lastnonhello>] [<deadtimer>] [<pacingtimer>] [<dbdrxmtimer>] [<reqrxmtimer>] [<lsutimer>] [<rerxmtimer>] [<fastrerxmtimer>] [<lsacktimer>] [<grtimer>] [<helpermode>] [<helpercand>] [<helperterm>] [<senddbd>] [<sendlsreq>] [<sendlsu>] [<sendlsurxmt>] [<sendlsack>] [<sendlsreqreply>]]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_vlink	(Optional)
name	(Optional)
nbr_rid	(Optional)
if_state	(Optional)
transit_area	(Optional)

nh_intf	(Optional)
dc_enabled	(Optional)
nbr_addr	(Optional)
transit_area_stub	(Optional)
transit_area_nssa	(Optional)
addr	(Optional)
masklen	(Optional)
area	(Optional)
if_cfg	(Optional)
state_str	(Optional)
type_str	(Optional)
cost	(Optional)
index	(Optional)
passive	(Optional)
mpls	(Optional)
transmit_delay	(Optional)
if_priority	(Optional)
dr_rid	(Optional)
dr_addr	(Optional)
bdr_rid	(Optional)
bdr_addr	(Optional)
nbr_total	(Optional)
nbr_flood	(Optional)
nbr_adjs	(Optional)
gr_nbr	(Optional)
hello_interval	(Optional)
dead_interval	(Optional)
wait_interval	(Optional)
rxmt_interval	(Optional)

hello_timer	(Optional)
wait_timer	(Optional)
pacing_timer	(Optional)
lsu_timer	(Optional)
lsack_timer	(Optional)
netlsa_throt_timer	(Optional)
auth_type	(Optional)
keychain_name	(Optional)
keychain_ready	(Optional)
auth_md5_keyid	(Optional)
link_lsa_cnt	(Optional)
link_lsa_crc	(Optional)
state	(Optional)
transition	(Optional)
lastchange	(Optional)
priority	(Optional)
ifid	(Optional)
dr	(Optional)
bdr	(Optional)
master	(Optional)
seqno	(Optional)
dbdallsentacked	(Optional)
dbdallsent	(Optional)
dbdallacked	(Optional)
lsaonreqlist	(Optional)
lsafromlastreq	(Optional)
lsreqrxmts	(Optional)
helloptions	(Optional)
dbdoptions	(Optional)

lastnonhello	(Optional)
deadtimer	(Optional)
pacingtimer	(Optional)
dbdrxmtimer	(Optional)
reqrxmtimer	(Optional)
lsutimer	(Optional)
rerxmtimer	(Optional)
fastrerxmtimer	(Optional)
lsacktimer	(Optional)
grtimer	(Optional)
helpermode	(Optional)
helpercand	(Optional)
helperterm	(Optional)
senddbd	(Optional)
sendlsreq	(Optional)
sendlsu	(Optional)
sendlsurxmt	(Optional)
sendlsack	(Optional)
sendlsreqreply	(Optional)

Command Mode

- /exec

show ip ospf virtual-links brief

show ip ospf [<tag>] virtual-links brief [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> <vlink_count> [TABLE_vlink <nbr_rid> <vlink_num> <transit_area> <cost> <if_state>]]

Syntax Description

show	Show running system information
ip	Display IP information
ospf	Display OSPF status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
brief	Display summary of OSPF virtual links
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
vlink_count	(Optional)
TABLE_vlink	(Optional)
nbr_rid	(Optional)
vlink_num	(Optional)
transit_area	(Optional)
cost	(Optional)
if_state	(Optional)

Command Mode

- /exec

show ip overlay-traffic

show ip overlay-traffic

Syntax Description

show	Show running system information
ip	Display IP information
overlay-traffic	Display IP overlay software processed traffic statistics

Command Mode

- /exec

show ip pim bitfield

show ip pim bitfield

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
bitfield	Display compressed bitfield details

Command Mode

- /exec

show ip pim config-sanity

show ip pim config-sanity [__readonly__ [TABLE_vrf <out-context> [TABLE_RP <rp-addr> [{ <rperr-count><rp-interface><rp-error> }]] [TABLE_ANYCAST [{ <arperr-count> <anycastrp-addr> [<arp-interface>] <arp-error> [<configure-as-RP>] }] [TABLE_MEMBER [{ <memerr-count> [<mem-interface>] <mem-error> }]] <found>] [TABLE_BSR [{ <rp-cand-count> [<rp-cand-interface>] <rp-cand-error> }] [{ <bsr-cand-count> [<bsr-cand-interface>] <bsr-cand-error> }]] [TABLE_AUTORP [{ <rp-cand-count> [<rp-cand-interface>] <rp-cand-error> }] [{ <auto-cand-count> [<auto-cand-interface>] <auto-cand-error> }]]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
config-sanity	Configuration Sanity check
__readonly__	(Optional)
TABLE_vrf	(Optional)
out-context	(Optional)
TABLE_RP	(Optional)
rp-addr	(Optional)
TABLE_ANYCAST	(Optional)
arperr-count	(Optional)
anycastrp-addr	(Optional)
arp-interface	(Optional)
arp-error	(Optional)
configure-as-RP	(Optional)
TABLE_MEMBER	(Optional)
memerr-count	(Optional)
mem-interface	(Optional)
mem-error	(Optional)
found	(Optional)
TABLE_BSR	(Optional)
rp-cand-count	(Optional)

rp-cand-interface	(Optional)
rp-cand-error	(Optional)
bsr-cand-count	(Optional)
bsr-cand-interface	(Optional)
bsr-cand-error	(Optional)
TABLE_AUTORP	(Optional)
rp-cand-count	(Optional)
rp-cand-interface	(Optional)
rp-cand-error	(Optional)
auto-cand-count	(Optional)
auto-cand-interface	(Optional)
auto-cand-error	(Optional)

Command Mode

- /exec

show ip pim df

show ip pim df [<rp-or-group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [internal] [__readonly__ [TABLE_ctx [<out-context>] [TABLE_rp [<rp-addr>] [<df-ordinal>] [<df-bits>] [<df-bits-count>] [<metric-pref>] [<metric>] [TABLE_grange [<grange-grp>] [<grange-masklen>]] [TABLE_iod [<if-name>] [<df-winner>] [<df-state>] [<winner-metric-pref>] [<winner-metric>] [<uptime>] [<is-rpf>]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
df	Display Bidir Designated Forwarders
rp-or-group	(Optional) Display for a single RP or group address
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
internal	(Optional) Commands for internal use
__readonly__	(Optional)
TABLE_ctx	(Optional)
out-context	(Optional)
TABLE_rp	(Optional)
rp-addr	(Optional)
df-ordinal	(Optional)
df-bits	(Optional)
df-bits-count	(Optional)
metric-pref	(Optional)
metric	(Optional)
TABLE_grange	(Optional)
grange-grp	(Optional)
grange-masklen	(Optional)

TABLE_iod	(Optional)
if-name	(Optional)
df-winner	(Optional)
df-state	(Optional)
winner-metric-pref	(Optional)
winner-metric	(Optional)
uptime	(Optional)
is-rpf	(Optional)

Command Mode

- /exec

show ip pim event-history

show ip pim [internal] event-history { errors | msgs | <pim-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
internal	(Optional) Commands for internal use
event-history	Show various event logs of PIM
errors	Show error logs of PIM
msgs	Show various message logs of PIM
pim-event-hist-buf-name	Show event hist buffer name
statistics	Show the state and size of the buffer

Command Mode

- /exec

show ip pim fabric info

show ip pim fabric info [__readonly__ <switch_role> <fabric_ctrl_addr> <peer_fabric_ctrl_infra> <vpc_domain_id> <peer_fabric_ctrl_addr>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
info	show the fabric info
__readonly__	(Optional)
switch_role	(Optional)
fabric_ctrl_addr	(Optional)
peer_fabric_ctrl_infra	(Optional)
vpc_domain_id	(Optional)
peer_fabric_ctrl_addr	(Optional)

Command Mode

- /exec

show ip pim fabric legacy-vlans

show ip pim fabric legacy-vlans [__readonly__ TABLE_legacy_vlan <vlan_id>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch
__readonly__	(Optional)
TABLE_legacy_vlan	(Optional)
vlan_id	(Optional)

Command Mode

- /exec

show ip pim group-range

show ip pim group-range [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_vrf <out-context> [{ TABLE_group <grp-addr> [<invalid-grp>] [<action>] [<mode>] [<rp-addr>] [<sh-tree-only-range>] [<origin>] }]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
group-range	Display the various group-ranges
group	(Optional) IP address of group to display
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out-context	(Optional)
TABLE_group	(Optional)
invalid-grp	(Optional)
grp-addr	(Optional)
mode	(Optional)
rp-addr	(Optional)
sh-tree-only-range	(Optional)
action	(Optional)
origin	(Optional)

Command Mode

- /exec

show ip pim host-proxy

show ip pim host-proxy [__readonly__ TABLE_intf <intf-name>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
host-proxy	host-proxy
__readonly__	(Optional)
TABLE_intf	(Optional)
intf-name	(Optional)

Command Mode

- /exec

show ip pim interface

show ip pim interface [<interface>] [brief] [vrf { <vrf-name> | <vrf-known-name> | all }] [internal] [__readonly__ [<is-pim-enabled>] [TABLE_vrf [<out-context>] [TABLE_brief [<if-name>] [<if-addr>] [<if-dr>] [<if-nbr-count>] [<if-is-border>]] [TABLE_iod [<if-name>] [<if-status>] [<cached_if_status>] [<if-addr-summary>] [<pim-dr-address>] [<dr-priority>] [<no-dr-priority>] [<nbr-cnt>] [<hello-interval-sec>] [<hello-interval-msec>] [<hello-timer>] [<holdtime-msec>] [<holdtime-sec>] [<if-conf-dr-priority>] [<if-conf-delay>] [<is-border>] [<genid>] [<isauth-config>] [<nbr-policy-name>] [<jp-in-policy-name>] [<jp-out-policy-name>] [<jp-interval>] [<jp-next-send>] [<pim-bfd-enabled>] [<is-passive>] [<is-pim-vpc-svi>] [<is-auto-enabled>] [<vpc-peer-nbr>] [<last-cleared>] [<hello-sent>] [<hello-rcvd>] [<hello-early-sent>] [<jp-sent>] [<jp-rcvd>] [<assert-sent>] [<assert-rcvd>] [<graft-sent>] [<graft-rcvd>] [<graft-ack-sent>] [<graft-ack-rcvd>] [<df-offer-sent>] [<df-offer-rcvd>] [<df-winner-sent>] [<df-winner-rcvd>] [<df-backoff-sent>] [<df-backoff-rcvd>] [<pass-sent>] [<pass-rcvd>] [<cksum-errors>] [<invalid-errors>] [<invalid-df-errors>] [<auth-failed>] [<pak-len-errors>] [<ver-errors>] [<pkts-self>] [<pkts-non-nbr>] [<pkts-on-passive>] [<jp-rcvd-on-rpf>] [<jp-rcvd-no-rp>] [<jp-rcvd-wrong-rp>] [<jp-rcvd-for-ssm>] [<jp-rcvd-for-bidir>] [<jp-in-policy-filter>] [<jp-out-policy-filter>] [<ecmp-redirect-sent>] [<ecmp-redirect-recv>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
interface	Display PIM interface related information
interface	(Optional) Interface name of single interface to display
brief	(Optional) Display one line status per interface
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
internal	(Optional) Commands for internal use
__readonly__	(Optional)
is-pim-enabled	(Optional)
TABLE_vrf	(Optional)
out-context	(Optional)
TABLE_brief	(Optional)
if-name	(Optional)

if-addr	(Optional)
if-dr	(Optional)
if-nbr-count	(Optional)
if-is-border	(Optional)
TABLE_iod	(Optional)
if-name	(Optional)
if-status	(Optional)
cached_if_status	(Optional)
if-addr-summary	(Optional)
pim-dr-address	(Optional)
dr-priority	(Optional)
no-dr-priority	(Optional)
nbr-cnt	(Optional)
hello-interval-sec	(Optional)
hello-interval-msec	(Optional)
hello-timer	(Optional)
holdtime-msec	(Optional)
holdtime-sec	(Optional)
if-conf-dr-priority	(Optional)
if-conf-delay	(Optional)
is-border	(Optional)
genid	(Optional)
isauth-config	(Optional)
nbr-policy-name	(Optional)
jp-in-policy-name	(Optional)
jp-out-policy-name	(Optional)
jp-interval	(Optional)
jp-next-send	(Optional)
pim-bfd-enabled	(Optional)

is-passive	(Optional)
is-pim-vpc-svi	(Optional)
is-auto-enabled	(Optional)
vpc-peer-nbr	(Optional)
last-cleared	(Optional)
hello-sent	(Optional)
hello-rcvd	(Optional)
hello-early-sent	(Optional)
jp-sent	(Optional)
jp-rcvd	(Optional)
assert-sent	(Optional)
assert-rcvd	(Optional)
graft-sent	(Optional)
graft-rcvd	(Optional)
graft-ack-sent	(Optional)
graft-ack-rcvd	(Optional)
df-offer-sent	(Optional)
df-offer-rcvd	(Optional)
df-winner-sent	(Optional)
df-winner-rcvd	(Optional)
df-backoff-sent	(Optional)
df-backoff-rcvd	(Optional)
pass-sent	(Optional)
pass-rcvd	(Optional)
cksum-errors	(Optional)
invalid-errors	(Optional)
invalid-df-errors	(Optional)
auth-failed	(Optional)
pak-len-errors	(Optional)

ver-errors	(Optional)
pkts-self	(Optional)
pkts-non-nbr	(Optional)
pkts-on-passive	(Optional)
jp-rcvd-on-rpf	(Optional)
jp-rcvd-no-rp	(Optional)
jp-rcvd-wrong-rp	(Optional)
jp-rcvd-for-ssm	(Optional)
jp-rcvd-for-bidir	(Optional)
jp-in-policy-filter	(Optional)
jp-out-policy-filter	(Optional)
ecmp-redirect-sent	(Optional)
ecmp-redirect-recv	(Optional)

Command Mode

- /exec

show ip pim mdt

show ip pim mdt [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <out_context> <mti> <mti_status> <default_mdt_grp> <grp_mode> <asm_shared_tree> <mti_config_mtu> <mti_active_mtu> <cfg_tunnel_src_if> <bgp_update_src_if> <hello_interval> <jp_interval> <data_mdt_join_interval> <data_switchover_interval> <data_holddown_interval> <data_timeout_interval> <mdt_src> <mdt_src_if> <bgp_rd> <bgp_rd_set> <send_join_count> <rcvd_join_count> { TABLE_data_mdt <grange_prefix> <grange_mask_len> <threshold> [<policy_name>] }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
mti	(Optional)
mti_status	(Optional)
default_mdt_grp	(Optional)
grp_mode	(Optional)
asm_shared_tree	(Optional)
mti_config_mtu	(Optional)
mti_active_mtu	(Optional)
cfg_tunnel_src_if	(Optional)
bgp_update_src_if	(Optional)
hello_interval	(Optional)
jp_interval	(Optional)

data_mdt_join_interval	(Optional)
data_switchover_interval	(Optional)
data_holddown_interval	(Optional)
data_timeout_interval	(Optional)
mdt_src	(Optional)
mdt_src_if	(Optional)
bgp_rd	(Optional)
bgp_rd_set	(Optional)
send_join_count	(Optional)
rcvd_join_count	(Optional)
TABLE_data_mdt	(Optional)
grange_prefix	(Optional)
grange_mask_len	(Optional)
threshold	(Optional)
policy_name	(Optional)

Command Mode

- /exec

show ip pim mdt bgp

show ip pim mdt bgp [mdt-source <src-addr>] [__readonly__ { TABLE_entry <bgp_rd> <mdt_src> <mdt_grp> <local> }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
bgp	Display BGP related information
mdt-source	(Optional) Source address of MVPN neighbor
src-addr	(Optional) Source Address
__readonly__	(Optional)
TABLE_entry	(Optional)
bgp_rd	(Optional)
mdt_src	(Optional)
mdt_grp	(Optional)
local	(Optional)

Command Mode

- /exec

show ip pim mdt history interval

show ip pim mdt history interval <min> [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <out_context> [{ TABLE_entry <csrc> <cgrp> <psrc> <pgrp> <uptime> <send_count> }]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
history	Display MDT Data Join Send Histoy
interval	Display in specified interval
min	Minutes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_entry	(Optional)
csrc	(Optional)
cgrp	(Optional)
psrc	(Optional)
pgrp	(Optional)
uptime	(Optional)
send_count	(Optional)

Command Mode

- /exec

show ip pim mdt receive

show ip pim mdt receive [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf [<out_context>] [TABLE_entry [<csrc>] [<cgrp>] [<psrc>] [<pgrp>] [<uptime>] [<expires>] [<recv_count>]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
receive	Display Received Data Joins Information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_entry	(Optional)
csrc	(Optional)
cgrp	(Optional)
psrc	(Optional)
pgrp	(Optional)
uptime	(Optional)
expires	(Optional)
recv_count	(Optional)

Command Mode

- /exec

show ip pim mdt send

show ip pim mdt send [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <out_context> [{ TABLE_entry <csrc> <cgrp> <psrc> <pgrp> <uptime> <send_count> }]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
mdt	Display MDT information
send	Display MDT Data Join Send Information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_entry	(Optional)
csrc	(Optional)
cgrp	(Optional)
psrc	(Optional)
pgrp	(Optional)
uptime	(Optional)
send_count	(Optional)

Command Mode

- /exec

show ip pim neighbor

show ip pim neighbor { [<interface>] | [<ipaddr>] } [vrf { <vrf-name> | <vrf-known-name> | all }] [detail | internal] [__readonly__ [TABLE_vrf <out-context> [TABLE_neighbor <nbr-addr><if-name><uptime><expires> [<dr-priority>] <bidir-capable><bfd-state> [<longest-hello-intvl><non-hello-pkts>] [<ecmp-redirect-capable>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
neighbor	Display PIM neighbor related information
interface	(Optional) Display neighbors on single interface name
ipaddr	(Optional) IP address of single neighbor to display
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display detailed information
internal	(Optional) Commands for internal use
__readonly__	(Optional)
TABLE_vrf	(Optional)
out-context	(Optional)
TABLE_neighbor	(Optional)
dr-priority	(Optional)
ecmp-redirect-capable	(Optional)

Command Mode

- /exec

show ip pim oif-list

show ip pim oif-list <group> [<source>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name> { TABLE_grp <mcast-addrs> <incoming-intf> <rpf-nbr> <timeout-interval> <oif-list-count> [{ TABLE_oiflist <oif-name> }] <timeout-list-count> [{ TABLE_timeoutlist <timeoutoif-name> }] <immediate-list-count> [{ TABLE_immediatelist <immediateoif-name> }] <immediate-timeout-list-count> [{ TABLE_immediatetimeoutlist <immediatetimeoutoif-name> }] <sgr-prune-list-count> [{ TABLE_sgrprunelist <sgrprunelistoif-name> }] }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
oif-list	Display interfaces for oif-list of PIM route
source	(Optional) Source address to display
group	Group address to display
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_grp	(Optional)
mcast-addrs	(Optional)
incoming-intf	(Optional)
rpf-nbr	(Optional)
timeout-interval	(Optional)
oif-list-count	(Optional)
TABLE_oiflist	(Optional)
oif-name	(Optional)
timeout-list-count	(Optional)

TABLE_timeoutlist	(Optional)
timeoutoif-name	(Optional)
immediate-list-count	(Optional)
TABLE_immediatelist	(Optional)
immediateoif-name	(Optional)
immediate-timeout-list-count	(Optional)
TABLE_immediatetimeoutlist	(Optional)
immediatetimeoutoif-name	(Optional)
sgr-prune-list-count	(Optional)
TABLE_sgrprunelist	(Optional)
sgrprunelistoif-name	(Optional)

Command Mode

- /exec

show ip pim policy statistics

show ip pim policy statistics { register-policy | bsr { bsr-policy | rp-candidate-policy } | auto-rp { rp-candidate-policy | mapping-agent-policy } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_routemap <name> <action> <seq_num> [{ TABLE_cmd <command> <match_count> <compare_count> }] } <total_accept_count> <total_reject_count>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
register-policy	Show statistics for register-policy
bsr	Bootstrap protocol RP-distribution policy
bsr-policy	Statistics for filtered BSR messages
rp-candidate-policy	Statistics for filtered RP candidate messages
auto-rp	Statistics for auto-rp messages
rp-candidate-policy	Statistics for filtered RP candidate messages
mapping-agent-policy	Statistics for filtered mapping agent messages
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_routemap	(Optional)
name	(Optional)
action	(Optional)
seq_num	(Optional)
TABLE_cmd	(Optional)
command	(Optional)

compare_count	(Optional)
match_count	(Optional)
total_accept_count	(Optional)
total_reject_count	(Optional)

Command Mode

- /exec

show ip pim policy statistics jp

show ip pim policy statistics { jp-policy | neighbor-policy } <interface> [__readonly__ { TABLE_routemap <name> <action> <seq_num> [{ TABLE_cmd <command> <match_count> <compare_count> }] } <total_accept_count> <total_reject_count>]

Syntax Description

show	Show running system information
ip	Display IP information
pim	PIM global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
interface	Interface to display policy statistics for
__readonly__	(Optional)
TABLE_routemap	(Optional)
name	(Optional)
action	(Optional)
seq_num	(Optional)
TABLE_cmd	(Optional)
command	(Optional)
compare_count	(Optional)
match_count	(Optional)
total_accept_count	(Optional)
total_reject_count	(Optional)

Command Mode

- /exec

show ip pim route

show ip pim route [[<source> [<group>]] | [<group> [<source>]]] [bitfield] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_vrf [<context-name>] [<route-count>] [TABLE_one_route [<mcast-addrs>] [<rp-addr>] [<rp-local>] [<bidir>] [<sgexpire>] [<sgrexpire>] [<timeleft>] [<rp-bit>] [<register>] [<intf-name>] [<rpf-nbr-1>] [<rpf-nbr-addr>] [<intf-name-2>] [<rpf-nbr-2>] [<uptime>] [<is-attached>] [<is-static>] [<zero-nonpim-oifs>] [<is-external>] [<otv-decap>] [<otv-router-mode>] [<non-dr-oifs-only>] [<data-created>] [<mdt-encap>] [<mdt-decap>] [<vxlan-decap>] [<vxlan-encap>] [<sw-pkts>] [<sw-bytes>] [<hw-pkts>] [<hw-bytes>] [<rpf-src>] [<mrib-rpf-notify>] [<add-pending>] [<aged-route>] [<sg-expiry-cfg>] [<jp-holdtime>] [<route-metric-internal>] [<metric-pref-internal>] [<delay-register-stop>] [<register-stop-rcvd>] [<lisp-src-rloc>] [TABLE_lisp_encap [<encap-src-rloc>] [<encap-dst-rloc>] [<timeout-count>] [<add-pending>] [<del-pending>]] [<oif-count>] [<oif-bf-str>] [<timeout-count>] [<timeout-bf-str>] [<immediate-count>] [<immediate-bf-str>] [<immediate-timeout-count>] [<immediate-timeout-bf-str>] [<sgr-prune-list-count>] [<sgr-prune-list-bf-str>] [<timeout-interval>] [<jp-holdtime-rndup>] [<mdt-encap-index>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
route	Display PIM specific route information
group	(Optional) Group address to display
source	(Optional) Source address to display
bitfield	(Optional) Display details of each bitfield for PIM route
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
context-name	(Optional)
route-count	(Optional)
TABLE_one_route	(Optional)
mcast-addrs	(Optional)
rp-addr	(Optional)

rp-local	(Optional)
bidir	(Optional)
sgexpire	(Optional)
sgrexpire	(Optional)
timeleft	(Optional)
rp-bit	(Optional)
register	(Optional)
intf-name	(Optional)
rpf-nbr-1	(Optional)
rpf-nbr-addr	(Optional)
intf-name-2	(Optional)
rpf-nbr-2	(Optional)
uptime	(Optional)
is-attached	(Optional)
is-static	(Optional)
zero-nonpim-oifs	(Optional)
is-external	(Optional)
otv-decap	(Optional)
otv-router-mode	(Optional)
non-dr-oifs-only	(Optional)
data-created	(Optional)
mdt-encap	(Optional)
mdt-decap	(Optional)
vxlan-decap	(Optional)
vxlan-encap	(Optional)
sw-pkts	(Optional)
sw-bytes	(Optional)
hw-pkts	(Optional)
hw-bytes	(Optional)

rpf-src	(Optional)
mrib-rpf-notify	(Optional)
add-pending	(Optional)
aged-route	(Optional)
sg-expiry-cfg	(Optional)
jp-holdtime	(Optional)
route-metric-internal	(Optional)
metric-pref-internal	(Optional)
delay-register-stop	(Optional)
register-stop-rcvd	(Optional)
lisp-src-rloc	(Optional)
TABLE_lisp_encap	(Optional)
encap-src-rloc	(Optional)
encap-dst-rloc	(Optional)
timeout-count	(Optional)
add-pending	(Optional)
del-pending	(Optional)
oif-count	(Optional)
oif-bf-str	(Optional)
timeout-count	(Optional)
timeout-bf-str	(Optional)
immediate-count	(Optional)
immediate-bf-str	(Optional)
immediate-timeout-count	(Optional)
immediate-timeout-bf-str	(Optional)
sgr-prune-list-count	(Optional)
sgr-prune-list-bf-str	(Optional)
timeout-interval	(Optional)
jp-holdtime-rndup	(Optional)

mdt-encap-index	(Optional)

Command Mode

- /exec

show ip pim rp-hash

show ip pim rp-hash <group> [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <out-context> [<rp-found>] [<is-rp-bsr-learnt>] [<out-group1> <rp-addr1>] [<out-group> <hash-length> <out-bsr>] [{ TABLE_rp <rp-addr> <hash> <isbest_hash> }]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
rp-hash	Display RP hash value for group
group	Group address for RP lookup
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-context	(Optional)
rp-found	(Optional)
is-rp-bsr-learnt	(Optional)
out-group1	(Optional)
rp-addr1	(Optional)
out-group	(Optional)
hash-length	(Optional)
out-bsr	(Optional)
TABLE_rp	(Optional)
rp-addr	(Optional)
hash	(Optional)
isbest_hash	(Optional)

Command Mode

- /exec

show ip pim rp

show ip pim rp [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [internal] [__readonly__ [TABLE_vrf <out-context> [<is-bsr-enabled>] [<is-bsr-listen-only>] [<is-bsr-forward-only>] [<bsr-address>] [<is-bsr-local>] [<bs-timer>] [<bsr-uptime>] [<bsr-expires>] [<bsr-priority>] [<bsr-hash-masklen>] [<is-autorp-enabled>] [<is-autorp-listen-only>] [<is-autorp-forward-only>] [<auto-rp-addr>] [<is-autorp-local>] [<autorp-dis-timer>] [<autorp-cand-address>] [<autorp-up-time>] [<autorp-expire-time>] [<rp-cand-policy-name>] [<bsr-policy-name>] [<rp-announce-policy-name>] [<rp-discovery-policy-name>] [TABLE_anycast_rp <anycast-rp-addr> [TABLE_arp_rp <arp-rp-addr> <is-rpaddr-local>]] [TABLE_rp [<rp-addr>] [<is-rp-local>] [<df-ordinal>] [<rp-uptime>] [<rp-priority>] [<is_autorp_source>] [<is_bsr_source>] [<is_static_source>] [<rp-source>] [<static-rp-group-map>] [TABLE_grange [<grange-grp>] [<grange-masklen>] [<grange-is-deny>] [<is-bidir-grp>] [<autorp-expires>] [<bsr-rp-expires>] [<rp-owner-flags>]] [[<bidir-ordinal>] [<df-bits-recovered>] [<rpf-nbr-address>] [<metric>] [<metric-preference>]]]]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
rp	Display PIM RP, Auto-RP, and BSR related information
group	(Optional) Display RP for group address
internal	(Optional) Commands for internal use
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out-context	(Optional)
is-bsr-enabled	(Optional)
is-bsr-listen-only	(Optional)
is-bsr-forward-only	(Optional)
bsr-address	(Optional)
is-bsr-local	(Optional)
bsr-priority	(Optional)

bsr-hash-masklen	(Optional)
bs-timer	(Optional)
bsr-uptime	(Optional)
bsr-expires	(Optional)
is-autorp-enabled	(Optional)
is-autorp-listen-only	(Optional)
is-autorp-forward-only	(Optional)
auto-rp-addr	(Optional)
autorp-cand-address	(Optional)
is-autorp-local	(Optional)
autorp-dis-timer	(Optional)
autorp-up-time	(Optional)
autorp-expire-time	(Optional)
rp-cand-policy-name	(Optional)
bsr-policy-name	(Optional)
rp-announce-policy-name	(Optional)
rp-discovery-policy-name	(Optional)
TABLE_anycast_rp	(Optional)
anycast-rp-addr	(Optional)
TABLE_arp_rp	(Optional)
arp-rp-addr	(Optional)
is-rpaddr-local	(Optional)
TABLE_rp	(Optional)
rp-addr	(Optional)
is-rp-local	(Optional)
df-ordinal	(Optional)
rp-uptime	(Optional)
rp-priority	(Optional)
is_autorp_source	(Optional)

is_bsr_source	(Optional)
is_static_source	(Optional)
rp-source	(Optional)
static-rp-group-map	(Optional)
TABLE_grange	(Optional)
grange-grp	(Optional)
grange-masklen	(Optional)
grange-is-deny	(Optional)
is-bidir-grp	(Optional)
autorp-expires	(Optional)
bsr-rp-expires	(Optional)
rp-owner-flags	(Optional)
bidir-ordinal	(Optional)
df-bits-recovered	(Optional)
rpf-nbr-address	(Optional)
metric	(Optional)
metric-preference	(Optional)

Command Mode

- /exec

show ip pim statistics

show ip pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name> [<uptime> <reg-sent> <reg-rcvd> <null-reg-sent> <null-reg-rcvd> <reg-stop-sent> <reg-stop-rcvd> <reg-rcvd-not-rp> <reg-rcvd-for-ssm> <reg-rcvd-for-bidir> <bootstrap-sent> <bootstrap-rcvd> <cand-rp-sent> <cand-rp-rcvd> <bs-no-nbr> <bs-border-deny> <bs-len-errors> <bs-rpf-failed> <bs-no-listen> <candrp-border-deny> <candrp-no-listen> <autorp-announce-sent> <autorp-announce-rcvd> <autorp-discovery-sent> <autorp-discovery-rcvd> <autorp-rpf-failed> <autorp-border-deny> <autorp-invalid-type> <autorp-ttl-expired> <autorp-no-listen> <ctrl-no-route> <data-no-route> <no-state> <create-state>]]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
statistics	Packet counter statistics
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
uptime	(Optional)
reg-sent	(Optional)
reg-rcvd	(Optional)
null-reg-sent	(Optional)
null-reg-rcvd	(Optional)
reg-stop-sent	(Optional)
reg-stop-rcvd	(Optional)
reg-rcvd-not-rp	(Optional)
reg-rcvd-for-ssm	(Optional)
reg-rcvd-for-bidir	(Optional)

bootstrap-sent	(Optional)
bootstrap-rcvd	(Optional)
cand-rp-sent	(Optional)
cand-rp-rcvd	(Optional)
bs-no-nbr	(Optional)
bs-border-deny	(Optional)
bs-len-errors	(Optional)
bs-rpf-failed	(Optional)
bs-no-listen	(Optional)
candrp-border-deny	(Optional)
candrp-no-listen	(Optional)
autorp-announce-sent	(Optional)
autorp-announce-rcvd	(Optional)
autorp-discovery-sent	(Optional)
autorp-discovery-rcvd	(Optional)
autorp-rpf-failed	(Optional)
autorp-border-deny	(Optional)
autorp-invalid-type	(Optional)
autorp-ttl-expired	(Optional)
autorp-no-listen	(Optional)
ctrl-no-route	(Optional)
data-no-route	(Optional)
no-state	(Optional)
create-state	(Optional)

Command Mode

- /exec

show ip pim vrf

show ip pim vrf [{ <vrf-name> | <vrf-known-name> | all }] [detail | internal] [__readonly__ { TABLE_context <out-context> <context-id> <count> <table-id> <bfd> <mvpn> }]

Syntax Description

show	Show running system information
ip	Display IP information
pim	Display PIM status and configuration
vrf	Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM is configured for
detail	(Optional) Display detailed information
internal	(Optional) VRF related internal information
__readonly__	(Optional)
TABLE_context	(Optional)
out-context	(Optional)
context-id	(Optional)
table-id	(Optional)
count	(Optional)
bfd	(Optional)
mvpn	(Optional)

Command Mode

- /exec

show ip ping source-interface

show ip ping source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_ippingvrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_ippingvrf	(Optional) source interface of ping
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip ping source-interface vrf all

show ip ping source-interface vrf all [__readonly__ [{ TABLE_ipping <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ping	Display ping client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipping	(Optional) source interface of ping
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip policy

show ip policy [vrf { <vrf-name> | <vrf-known-name> | all }] [detail] [__readonly__ { TABLE_pbr [<interface>] [<rmap>] [<status>] [<vrf_name>] }]

Syntax Description

show	Show running system information
ip	Display IP information
policy	Policy routing
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_pbr	(Optional)
interface	(Optional)
rmap	(Optional)
status	(Optional)
vrf_name	(Optional)

Command Mode

- /exec

show ip prefix-list

show ip prefix-list { { [detail | summary] [<ipv4-pfl-name> | <ipv4-pfl-cfg-name>] } | { { <ipv4-pfl-name> | <ipv4-pfl-cfg-name> } seq <seq-no> } | { { <ipv4-pfl-name> | <ipv4-pfl-cfg-name> } <prefix> [first-match | longer] } } [__readonly__ TABLE_ip_pfl <name> <seq> <action> <rule>]

Syntax Description

show	Show running system information
ip	Display IP information
detail	(Optional) Show detailed information
summary	(Optional) Show summarized information
prefix-list	List IP prefix lists
ipv4-pfl-name	(Optional) Name of prefix-list
ipv4-pfl-cfg-name	(Optional) Known prefix-list name
seq	Sequence number
seq-no	Sequence number
prefix	IP prefix network/length, e.g., 35.0.0.0/8
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries
__readonly__	(Optional)
TABLE_ip_pfl	(Optional)
name	(Optional)
seq	(Optional)
action	(Optional)
rule	(Optional)

Command Mode

- /exec

show ip process

show ip process [api] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_ip_pro_vrf [{ <pro-cntxt-name> <pro-cntxt-id> <pro-base-tid> <pro-auto-disc> <pro-atuo-add> <pro-null-bcast> <auto-punt-bcast> <static-disc> <static-def-route> <ip-unreach> }] [TABLE_pro_api [<api-vrf> <api-cntxt-id> <api-base-tid> <api-ip-addr> <api-rtr-id-iod>]] [TABLE_iod [{ <entry-iod> }]] [TABLE_local_addr [{ <local-addr> }]]] [TABLE_ip_pro_all { <all-pro-cntxt-name> <all-pro-cntxt-id> }]]

Syntax Description

show	Show running system information
ip	Display IP information
process	Display IP global information
api	(Optional) Show api values
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_ip_pro_vrf	(Optional)
pro-cntxt-name	(Optional)
pro-cntxt-id	(Optional)
pro-base-tid	(Optional)
pro-auto-disc	(Optional)
pro-atuo-add	(Optional)
pro-null-bcast	(Optional)
auto-punt-bcast	(Optional)
static-disc	(Optional)
static-def-route	(Optional)
ip-unreach	(Optional)
TABLE_pro_api	(Optional)
api-vrf	(Optional)

api-cntxt-id	(Optional)
api-base-tid	(Optional)
api-ip-addr	(Optional)
api-rtr-id-iod	(Optional)
TABLE_iod	(Optional)
entry-iod	(Optional)
TABLE_local_addr	(Optional)
local-addr	(Optional)
TABLE_ip_pro_all	(Optional)
all-pro-cntxt-name	(Optional)
all-pro-cntxt-id	(Optional)

Command Mode

- /exec

show ip rip

show { ipv6 | ip } rip [instance <inst>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_inst <inst-name> TABLE_vrf <vrf> <port> <mcast-grp> <admin-dist> <update-tmr> <expire-tmr> <garbage-tmr> <def-metric> <max-paths> <def-rt-distrib> <def-distrib-always> <process-disabled> <out-of-mem> [TABLE_afi <af> { TABLE_interface <if-name> } TABLE_redistrib <redistributing> { TABLE_clients <pibname> <policy> }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
inst	(Optional) Process ID
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_inst	(Optional)
inst-name	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
port	(Optional)
mcast-grp	(Optional)
admin-dist	(Optional)
update-tmr	(Optional)
expire-tmr	(Optional)
garbage-tmr	(Optional)
def-metric	(Optional)
max-paths	(Optional)

def-rt-distrib	(Optional)
def-distrib-always	(Optional)
process-disabled	(Optional)
out-of-mem	(Optional)
TABLE_afi	(Optional)
af	(Optional)
TABLE_interface	(Optional)
if-name	(Optional)
TABLE_redistrib	(Optional)
redistributing	(Optional)
TABLE_clients	(Optional)
pibname	(Optional)
policy	(Optional)

Command Mode

- /exec

show ip rip interface

show { ipv6 | ip } rip [instance <inst>] interface [<interface>] [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_inst <inst-name> TABLE_vrf <vrf> [TABLE_inter <if-name> <if-status> <protocol-up> <local-only> <no-addr-conf> <if-addr> <if-mask> <if-metric> <poison-reverse> <if-passive> <route-dist-filter> <in-policy> <out-policy> [{ TABLE_auth <auth-ena> <auth-type> <auth-keychain> }] [TABLE_detail <import-routes> <periodic-updates> <trigger-updates> <out-mcast-request> <out-ucast-update> <out-ucast-request> <in-mcast-update> <in-mcast-request> <in-ucast-update> <in-ucast-request> <bad-pkt> <bad-route>]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
inst	(Optional) Process ID
interface	RIP interface
interface	(Optional) RIP interface
detail	(Optional) Detailed information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_inst	(Optional)
inst-name	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
TABLE_inter	(Optional)
if-name	(Optional)
if-status	(Optional)
protocol-up	(Optional)

local-only	(Optional)
no-addr-conf	(Optional)
if-addr	(Optional)
if-mask	(Optional)
if-metric	(Optional)
poison-reverse	(Optional)
if-passive	(Optional)
route-dist-filter	(Optional)
in-policy	(Optional)
out-policy	(Optional)
TABLE_auth	(Optional)
auth-ena	(Optional)
auth-type	(Optional)
auth-keychain	(Optional)
TABLE_detail	(Optional)
import-routes	(Optional)
periodic-updates	(Optional)
trigger-updates	(Optional)
out-mcast-request	(Optional)
out-ucast-update	(Optional)
out-ucast-request	(Optional)
in-mcast-update	(Optional)
in-mcast-request	(Optional)
in-ucast-update	(Optional)
in-ucast-request	(Optional)
bad-pkt	(Optional)
bad-route	(Optional)

Command Mode

- /exec

show ip rip memory

show { ipv6 | ip } rip [instance <inst>] memory [__readonly__ TABLE_inst <inst-name> <type> <size> <count> <hwm> <slab> <overhead> <total> TABLE_total <total-overhead> <total-total>]

Syntax Description

show	Show running system information
ip	Display IP information
ipv6	Display IPv6 information
rip	Display RIP status and configuration
instance	(Optional) Process ID
inst	(Optional) Process ID
memory	Display RIP memory usage information
__readonly__	(Optional)
TABLE_inst	(Optional)
inst-name	(Optional)
type	(Optional)
size	(Optional)
count	(Optional)
hwm	(Optional)
slab	(Optional)
overhead	(Optional)
total	(Optional)
TABLE_total	(Optional)
total-overhead	(Optional)
total-total	(Optional)

Command Mode

- /exec

show ip rip neighbor

show { ipv6 | ip } rip [instance <inst>] neighbor [<interface>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_inst <inst-name> TABLE_vrf <vrf> <numberof-adj> <dead-timer-seconds> { TABLE_adj <adj-addr> <if-name> <last-response-sent> <last-response-rcvd> <last-request-sent> <last-request-rcvd> <last-response-sent-state> <last-response-rcvd-state> <last-request-sent-state> <last-request-rcvd-state> <in-bad-packets> <in-bad-routes> }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
inst	(Optional) Process ID
neighbor	RIP neighbor
interface	(Optional) RIP interface
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_inst	(Optional)
inst-name	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
numberof-adj	(Optional)
dead-timer-seconds	(Optional)
TABLE_adj	(Optional)
adj-addr	(Optional)
if-name	(Optional)
last-response-sent-state	(Optional)

last-response-sent	(Optional)
last-response-rcvd-state	(Optional)
last-response-rcvd	(Optional)
last-request-sent-state	(Optional)
last-request-sent	(Optional)
last-request-rcvd-state	(Optional)
last-request-rcvd	(Optional)
in-bad-packets	(Optional)
in-bad-routes	(Optional)

Command Mode

- /exec

show ip rip policy statistics redistribute

show ip rip [instance <inst>] policy statistics redistribute { bgp <as> | { eigrp | isis | <src-rip> | ospf } <tag> | direct | static } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> TABLE_vrf <vrf> { TABLE_rmap <name> <action> <seq_num> [{ TABLE_cmd <command> <compare_count> <match_count> }] } <total_accept_count> <total_reject_count>]

Syntax Description

show	Show running system information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
inst	(Optional) Process ID
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
as	Autonomous system number
isis	Intermediate-to-intermediate (ISIS)
src-rip	Routing Information Protocol (RIP)
ospf	Open Shortest Path First (OSPFv2)
tag	Process tag
direct	Directly connected routes
static	Static routes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_asn	(Optional) AS number table

asn	(Optional) AS number
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
TABLE_rmap	(Optional) Routemap table
name	(Optional) Route-map Name
action	(Optional) Route-map action
seq_num	(Optional) Sequence number of the rule in route-map
TABLE_cmd	(Optional) Route-map command table
command	(Optional) Route-map command
compare_count	(Optional) Number of comparisons
match_count	(Optional) Number of matches
total_accept_count	(Optional) Total number of packets accepted by the policy
total_reject_count	(Optional) Total number of packets rejected by the policy

Command Mode

- /exec

show ip rip route

show { ipv6 | ip } rip [instance <inst>] route [{ <ipv6-prefix> | <ip-prefix> } [{ longer-prefixes | shorter-prefixes }]] [summary] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_inst <inst-name> TABLE_vrf <vrf> [{ TABLE_route <best-route> <rt-prefix> <rt-mask> <rt-numnh> { TABLE_nexthop <nh-direct> <nh-redistrib> <nh-addr> <nh-interface> <nh-metric> <nh-tag> <nh-state> <nh-state-timer> } }] [{ TABLE_summary <is-summary> <total-num-rts> <total-best-rts> <total-paths> { TABLE_rtspermask <mask-length> <rts-per-mask> } }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
inst	(Optional) Process ID
route	RIP routes
summary	(Optional) route counts
ip-prefix	(Optional) Exact prefix
longer-prefixes	(Optional) exact match and more specific routes
shorter-prefixes	(Optional) exact match and less specific routes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_inst	(Optional)
inst-name	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
TABLE_route	(Optional)
best-route	(Optional)

rt-prefix	(Optional)
rt-mask	(Optional)
rt-numnh	(Optional)
TABLE_nexthop	(Optional)
nh-direct	(Optional)
nh-redistrib	(Optional)
nh-addr	(Optional)
nh-interface	(Optional)
nh-metric	(Optional)
nh-tag	(Optional)
nh-state	(Optional)
nh-state-timer	(Optional)
TABLE_summary	(Optional)
is-summary	(Optional)
total-num-rts	(Optional)
total-best-rts	(Optional)
total-paths	(Optional)
TABLE_rtspermask	(Optional)
mask-length	(Optional)
rts-per-mask	(Optional)

Command Mode

- /exec

show ip rip statistics

show { ipv6 | ip } rip [instance <inst>] statistics [* | <interface>] [__readonly__ TABLE_inst <inst-name> TABLE_interface <if-name> <periodic-updates> <trigger-updates> <out-mcast-request> <out-ucast-update> <out-ucast-request> <in-mcast-update> <in-mcast-request> <in-ucast-update> <in-ucast-request> <bad-pkt> <bad-route>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ip	Display IP information
rip	Display RIP status and configuration
instance	(Optional) Process ID
inst	(Optional) Process ID
statistics	RIP statistics
interface	(Optional) RIP interface
*	(Optional) RIP statistics for all interfaces
__readonly__	(Optional)
TABLE_inst	(Optional)
inst-name	(Optional)
TABLE_interface	(Optional)
if-name	(Optional)
periodic-updates	(Optional)
trigger-updates	(Optional)
out-mcast-request	(Optional)
out-ucast-update	(Optional)
out-ucast-request	(Optional)
in-mcast-update	(Optional)
in-mcast-request	(Optional)
in-ucast-update	(Optional)
in-ucast-request	(Optional)

bad-pkt	(Optional)
bad-route	(Optional)

Command Mode

- /exec

show ip route

show ip route [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | detail] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [<ipnexthop>] [<ifname>] [<bindlbl>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>] [<ubest>] [<mbest>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]

Syntax Description

show	Show running system information
ip	Display IP information
route	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
ip-addr	(Optional) Display single route longest match lookup
ip-prefix	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
protocol	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only

bind-lbl	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
next-hop	(Optional) Next hop address
next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
interface	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
stime	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
utime	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in full detail
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_addrf	(Optional)
addrf	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
ucast-nhops	(Optional)
mcast-nhops	(Optional)
attached	(Optional)
TABLE_path	(Optional)
ipnexthop	(Optional)
ifname	(Optional)
bindlbl	(Optional)
uptime	(Optional)
pref	(Optional)

metric	(Optional)
clientname	(Optional)
type	(Optional)
tag	(Optional)
stale	(Optional)
unres	(Optional)
hidden	(Optional)
stale-label	(Optional)
ubest	(Optional)
mbest	(Optional)
TABLE_summary	(Optional)
routes	(Optional)
paths	(Optional)
multicast_paths	(Optional)
TABLE_unicast	(Optional)
clientnameuni	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_multicast	(Optional)
clientnamemulti	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_route_count	(Optional)
mask_len	(Optional)
count	(Optional)

Command Mode

- /exec

show ip router-id

show ip router-id [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ip	Display IP information
router-id	Display IP router identification
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show ip sla application

show ip sla application [__readonly__ <version> [<line-length>] <type-name> <feature-name> <lowmemorymark> <max-entries> <probe-cap> <entries-config> <entries-active> <entries-pending> <entries-inactive> <last-change-time> <rttMonApplReset> [<rttMonApplTimeOfLastSet>]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
application	IP SLAs Application
__readonly__	(Optional)
version	(Optional)
line-length	(Optional)
type-name	(Optional)
feature-name	(Optional)
lowmemorymark	(Optional)
max-entries	(Optional)
probe-cap	(Optional)
entries-config	(Optional)
entries-active	(Optional)
entries-pending	(Optional)
entries-inactive	(Optional)
last-change-time	(Optional)
rttMonApplReset	(Optional) Appl Reset
rttMonApplTimeOfLastSet	(Optional)

Command Mode

- /exec

show ip sla configuration

show ip sla configuration [<entry-num>] [__readonly__ { TABLE_configuration [<index>] [<owner>] [<tag>] [<timeout>] [<oper-type>] [<dest-ip>] [<source-int>] [<source-ip>] [<dest-port>] [<source-port>] [<dns-source-port>] [<traffic-class>] [<tos>] [<dns-name-server>] [<flow-label>] [<data-pattern>] [<switch-id>] [<profile-id>] [<interface>] [<packet-size>] [<packet-interval>] [<num-packets>] [<codec-type>] [<codec-num-packets>] [<codec-packet-size>] [<codec-packet-interval>] [<codec-adv-factor>] [<verify-data>] [<precision>] [<packet-priority>] [<ntp-sync-tolerance>] [<ntp-sync-toltype>] [<vrf-name>] [<control-enabled>] [<http-oper>] [<http-version>] [<url>] [<proxy>] [<raw-strings>] [<cache-control>] [<http-vrf-name>] [<http-owner>] [<http-tag>] [<http-timeout>] [<frequency>] [<secondary-freq-timeout>] [<secondary-freq-loss>] [<next-start-time>] [<group-scheduled>] [<randomly-scheduled>] [<low-frequency>] [<high-frequency>] [<life>] [<ageout>] [<recurring>] [<status-of-entry>] [<threshold>] [<hours>] [<buckets>] [<interval>] [<einterval>] [<ebuckets>] [<lives>] [<hsbuckets>] [<filter>] }]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
configuration	IP SLA configurtaion
entry-num	(Optional) Entry Number
__readonly__	(Optional)
TABLE_configuration	(Optional) show ip sla configuration information
index	(Optional)
owner	(Optional)
tag	(Optional)
timeout	(Optional)
oper-type	(Optional)
dest-ip	(Optional)
source-int	(Optional)
source-ip	(Optional)
dest-port	(Optional)
source-port	(Optional)
dns-source-port	(Optional)
traffic-class	(Optional)

tos	(Optional)
dns-name-server	(Optional)
flow-label	(Optional)
data-pattern	(Optional)
profile-id	(Optional)
switch-id	(Optional)
interface	(Optional)
packet-size	(Optional)
packet-interval	(Optional)
num-packets	(Optional)
codec-type	(Optional)
codec-num-packets	(Optional)
codec-packet-size	(Optional)
codec-packet-interval	(Optional)
codec-adv-factor	(Optional)
verify-data	(Optional)
precision	(Optional)
packet-priority	(Optional)
ntp-sync-tolerance	(Optional)
ntp-sync-toltype	(Optional)
vrf-name	(Optional)
control-enabled	(Optional)
http-oper	(Optional)
http-version	(Optional)
url	(Optional)
proxy	(Optional)
raw-strings	(Optional)
cache-control	(Optional)
http-vrf-name	(Optional)

http-owner	(Optional)
http-tag	(Optional)
http-timeout	(Optional)
frequency	(Optional)
secondary-freq-timeout	(Optional)
secondary-freq-loss	(Optional)
next-start-time	(Optional)
group-scheduled	(Optional)
randomly-scheduled	(Optional)
low-frequency	(Optional)
high-frequency	(Optional)
life	(Optional)
ageout	(Optional)
recurring	(Optional)
status-of-entry	(Optional)
threshold	(Optional)
hours	(Optional)
buckets	(Optional)
interval	(Optional)
einterval	(Optional)
ebuckets	(Optional)
lives	(Optional)
hsbuckets	(Optional)
filter	(Optional)

Command Mode

- /exec

show ip sla enhanced-history collection-statistics

show ip sla enhanced-history collection-statistics [<operation-number> [interval <interval-in-secs>]] [__readonly__ [{ TABLE_generic [<entry-num>] [<aggregate-interval>] [{ TABLE_bkt [<bkt-index>] [<agg-sti>] [<tgt-addr>] [<oper-type>] [<nofod>] [<nofot>] [<nofob>] [<nofonc>] [<nofoie>] [<nofose>] [<nofove>] [<ntp-state>] [<icpif>] [<mos-score>] [<rtt-values>] [<num-rtt>] [<rtt-avg>] [<rtt-min>] [<rtt-max>] [<rtt-sum>] [<rtt-sum2>] [<num-out-sync-rtt>] [<plsd>] [<plds>] [<pos>] [<pl-mia>] [<pla>] [<int-err>] [<busies>] [<pkt-skipped>] [<jitter-value-precision>] [<min-pos-sd>] [<max-pos-sd>] [<num-pos-sd>] [<sum-pos-sd>] [<sum2-pos-sd>] [<min-neg-sd>] [<max-neg-sd>] [<num-neg-sd>] [<sum-neg-sd>] [<sum2-neg-sd>] [<min-pos-ds>] [<max-pos-ds>] [<num-pos-ds>] [<sum-pos-ds>] [<sum2-pos-ds>] [<min-neg-ds>] [<max-neg-ds>] [<num-neg-ds>] [<sum-neg-ds>] [<sum2-neg-ds>] [<jitter-avg>] [<jitter-sd-avg>] [<jitter-ds-avg>] [<inter-jit-out>] [<inter-jit-in>] [<ow-precision>] [<num-ow>] [<ow-min-sd>] [<ow-max-sd>] [<ow-sum-sd>] [<ow-sum2-sd>] [<ow-min-ds>] [<ow-max-ds>] [<ow-sum-ds>] [<ow-sum2-ds>] [<avg-ow-sd>] [<avg-ow-ds>] }] [<outstring>] }]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
collection-statistics	IP SLAs Collection Statistics
operation-number	(Optional) Entry Number
interval	(Optional) Aggregation Interval
interval-in-secs	(Optional) Interval in seconds
__readonly__	(Optional)
TABLE_generic	(Optional) Show History Information
entry-num	(Optional)
aggregate-interval	(Optional)
TABLE_bkt	(Optional) Show bucket History Information
bkt-index	(Optional)
agg-sti	(Optional)
tgt-addr	(Optional)
oper-type	(Optional)
nofod	(Optional)

nofot	(Optional)
nofob	(Optional)
nofonc	(Optional)
nofoie	(Optional)
nofose	(Optional)
nofove	(Optional)
ntp-state	(Optional)
icpif	(Optional)
mos-score	(Optional)
rtt-values	(Optional)
num-rtt	(Optional)
rtt-avg	(Optional)
rtt-min	(Optional)
rtt-max	(Optional)
rtt-sum	(Optional)
rtt-sum2	(Optional)
num-out-sync-rtt	(Optional)
plsd	(Optional)
plds	(Optional)
pos	(Optional)
pl-mia	(Optional)
pla	(Optional)
int-err	(Optional)
busies	(Optional)
pkt-skipped	(Optional)
jitter-value-precision	(Optional)
min-pos-sd	(Optional)
max-pos-sd	(Optional)
num-pos-sd	(Optional)

sum-pos-sd	(Optional)
sum2-pos-sd	(Optional)
min-neg-sd	(Optional)
max-neg-sd	(Optional)
num-neg-sd	(Optional)
sum-neg-sd	(Optional)
sum2-neg-sd	(Optional)
min-pos-ds	(Optional)
max-pos-ds	(Optional)
num-pos-ds	(Optional)
sum-pos-ds	(Optional)
sum2-pos-ds	(Optional)
min-neg-ds	(Optional)
max-neg-ds	(Optional)
num-neg-ds	(Optional)
sum-neg-ds	(Optional)
sum2-neg-ds	(Optional)
jitter-avg	(Optional)
jitter-sd-avg	(Optional)
jitter-ds-avg	(Optional)
inter-jit-out	(Optional)
inter-jit-in	(Optional)
ow-precision	(Optional)
num-ow	(Optional)
ow-min-sd	(Optional)
ow-max-sd	(Optional)
ow-sum-sd	(Optional)
ow-sum2-sd	(Optional)
ow-min-ds	(Optional)

ow-max-ds	(Optional)
ow-sum-ds	(Optional)
ow-sum2-ds	(Optional)
avg-ow-sd	(Optional)
avg-ow-ds	(Optional)
outstring	(Optional)

Command Mode

- /exec

show ip sla enhanced-history distribution-statistics

show ip sla enhanced-history distribution-statistics [<operation-number> [interval <interval-in-secs>]] [__readonly__ [<hdr>] [{ TABLE_generic [<col1>] [<col2>] [<col3>] }]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
enhanced-history	IP SLAs Enhanced History
distribution-statistics	IP SLAs Distribution Statistics
operation-number	(Optional) Entry Number
interval	(Optional) Aggregation Interval
interval-in-secs	(Optional) Interval in seconds
__readonly__	(Optional)
hdr	(Optional)
TABLE_generic	(Optional) Show History Information
col1	(Optional)
col2	(Optional)
col3	(Optional)

Command Mode

- /exec

show ip sla group schedule

show ip sla group schedule [<group-operation-number>] [__readonly__ [<entry-number>] [<probe-list>] [<num-probes>] [<sched-period>] [<mode>] [<low-freq>] [<high-freq>] [<freq>] [<snmp-status>] [<next-start-time>] [<life>] [<ageout>]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
group	IP SLAs Group Scheduling/Configuration
schedule	Group Scheduling
group-operation-number	(Optional) Group Schedule Entry Number
__readonly__	(Optional)
entry-number	(Optional)
probe-list	(Optional)
num-probes	(Optional)
sched-period	(Optional)
mode	(Optional)
low-freq	(Optional)
high-freq	(Optional)
freq	(Optional)
snmp-status	(Optional)
next-start-time	(Optional)
life	(Optional)
ageout	(Optional)

Command Mode

- /exec

show ip sla history

show ip sla history [<operation-number>] [tabular | full | interval-statistics] [__readonly__ [<outstring>] [{ TABLE_generic [<index>] [<life-index>] [<bucket-index>] [<col1>] [<addr>] [<dest-id>] [<nsr>] [<st>] [<latest-rtt>] [<latest-ret-code>] [<col2>] }] [<error>]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
history	IP SLAs History
operation-number	(Optional) Entry Number
tabular	(Optional) Compact Output
full	(Optional) Listed Output
interval-statistics	(Optional) Interval statistics output
__readonly__	(Optional)
outstring	(Optional)
TABLE_generic	(Optional) Show History Information
index	(Optional)
life-index	(Optional)
bucket-index	(Optional)
col1	(Optional)
addr	(Optional)
dest-id	(Optional)
nsr	(Optional)
st	(Optional)
latest-rtt	(Optional)
latest-ret-code	(Optional)
col2	(Optional)
error	(Optional)

Command Mode

- /exec

show ip sla reaction-configuration

show ip sla reaction-configuration [<entry-num>] [__readonly__ { TABLE_reaction [<entry-number>] [<index>] [<reaction>] [<threshold-type>] [<rising-value>] [<falling-value>] [<threshold-countX>] [<threshold-countY>] [<action-type>] [<unconfigured>] }]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-configuration	IP SLAs Reaction Configuration
entry-num	(Optional) Entry Number
__readonly__	(Optional)
TABLE_reaction	(Optional)
entry-number	(Optional)
index	(Optional)
reaction	(Optional)
threshold-type	(Optional)
rising-value	(Optional)
falling-value	(Optional)
threshold-countX	(Optional)
threshold-countY	(Optional)
action-type	(Optional)
unconfigured	(Optional)

Command Mode

- /exec

show ip sla reaction-trigger

show ip sla reaction-trigger [<entry-num>] [__readonly__ { TABLE_trigger [<entry-number>] [<index>] [<target-entry>] [<snmp-status>] [<operational-state>] [<unconfigured>] }]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
reaction-trigger	IP SLAs Reaction Trigger
entry-num	(Optional) Entry Number
__readonly__	(Optional)
TABLE_trigger	(Optional)
entry-number	(Optional)
index	(Optional)
target-entry	(Optional)
snmp-status	(Optional)
operational-state	(Optional)
unconfigured	(Optional)

Command Mode

- /exec

show ip sla responder

show ip sla responder [__readonly__ <rttMonApplResponder> <gen-enabled> [<ctrl-msg-count>] [<errors>] [{ TABLE_recent [<print-recent-hdr>] [<print-recent-err-hdr>] [<recent-addr>] [<recent-time>] [<recent-error>] }] <perm-enabled> [{ TABLE_permanent_udp [<print-udp-hdr>] [<address>] [<port>] }] [{ TABLE_permanent_tcp [<print-tcp-hdr>] [<address>] [<port>] }]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
responder	IP SLAs Responder Information
__readonly__	(Optional)
rttMonApplResponder	(Optional) rttMonApplResponder
gen-enabled	(Optional)
ctrl-msg-count	(Optional)
errors	(Optional)
TABLE_recent	(Optional) Show recent control message information
print-recent-hdr	(Optional)
print-recent-err-hdr	(Optional)
recent-addr	(Optional)
recent-time	(Optional)
recent-error	(Optional)
perm-enabled	(Optional)
TABLE_permanent_udp	(Optional) Show UDP permanent port/address information
print-udp-hdr	(Optional)
address	(Optional)
port	(Optional)
TABLE_permanent_tcp	(Optional) Show TCP permanent port/address information
print-tcp-hdr	(Optional)
address	(Optional)

port	(Optional)

Command Mode

- /exec

show ip sla statistics

show ip sla statistics [aggregated] [<entry-num>] [details] [__readonly__ <print_type> [{ TABLE_stats [<index>] [<top>] [{ TABLE_detail [<sti>] [<operation-type>] [<MINICPIF>] [<MAXICPIF>] [<MINMOS>] [<MAXMOS>] [<update-count>] [<micro-accuracy>] [<nano-accuracy>] [<latest-RTT>] [<latest-return-code>] [<latest-start-time>] [<http-dns-rtt>] [<http-tcp-rtt>] [<http-ttfb>] [<http-rtt>] [<http-status>] [<http-recvlen>] [<http-bodysize>] [<http-dns-timeout>] [<http-tcp-timeout>] [<http-t-timeout>] [<http-dns-error>] [<http-tcp-error>] [<http-t-error>] [<ntp-sync-state>] [<rtt-count>] [<rtt-min>] [<rtt-avg>] [<rtt-max>] [<lat-ow-samples>] [<sd-lat-ow-min>] [<sd-lat-ow-avg>] [<sd-lat-ow-max>] [<ds-lat-ow-min>] [<ds-lat-ow-avg>] [<ds-lat-ow-max>] [<sd-lat-sum>] [<sd-lat-sum2>] [<ds-lat-sum>] [<ds-lat-sum2>] [<sd-jitter-count>] [<ds-jitter-count>] [<sd-jitter-min>] [<sd-jitter-avg>] [<sd-jitter-max>] [<ds-jitter-min>] [<ds-jitter-avg>] [<ds-jitter-max>] [<sd-pos-jitter-min>] [<sd-pos-jitter-avg>] [<sd-pos-jitter-max>] [<sd-pos-jitter-num>] [<sd-pos-jitter-sum>] [<sd-pos-jitter-sum2>] [<sd-neg-jitter-min>] [<sd-neg-jitter-avg>] [<sd-neg-jitter-max>] [<sd-neg-jitter-num>] [<sd-neg-jitter-sum>] [<sd-neg-jitter-sum2>] [<ds-pos-jitter-min>] [<ds-pos-jitter-avg>] [<ds-pos-jitter-max>] [<ds-pos-jitter-num>] [<ds-pos-jitter-sum>] [<ds-pos-jitter-sum2>] [<ds-neg-jitter-min>] [<ds-neg-jitter-avg>] [<ds-neg-jitter-max>] [<ds-neg-jitter-num>] [<ds-neg-jitter-sum>] [<ds-neg-jitter-sum2>] [<pkt-unprocessed>] [<pkt-loss>] [<pkt-loss-per>] [<pkt-loss-min>] [<pkt-loss-max>] [<pkt-loss-inter-min>] [<pkt-loss-inter-max>] [<inter-jitter-out>] [<inter-jitter-in>] [<jitter-avg>] [<pkt-loss-sd>] [<pkt-loss-sd-per>] [<pkt-loss-sd-min>] [<pkt-loss-sd-max>] [<pkt-loss-sd-inter-min>] [<pkt-loss-sd-inter-max>] [<pkt-loss-ds>] [<pkt-loss-ds-per>] [<pkt-loss-ds-min>] [<pkt-loss-ds-max>] [<pkt-loss-ds-inter-min>] [<pkt-loss-ds-inter-max>] [<pkt-oos>] [<pkt-oos-sd>] [<pkt-oos-ds>] [<pkt-oos-both>] [<pkt-mia>] [<pkt-late>] [<pkt-skipped>] [<voice-icpif>] [<voice-mos>] [<dnobs>] [<dmam>] [<dtoo>] [<dmin>] [<dmax>] [<pnobs>] [<pmam>] [<ptoo>] [<pmin>] [<pmax>] [<nnobs>] [<nmam>] [<ntoo>] [<nmin>] [<nmax>] [<outstring1>] [<outstring2>] [<nos>] [<nof>] [<noot>] [<nofo1>] [<nofo2>] [{ TABLE_br [
 ] [<avg-lat>] [<potc>] [<noc-by-lat>] [<sortthigh-by-low>] [<operot>] }] }] [<life-left>] [<oper-state>] [<reset-time>] [<nob>] [<bbh>] [<bbv>] }]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
statistics	IP SLAs Statistics
entry-num	(Optional) Entry Number
details	(Optional) Detailed Output
aggregated	(Optional) IP SLAs Statistics Aggregated
__readonly__	(Optional)
print_type	(Optional)
TABLE_stats	(Optional) Show ip sla statistics information
index	(Optional)

top	(Optional)
TABLE_detail	(Optional) Show ip sla statistics detail information
sti	(Optional)
operation-type	(Optional)
MINICPIF	(Optional)
MAXICPIF	(Optional)
MINMOS	(Optional)
MAXMOS	(Optional)
update-count	(Optional)
micro-accuracy	(Optional)
nano-accuracy	(Optional)
latest-RTT	(Optional)
latest-return-code	(Optional)
latest-start-time	(Optional)
http-dns-rtt	(Optional)
http-tcp-rtt	(Optional)
http-ttfb	(Optional)
http-rtt	(Optional)
http-status	(Optional)
http-recvlen	(Optional)
http-bodysize	(Optional)
http-dns-timeout	(Optional)
http-tcp-timeout	(Optional)
http-t-timeout	(Optional)
http-dns-error	(Optional)
http-tcp-error	(Optional)
http-t-error	(Optional)
ntp-sync-state	(Optional)
rtt-count	(Optional)

rtt-min	(Optional)
rtt-avg	(Optional)
rtt-max	(Optional)
lat-ow-samples	(Optional)
sd-lat-ow-min	(Optional)
sd-lat-ow-avg	(Optional)
sd-lat-ow-max	(Optional)
ds-lat-ow-min	(Optional)
ds-lat-ow-avg	(Optional)
ds-lat-ow-max	(Optional)
sd-lat-sum	(Optional)
sd-lat-sum2	(Optional)
ds-lat-sum	(Optional)
ds-lat-sum2	(Optional)
sd-jitter-count	(Optional)
ds-jitter-count	(Optional)
sd-jitter-min	(Optional)
sd-jitter-avg	(Optional)
sd-jitter-max	(Optional)
ds-jitter-min	(Optional)
ds-jitter-avg	(Optional)
ds-jitter-max	(Optional)
sd-pos-jitter-min	(Optional)
sd-pos-jitter-avg	(Optional)
sd-pos-jitter-max	(Optional)
sd-pos-jitter-num	(Optional)
sd-pos-jitter-sum	(Optional)
sd-pos-jitter-sum2	(Optional)
sd-neg-jitter-min	(Optional)

sd-neg-jitter-avg	(Optional)
sd-neg-jitter-max	(Optional)
sd-neg-jitter-num	(Optional)
sd-neg-jitter-sum	(Optional)
sd-neg-jitter-sum2	(Optional)
ds-pos-jitter-min	(Optional)
ds-pos-jitter-avg	(Optional)
ds-pos-jitter-max	(Optional)
ds-pos-jitter-num	(Optional)
ds-pos-jitter-sum	(Optional)
ds-pos-jitter-sum2	(Optional)
ds-neg-jitter-min	(Optional)
ds-neg-jitter-avg	(Optional)
ds-neg-jitter-max	(Optional)
ds-neg-jitter-num	(Optional)
ds-neg-jitter-sum	(Optional)
ds-neg-jitter-sum2	(Optional)
pkt-unprocessed	(Optional)
pkt-loss	(Optional)
pkt-loss-per	(Optional)
pkt-loss-min	(Optional)
pkt-loss-max	(Optional)
pkt-loss-inter-min	(Optional)
pkt-loss-inter-max	(Optional)
inter-jitter-out	(Optional)
inter-jitter-in	(Optional)
jitter-avg	(Optional)
pkt-loss-sd	(Optional)
pkt-loss-sd-per	(Optional)

pkt-loss-sd-min	(Optional)
pkt-loss-sd-max	(Optional)
pkt-loss-sd-inter-min	(Optional)
pkt-loss-sd-inter-max	(Optional)
pkt-loss-ds	(Optional)
pkt-loss-ds-per	(Optional)
pkt-loss-ds-min	(Optional)
pkt-loss-ds-max	(Optional)
pkt-loss-ds-inter-min	(Optional)
pkt-loss-ds-inter-max	(Optional)
pkt-oos	(Optional)
pkt-oos-sd	(Optional)
pkt-oos-ds	(Optional)
pkt-oos-both	(Optional)
pkt-mia	(Optional)
pkt-late	(Optional)
pkt-skipped	(Optional)
voice-icpif	(Optional)
voice-mos	(Optional)
dnobs	(Optional)
dmam	(Optional)
dtoo	(Optional)
dmin	(Optional)
dmax	(Optional)
pnobs	(Optional)
pmam	(Optional)
ptoo	(Optional)
pmin	(Optional)
pmax	(Optional)

nnobs	(Optional)
nmam	(Optional)
ntoo	(Optional)
nmin	(Optional)
nmax	(Optional)
outstring1	(Optional)
outstring2	(Optional)
nos	(Optional)
nof	(Optional)
noot	(Optional)
nofo1	(Optional)
nofo2	(Optional)
TABLE_br	(Optional) Bin range related info
br	(Optional)
avg-lat	(Optional)
potc	(Optional)
noc-by-lat	(Optional)
sortthigh-by-low	(Optional)
operot	(Optional)
life-left	(Optional)
oper-state	(Optional)
reset-time	(Optional)
nob	(Optional)
bbh	(Optional)
bbv	(Optional)

Command Mode

- /exec

show ip sla twamp connection detail

show ip sla twamp connection detail [__readonly__ [{ TABLE_twamp-connection-detail <Connection-Id> <Client-Addr> <Client-Port> <Client-VRF> <Mode> <Connection-state> <Control-state> <Number-Of-Test-requests> }]]

Syntax Description

show	
ip	
sla	
twamp	
connection	
detail	
__readonly__	(Optional)
TABLE_twamp-connection-detail	(Optional) connection related info
Connection-Id	(Optional)
Client-Addr	(Optional)
Client-Port	(Optional)
Client-VRF	(Optional)
Mode	(Optional)
Connection-state	(Optional)
Control-state	(Optional)
Number-Of-Test-requests	(Optional)

Command Mode

- /exec

show ip sla twamp connection requests

show ip sla twamp connection requests [__readonly__ [{ TABLE_twamp-connection-request <Connection-Id> <Client-Addr> <Client-Port> <Client-VRF> }] [<Total-Connections>]]

Syntax Description

show	
ip	
sla	
twamp	
connection	
requests	
__readonly__	(Optional)
TABLE_twamp-connection-request	(Optional) connection requests related info
Connection-Id	(Optional)
Client-Addr	(Optional)
Client-Port	(Optional)
Client-VRF	(Optional)
Total-Connections	(Optional)

Command Mode

- /exec

show ip sla twamp session

show ip sla twamp session [__readonly__ <twamp-resp-status> [{ TABLE_twamp-session [<recv-addr>] [<recv-port>] [<send-addr>] [<send-port>] [<send-vrf>] [<sess-id>] [<conn-id>] }]]

Syntax Description

show	
ip	
sla	Service Level Agreement (SLA)
twamp	IP SLAs Twamp Information
session	Display TWAMP Sessions
__readonly__	(Optional)
twamp-resp-status	(Optional)
TABLE_twamp-session	(Optional) session related information
recv-addr	(Optional)
recv-port	(Optional)
send-addr	(Optional)
send-port	(Optional)
send-vrf	(Optional)
sess-id	(Optional)
conn-id	(Optional)

Command Mode

- /exec

show ip sla twamp standards

show ip sla twamp standards [__readonly__ [{ TABLE_twamp-standards <twamp-standard-feature> <twamp-standard-org> <twamp-standard> }]]

Syntax Description

show	
ip	
sla	
twamp	
standards	
__readonly__	(Optional)
TABLE_twamp-standards	(Optional) twamp standards for each supported feature
twamp-standard-feature	(Optional)
twamp-standard-org	(Optional)
twamp-standard	(Optional)

Command Mode

- /exec

show ip ssh source-interface

show ip ssh source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_ipsshvrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_ipsshvrf	(Optional) source interface of ssh given vrf
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip ssh source-interface vrf all

show ip ssh source-interface vrf all [__readonly__ [{ TABLE_ipssh <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
ssh	Display SSH client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_ipssh	(Optional) source interface of ssh
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip static-route

show ip static-route [multicast] [internal] [track-table] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<count> <unres-count>] [TABLE_vrf_all { <cntxt_name> <cntxt_id> [TABLE_each_vrf { <prefix_addr_msk> <nhop_addr_msk> <nhop_vrf_info> <nhop_intr_info> <urib_stat> [<seg_id>] [<tunnel_id> <urib_encap_type>] [<nhop_urib_stat>] [<track_obj_num> <track_obj_state>] }] }] [TABLE_multicast <multicast>] [TABLE_track-table] [TABLE_route <prefix> <masklen> <nhop> <nhop-masklen> <intf> <real-nhop> <iod> <pref> <tag> <unres>]]

Syntax Description

show	Show running system information
ip	Display IP information
static-route	Display configured static routes
multicast	(Optional) Display only multicast routes
internal	(Optional) Display internal data structure info
track-table	(Optional) Display track object details associated with static routes
vrf	(Optional) Display per-VRF information
all	(Optional) Display all VRFs
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_vrf_all	(Optional)
cntxt_name	(Optional)
cntxt_id	(Optional)
TABLE_each_vrf	(Optional)
prefix_addr_msk	(Optional)
nhop_addr_msk	(Optional)
nhop_vrf_info	(Optional)
nhop_intr_info	(Optional)
urib_stat	(Optional)
seg_id	(Optional)
tunnel_id	(Optional)

urib_encap_type	(Optional)
nhop_urib_stat	(Optional)
track_obj_num	(Optional)
track_obj_state	(Optional)
TABLE_multicast	(Optional)
multicast	(Optional)
TABLE_track-table	(Optional)
TABLE_route	(Optional)
prefix	(Optional)
masklen	(Optional)
nhop	(Optional)
nhop-masklen	(Optional)
intf	(Optional)
real-nhop	(Optional)
iod	(Optional)
pref	(Optional)
tag	(Optional)
unres	(Optional)
count	(Optional)
unres-count	(Optional)

Command Mode

- /exec

show ip stats

show ip stats

Syntax Description

show	Show running system information
ip	Display IP information
stats	Display IP internal stats

Command Mode

- /exec

show ip tcp mss

show ip tcp mss

Syntax Description

show	Show running system information
ip	Configure IP features
tcp	Global TCP parameters
mss	Maximum segment size for TCP connections in bytes

Command Mode

- /exec

show ip telnet source-interface

show ip telnet source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_iptelnetvrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_iptelnetvrf	(Optional) source interface of telnet given vrf
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip telnet source-interface vrf all

show ip telnet source-interface vrf all [__readonly__ [{ TABLE_iptelnet <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
telnet	Display telnet information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_iptelnet	(Optional) source interface of telnet
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip tftp source-interface

show ip tftp source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_iptftpvrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_iptftpvrf	(Optional) source interface of tftp given vrf
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip tftp source-interface vrf all

show ip tftp source-interface vrf all [__readonly__ [{ TABLE_iptftp <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
tftp	Display TFTP client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_iptftp	(Optional) source interface of tftp
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip traceroute source-interface

show ip traceroute source-interface [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_iptraceroutevrf <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_iptraceroutevrf	(Optional) source interface of traceroute
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip traceroute source-interface vrf all

show ip traceroute source-interface vrf all [__readonly__ [{ TABLE_iptraceroute <vrfname> <ifname> }]]

Syntax Description

show	Show running system information
ip	Display IP information
traceroute	Display traceroute client information
source-interface	Display source interface information
vrf	Display per-VRF information
all	Display entries for all vrfs
__readonly__	(Optional)
TABLE_iptraceroute	(Optional) source interface of traceroute
vrfname	(Optional) vrfname
ifname	(Optional) ifname

Command Mode

- /exec

show ip traffic

show ip traffic [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [{ TABLE_vrf [<vrf-name-out>] }] [{ TABLE_ip_soft_processed_traffic [{ TABLE_trans_and_reception [<rcvd>] [<sent>] [<consumed>] [<fwd-ucast>] [<fwd-mcast>] [<fwd-label>] [<ingress-mcecfrwd>] }] [{ TABLE_opts [<opts-end>] [<opts-nop>] [<opts-bsec>] [<opts-loosesrc-route>] [<opts-timestamp>] [<opts-esec>] [<opts-record-route>] [<opts-stid>] [<opts-strsrc-route>] [<opts-alert>] [<opts-cipso>] [<opts-ump>] [<opts-other>] }] [{ TABLE_errors [<bad-csum>] [<too-small>] [<bad-ver>] [<bad-hlen>] [<bad-len>] [<bad-dest>] [<bad-ttl>] [<cant-fwd>] [<out-drop>] [<bad-encap>] [<no-route>] [<no-proto>] [<bad-options>] [<vinci>] [<snoop>] [<svi>] [<restart-recovery>] [<mbuf-fail>] [<bad-context>] [<rpf-drops>] [<bad-gw-mac>] [<ing-ips-option-fail>] [<nat-in-drop>] [<nat-out-drop>] [<ing-option-proc-fail>] [<ing-mfrwd-fail>] [<ing-lisp-drop>] [<ing-lisp-decap-drop>] [<ing-lisp-encap-drop>] [<ing-lisp-encap>] [<ing-mfwd-copy-drop>] [<ing-ra-reass-drop>] [<ing-icmp-redirect>] [<ing-drop-ifmgr-init>] [<ing-drop-invld-filter>] [<ing-drop-invld-l2-msg>] [<ingress>] [<egrees>] [<directed_bdcast>] }] [{ TABLE_fragment [<frag>] [<fragmented>] [<out-frag>] [<frag-drop>] [<cant-frag>] [<reasm>] [<frag-to>] }] }] [{ TABLE_icmp_software_proc_traffic [{ TABLE_transmission [<tx-redir>] [<tx-unreach>] [<tx-echo-req>] [<tx-echo-reply>] [<tx-mask-req>] [<tx-mask-rep>] [<tx-info-req>] [<tx-info-reply>] [<tx-param-prob>] [<tx-source-quench>] [<tx-tstamp-req>] [<tx-tstamp-reply>] [<tx-time-exceeded>] [<tx-router-solicit>] [<tx-router-advert>] [<out-drop-badlen>] [<encap-fail>] [<xmit-fail>] [<icmp-orginate>] [<redirect-orginate-req>] [<orginate-deny>] [<short-ip>] [<old-icmp>] [<error-drop>] }] [{ TABLE_reception [<rx-redir>] [<rx-unreach>] [<rx-echo-req>] [<rx-echo-reply>] [<rx-mask-req>] [<rx-mask-rep>] [<rx-info-req>] [<rx-info-reply>] [<rx-param-prob>] [<rx-source-quench>] [<rx-tstamp-req>] [<rx-tstamp-reply>] [<rx-time-exceeded>] [<rx-router-solicit>] [<rx-router-advert>] [<rx-format-errors>] [<rx-csum-errors>] [<lisp-processed>] [<lisp-noclient>] [<lisp-consumed>] [<icmp-replies>] [<icmp-reply-drop>] [<icmp-inactive-addr>] }] [{ TABLE_stat_last_never [<stat-last-never>] }] }] [{ TABLE_rfc4293_ip_soft_proc_traffic [{ TABLE_rfc_reception [<inrcv>] [<inoctet>] [<inhdrerr>] [<innoroutes>] [<inaddrerr>] [<innoproto>] [<intruncated>] [<inforw>] [<reasmreqds>] [<reasmoks>] [<reasmfails>] [<indiscards>] [<indelivers>] [<inmcastpkts>] [<inmcastbytes>] [<inbastpkts>] }] [{ TABLE_rfc_transmission [<out-req>] [<out-no-route>] [<out-forwdgrams>] [<out-discards>] [<out-frag-req>] [<out-frag-oks>] [<out-frag-fails>] [<out-frag-create>] [<out-transmits>] [<byte-sent>] [<out-mcast-pkts>] [<out-mcast-bytes>] [<out-bcast-pkts>] [<out-bcast-bytes>] }] }]]

Syntax Description

show	Show running system information
ip	Display IP information
traffic	Display IP software processed traffic statistics
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)

TABLE_ip_soft_processed_traffic	(Optional)
TABLE_trans_and_reception	(Optional)
rcvd	(Optional)
sent	(Optional)
consumed	(Optional)
fwd-ucast	(Optional)
fwd-mcast	(Optional)
fwd-label	(Optional)
ingress-mcecfrwd	(Optional)
TABLE_opts	(Optional)
opts-end	(Optional)
opts-nop	(Optional)
opts-bsec	(Optional)
opts-loosesrc-route	(Optional)
opts-timestamp	(Optional)
opts-esec	(Optional)
opts-record-route	(Optional)
opts-ump	(Optional)
opts-stid	(Optional)
opts-strsrc-route	(Optional)
opts-alert	(Optional)
opts-cipso	(Optional)
opts-other	(Optional)
TABLE_errors	(Optional)
bad-csum	(Optional)
too-small	(Optional)
bad-ver	(Optional)
bad-hlen	(Optional)
bad-len	(Optional)

bad-dest	(Optional)
bad-ttl	(Optional)
cant-fwd	(Optional)
out-drop	(Optional)
bad-encap	(Optional)
no-route	(Optional)
no-proto	(Optional)
bad-options	(Optional)
vinci	(Optional)
snoop	(Optional)
svi	(Optional)
restart-recovery	(Optional)
mbuf-fail	(Optional)
bad-context	(Optional)
rpf-drops	(Optional)
bad-gw-mac	(Optional)
ing-ips-option-fail	(Optional)
nat-in-drop	(Optional)
nat-out-drop	(Optional)
ing-option-proc-fail	(Optional)
ing-mfrwd-fail	(Optional)
ing-lisp-drop	(Optional)
ing-lisp-decap-drop	(Optional)
ing-lisp-encap-drop	(Optional)
ing-lisp-encap	(Optional)
ing-mfwd-copy-drop	(Optional)
ing-ra-reass-drop	(Optional)
ing-icmp-redirect	(Optional)
ing-drop-ifmgr-init	(Optional)

ing-drop-invld-filter	(Optional)
ing-drop-invld-l2-msg	(Optional)
ingress	(Optional)
egrees	(Optional)
directed_bdcast	(Optional)
TABLE_fragment	(Optional)
frag	(Optional)
fragmented	(Optional)
out-frag	(Optional)
frag-drop	(Optional)
cant-frag	(Optional)
reasm	(Optional)
frag-to	(Optional)
TABLE_icmp_software_proc_traffic	(Optional)
TABLE_transmission	(Optional)
tx-redir	(Optional)
tx-unreach	(Optional)
tx-echo-req	(Optional)
tx-echo-reply	(Optional)
tx-mask-req	(Optional)
tx-mask-rep	(Optional)
tx-info-req	(Optional)
tx-info-reply	(Optional)
tx-param-prob	(Optional)
tx-source-quench	(Optional)
tx-tstamp-req	(Optional)
tx-tstamp-reply	(Optional)
tx-time-exceeded	(Optional)
tx-router-solicit	(Optional)

tx-router-advert	(Optional)
out-drop-badlen	(Optional)
encap-fail	(Optional)
xmit-fail	(Optional)
icmp-orginate	(Optional)
redirect-orginate-req	(Optional)
orginate-deny	(Optional)
short-ip	(Optional)
old-icmp	(Optional)
error-drop	(Optional)
TABLE_reception	(Optional)
rx-redir	(Optional)
rx-unreach	(Optional)
rx-echo-req	(Optional)
rx-echo-reply	(Optional)
rx-mask-req	(Optional)
rx-mask-rep	(Optional)
rx-info-req	(Optional)
rx-info-reply	(Optional)
rx-param-prob	(Optional)
rx-source-quench	(Optional)
rx-tstamp-req	(Optional)
rx-tstamp-reply	(Optional)
rx-time-exceeded	(Optional)
rx-router-solicit	(Optional)
rx-router-advert	(Optional)
rx-format-errors	(Optional)
rx-csum-errors	(Optional)
lisp-processed	(Optional)

lisp-noclient	(Optional)
lisp-consumed	(Optional)
icmp-replies	(Optional)
icmp-reply-drop	(Optional)
icmp-inactive-addr	(Optional)
TABLE_stat_last_never	(Optional)
stat-last-never	(Optional)
TABLE_rfc4293_ip_soft_proc_traffic	(Optional)
TABLE_rfc_reception	(Optional)
inrcv	(Optional)
inoctet	(Optional)
inhdrerr	(Optional)
innoroutes	(Optional)
inaddrerr	(Optional)
innoproto	(Optional)
intruncated	(Optional)
inforw	(Optional)
reasmreqds	(Optional)
reasmoks	(Optional)
reasmfails	(Optional)
indiscards	(Optional)
indelivers	(Optional)
inmcastpkts	(Optional)
inmcastbytes	(Optional)
inbastpkts	(Optional)
TABLE_rfc_transmission	(Optional)
out-req	(Optional)
out-no-route	(Optional)
out-forwdgrams	(Optional)

out-discards	(Optional)
out-frag-req	(Optional)
out-frag-oks	(Optional)
out-frag-fails	(Optional)
out-frag-create	(Optional)
out-transmits	(Optional)
byte-sent	(Optional)
out-mcast-pkts	(Optional)
out-mcast-bytes	(Optional)
out-bcast-pkts	(Optional)
out-bcast-bytes	(Optional)

Command Mode

- /exec

show ip txlist list

show ip txlist { list | member }

Syntax Description

show	Show running system information
ip	Display IP information
txlist	Display IP txlist information
list	Display IP txlist main linkage
member	Display IP txlist active member linkage

Command Mode

- /exec

show ip udp relay

show ip udp relay [__readonly__ [<udp_relay_service_enable> <udp_relay_hdr> TABLE_default_ports <port_name> <udp_relay_port_enable>] [<udp_ports_hdr> TABLE_ports <udp_port_num>] [<udp_intf_hdr> TABLE_intf <udp_intf_idx> <udp_sub_bcast> <udp_objgrp>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
__readonly__	(Optional) Read only
udp_relay_service_enable	(Optional)
udp_relay_hdr	(Optional)
TABLE_default_ports	(Optional)
port_name	(Optional) UDP Port Name
udp_relay_port_enable	(Optional)
udp_ports_hdr	(Optional)
TABLE_ports	(Optional)
udp_port_num	(Optional)
udp_intf_hdr	(Optional)
TABLE_intf	(Optional)
udp_intf_idx	(Optional) UDP relay interfaces
udp_sub_bcast	(Optional)
udp_objgrp	(Optional) Object-group

Command Mode

- /exec

show ip udp relay interface

show ip udp relay interface [<intf_range>] [__readonly__ <udp_intf_hdr> [TABLE_intf <udp_intf_idx> <udp_sub_bcast> <udp_objgrp>]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
interface	Interface ID
intf_range	(Optional) interface
__readonly__	(Optional) Read only
udp_intf_hdr	(Optional)
TABLE_intf	(Optional)
udp_intf_idx	(Optional) UDP relay interfaces
udp_sub_bcast	(Optional)
udp_objgrp	(Optional) Object-group

Command Mode

- /exec

show ip udp relay object-group

show ip udp relay object-group [<obj-grp-name>] [__readonly__ [TABLE_objgrp_list [<udp_objgrp>] [TABLE_objgrp [<host_addr>] [<net_addr> <net_mask>] [<prefix_addr> <prefix_len>]] <udp_intf_hdr> [TABLE_intf <udp_intf_idx>]]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
udp	Show items in UDP relay
relay	UDP relay
object-group	Object-group
obj-grp-name	(Optional) object-group name
__readonly__	(Optional) Read only
TABLE_objgrp_list	(Optional)
udp_objgrp	(Optional) Object-group
TABLE_objgrp	(Optional)
host_addr	(Optional) Host Address
net_addr	(Optional) Network Address
net_mask	(Optional) Network Mask
prefix_addr	(Optional) Network Address
prefix_len	(Optional) IP Prefix Length
udp_intf_hdr	(Optional)
TABLE_intf	(Optional)
udp_intf_idx	(Optional) UDP relay interfaces

Command Mode

- /exec

show ip verify source

show ip verify source [interface <intf6>] [__readonly__ <verify_ipsg_exclude_vlans> [<verify_hdr>] [<verify_intf_ipsg_val> | <verify_ipsg_enable_intfs>] [{ TABLE_verify_entry <verify_intf> <verify_intf_ipsg_val> [{ TABLE_verify_entry_intfs <verify_ipsg_enable_intfs> }] <verify_filter_mode> <verify_ip_addr> <verify_mac_addr> <verify_vlan> }]]

Syntax Description

show	Show running system information
ip	Show the IP features of the system
verify	Verify IPSG information
source	IPSG source
interface	(Optional) Interface
intf6	(Optional) interface
__readonly__	(Optional) Read only
verify_ipsg_exclude_vlans	(Optional)
verify_hdr	(Optional) IP source guard operational entries
verify_intf_ipsg_val	(Optional) IP source guard value (enabled or disable)
verify_ipsg_enable_intfs	(Optional) IP source guard enabled interfaces names
TABLE_verify_entry	(Optional)
verify_filter_mode	(Optional)
verify_intf	(Optional)
TABLE_verify_entry_intfs	(Optional)
verify_ip_addr	(Optional) verify ip address
verify_mac_addr	(Optional) verify mac address
verify_vlan	(Optional) vlan for interface

Command Mode

- /exec

show ipv6 adjacency

show ipv6 { adjacency | neighbor } [<interface> [summary] | <ipv6-addr> [detail] | detail | summary | non-best | [throttle] statistics] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<invalid_pkt_cnt>] [<invalid_byte_cnt>] [<global_drop_pkt_cnt>] [<global_drop_byte_cnt>] [<global_punt_pkt_cnt>] [<global_punt_byte_cnt>] [<global_glean_pkt_cnt>] [<global_glean_byte_cnt>] [<glean_pkt_cnt>] [<glean_byte_cnt>] [<normal_pkt_cnt>] [<normal_byte_cnt>] [<last_updated>] [<count-static>] [<count-dynamic>] [<count-others>] [<count-throttle>] [<count-total>] [TABLE_vrf <vrf-name-out> [TABLE_afi <afi> <count> [TABLE_adj <intf-out> <ipv6-addr> [<phy-intf>] <time-stamp> <mac> <pref> <owner> [<pkt-count>] [<byte-count>] [<is-best>] [<is-thrtld>]]]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
adjacency	Display adjacency table
neighbor	Show IPv6 neighbor entry
interface	(Optional) Display specific interface adjacencies only
detail	(Optional) Show detail information of adjacency entries
summary	(Optional) Show adjacency summary
non-best	(Optional) Show both best/non-best entries
throttle	(Optional) Throttle
statistics	(Optional) Show adjacency statistics
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Show adjacency entries for all vrfs
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
vrf-name-out	(Optional) VRF name
invalid_pkt_cnt	(Optional) Invalid packet count
invalid_byte_cnt	(Optional) Invalid byte count
global_drop_pkt_cnt	(Optional) Global drop packet count
global_drop_byte_cnt	(Optional) Global drop byte count

global_punt_pkt_cnt	(Optional) Global punt packet count
global_punt_byte_cnt	(Optional) Global punt byte count
global_glean_pkt_cnt	(Optional) Global glean packet count
global_glean_byte_cnt	(Optional) Global glean byte count
glean_pkt_cnt	(Optional) Glean packet count
glean_byte_cnt	(Optional) Glean byte count
normal_pkt_cnt	(Optional) Packet count
normal_byte_cnt	(Optional) Byte count
last_updated	(Optional) Lat updated
count-static	(Optional) Static count
count-dynamic	(Optional) Dynamic count
count-others	(Optional) Others count
count-throttle	(Optional) Throttled count
count-total	(Optional) Total count
TABLE_afi	(Optional) AFI table
afi	(Optional) AFI
count	(Optional) Count
TABLE_adj	(Optional) Adjacency table for IPV6
intf-out	(Optional) Interface
phy-intf	(Optional) Physical interface
time-stamp	(Optional) Age
mac	(Optional) MAC address
pref	(Optional) Preference
owner	(Optional) Owner
pkt-count	(Optional) Packet count
byte-count	(Optional) Byte count
is-best	(Optional) Best
is-thrtld	(Optional) Throttled

Command Mode

- /exec

show ipv6 amt tunnel

show ipv6 amt tunnel [<address6> <port>] [detail] [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ TABLE_vrf <vrf> <tc6> { TABLE_tunnel <gwa> <gwp> <ut> <ld> <lr> <rc> <exp> { TABLE_route <source> <group> <rexp> } }]

Syntax Description

show	Show running system information
amt	AMT show commands
ipv6	Display IPv6 information
tunnel	Display tunnel information
vrf	(Optional) Display information for VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
port	(Optional) UDP port number of gateway
detail	(Optional) Display routes joined by tunnel endpoint
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf	(Optional)
tc6	(Optional)
TABLE_tunnel	(Optional)
gwa	(Optional)
gwp	(Optional)
ut	(Optional)
ld	(Optional)
lr	(Optional)
rc	(Optional)
exp	(Optional)
TABLE_route	(Optional)
source	(Optional)
group	(Optional)

rexp	(Optional)

Command Mode

- /exec

show ipv6 bgp

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] { rib-install | rib-uninstall | rib-pending } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv6	Display BGP information for IPv6 address family
rib-install	Routes installed in RIB
rib-uninstall	Routes not installed in RIB
rib-pending	Routes not acknowledged by RIB

Command Mode

- /exec

show ipv6 bgp

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [<ipv6-prefix> [longer-prefixes]] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
longer-prefixes	(Optional) Display route and more specific routes

Command Mode

- /exec

show ipv6 bgp

show ipv6 { bgp | mbgp } { route-map { <rmap-name> | <rmap-name> } | prefix-list { <prfxlist-name> | <test_pol_name> } | filter-list { <fltrlist-name> | <test_pol_name> } | community-list { <commlist-name> | <test_pol_name> } | extcommunity-list { <extcommlist-name> | <test_pol_name> } [exact-match] }

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
route-map	Display routes matching the route-map
rmap-name	Route-map name
rmap-name	Known route-map name
prefix-list	Display routes matching the prefix-list
prfxlist-name	Name of prefix-list
filter-list	Display routes matching the filter-list
fltrlist-name	Name of filter-list
community-list	Display routes matching the community-list
commlist-name	Name of community-list
extcommunity-list	Display routes matching the extcommunity-list
extcommlist-name	Name of extcommunity-list
test_pol_name	An existing test-list policy
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp community

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] community { <regexp-str> | { { <comm-id> | <wellknown-id> } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
ipv6	Display BGP information for IPv6 address family
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
community	Display routes matching the BGP communities
regexp-str	Regular expression to match the communities
comm-id	BGP community value
wellknown-id	BGP wellknown community
exact-match	(Optional) Exact match of the communities

Command Mode

- /exec

show ipv6 bgp dampening

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] dampening { dampened-paths [regexp <regexp-str>] | history-paths [regexp <regexp-str>] | parameters | flap-statistics } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
dampening	Display dampening info
parameters	Display dampening parameters
dampened-paths	Display all dampened paths
history-paths	Display all history paths
flap-statistics	Display flap statistics for routes
ipv6	Display BGP information for IPv6 address family
regexp	(Optional) Display routes matching the AS path regular expression
regexp-str	(Optional) Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp extcommunity

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] extcommunity { <regexp-str> | { { 4byteas-generic { transitive <ext-comm-gen-trans> | non-transitive <ext-comm-gen-nontrans> } } + [exact-match] } } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
extcommunity	Display routes matching the BGP extcommunities
4byteas-generic	Generic extended community
transitive	Transitive extcommunity
non-transitive	Non-Transitive extcommunity
regexp-str	Regular expression to match the extcommunities
ext-comm-gen-trans	Extcommunity number aa4:nn format
ext-comm-gen-nontrans	Extcommunity number aa4:nn format
exact-match	(Optional) Exact match of the extcommunities

Command Mode

- /exec

show ipv6 bgp flap-statistics

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] flap-statistics [<ipv6-prefix>] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
flap-statistics	Display route flap statistics
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp neighbors

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] neighbors { [{ <neighbor-id> | <ipv6-neighbor-id> } [routes [advertised | received | dampened] | advertised-routes | paths | received-routes | flap-statistics]] | <neighbor-prefix-id> | <ipv6-neighbor-prefix-id> } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
neighbors	Display all configured BGP neighbors
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
neighbor-id	(Optional) Display one particular BGP neighbor
neighbor-prefix-id	Display details for a prefix peering
ipv6	Display BGP information for IPv6 address family
routes	(Optional) Display all routes advertised/received to/from peer
advertised	(Optional) Display all routes advertised to this peer
received	(Optional) Display all routes received from this peer
dampened	(Optional) Display all dampened routes received from this peer
advertised-routes	(Optional) Display all the routes advertised to this peer
received-routes	(Optional) Display all the routes received from this peer
flap-statistics	(Optional) Display flap statistics for routes received from this peer
paths	(Optional) Display AS paths learned from this peer

Command Mode

- /exec

show ipv6 bgp nexthop-database

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] nexthop-database [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
nexthop-database	Display nexthop database
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 bgp nexthop

show ipv6 { bgp | mbgp } nexthop <ipv6nexthop>

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
nexthop	Display routes matching the nexthop

Command Mode

- /exec

show ipv6 bgp received-paths

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] received-paths [private] [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ipv6	Display BGP information for IPv6 address family
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
received-paths	Display paths stored for soft-reconfig
private	(Optional) private

Command Mode

- /exec

show ipv6 bgp regexp

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] regexp <regexp-str> [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv6	Display BGP information for IPv6 address family
regexp	Display routes matching the AS path regular expression
regexp-str	Regular expression to match the AS paths

Command Mode

- /exec

show ipv6 bgp summary

show ipv6 { bgp | mbgp } [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] summary [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv6	Display BGP information for IPv6 address family

Command Mode

- /exec

show ipv6 cache

show ipv6 cache { { brief | detail } | { interface [<intf>] } } [operational]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
cache	Display ipv6 cache
interface	Display ipv6 related interface information
brief	Display summary of ipv6 interface status and configuration
detail	Display detailed information of ipv6 interface status and configuration
operational	(Optional) Display only interfaces that are administratively enabled
intf	(Optional) Interface name to display

Command Mode

- /exec

show ipv6 client

show ipv6 client [<client-name>] [__readonly__ { TABLE_ipv6_client { <cli-name> <cli-stat> <cli-pid> <cli-ext-pid> [<protocol>] <pib-index> <cli-uuid> <rou-vrf> <rou-flg> <ctrl-sap> <data-sap> <ipc-ctrl-mq> <ipc-ctrl-fail> <ipc-data-mq> <ipc-data-fail> [<if-ext-ind>] [<recv-fn> <recv-hex>] } }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
client	Display clients registered with the IPv6 process
client-name	(Optional) Display information for a single IPv6 client
__readonly__	(Optional)
TABLE_ipv6_client	(Optional) IPV6 client table
cli-name	(Optional) client name
cli-stat	(Optional) client state
cli-pid	(Optional) client pid
cli-ext-pid	(Optional) client ext-pid
protocol	(Optional) ipv6 client protocol
pib-index	(Optional) client pib-index
cli-uuid	(Optional) client uuid
rou-vrf	(Optional) client route vrf
rou-flg	(Optional) client route flag
ctrl-sap	(Optional) client control sap
data-sap	(Optional) client data sap
ipc-ctrl-mq	(Optional) client ipc control meassage queue
ipc-ctrl-fail	(Optional) client ipc control fail
ipc-data-mq	(Optional) client ipc data message queue
ipc-data-fail	(Optional) client ipc data fail
if-ext-ind	(Optional) client if ext indes
recv-fn	(Optional) client receive fn name
recv-hex	(Optional) receive-hexadecimal address

Command Mode

- /exec

show ipv6 dhcp-ldra

show ipv6 dhcp-ldra [__readonly__ <ldra_gbl_enable> [<cli_fac_disable_hdr> TABLE_intf_entry_cli_fac_disable <cli_fac_disable_intf>] [<cli_fac_trusted_hdr> TABLE_intf_entry_cli_fac_trusted <cli_fac_trusted_intf>] [<cli_fac_untrusted_hdr> TABLE_intf_entry_cli_fac_untrusted <cli_fac_untrusted_intf>] [<srv_fac_hdr> TABLE_intf_entry_srv_fac <srv_fac_intf>]]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp-ldra	Show DHCPv6 LDRA
__readonly__	(Optional) Read only
ldra_gbl_enable	(Optional) is DHCPv6 LDRA service enabled
cli_fac_disable_hdr	(Optional) DHCPv6 LDRA policy client-facing-disable
TABLE_intf_entry_cli_fac_disable	(Optional)
cli_fac_disable_intf	(Optional) DHCPv6 LDRA policy client-facing-disable interfaces
cli_fac_trusted_hdr	(Optional) DHCPv6 LDRA policy client-facing-trusted
TABLE_intf_entry_cli_fac_trusted	(Optional)
cli_fac_trusted_intf	(Optional) DHCPv6 LDRA policy client-facing-trusted interfaces
cli_fac_untrusted_hdr	(Optional) DHCPv6 LDRA policy client-facing-untrusted
TABLE_intf_entry_cli_fac_untrusted	(Optional)
cli_fac_untrusted_intf	(Optional) DHCPv6 LDRA policy client-facing-untrusted interfaces
srv_fac_hdr	(Optional) DHCPv6 LDRA policy server-facing
TABLE_intf_entry_srv_fac	(Optional)
srv_fac_intf	(Optional) DHCPv6 LDRA policy server-facing interfaces

Command Mode

- /exec

show ipv6 dhcp-ldra statistics

show ipv6 dhcp-ldra statistics [__readonly__ { <cf_total_msg_received> <cf_total_msg_sent> <cf_total_msg_drops> } [<rx_msg_stats_hdr> TABLE_rx_entry <rx_msg_type_str> <rx_pkts>] [<tx_msg_stats_hdr> TABLE_tx_entry <tx_msg_type_str> <tx_pkts>] [<drop_msg_stats_hdr> TABLE_drop_entry <msg_discard_reason_str> <drops>] { <sf_total_msg_received> <sf_total_msg_sent> <sf_total_msg_drops> } [<sf_rx_msg_stats_hdr> TABLE_sf_rx_entry <sf_rx_msg_type_str> <sf_rx_pkts>] [<sf_tx_msg_stats_hdr> TABLE_sf_tx_entry <sf_tx_msg_type_str> <sf_tx_pkts>] [<sf_drop_msg_stats_hdr> TABLE_sf_drop_entry <sf_msg_discard_reason_str> <sf_drops>]]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp-ldra	Show information about DHCPv6 LDRA
statistics	Statistics related to DHCPv6 LDRA
__readonly__	(Optional) Read only
cf_total_msg_received	(Optional) client facing statistics messages received
cf_total_msg_sent	(Optional) client facing statistics messages sent
cf_total_msg_drops	(Optional) client facing statistics message drops
rx_msg_stats_hdr	(Optional) received message statistics header
TABLE_rx_entry	(Optional)
rx_msg_type_str	(Optional) received dhcpv6 message type
rx_pkts	(Optional) received dhcpv6 packets
tx_msg_stats_hdr	(Optional) forwarded message statistics header
TABLE_tx_entry	(Optional)
tx_msg_type_str	(Optional) forwarded dhcpv6 message type
tx_pkts	(Optional) forwarded dhcpv6 packets
drop_msg_stats_hdr	(Optional) drops message statistics header
TABLE_drop_entry	(Optional)
msg_discard_reason_str	(Optional) message discarded reason
drops	(Optional) dhcpv6 packet drops
sf_total_msg_received	(Optional) server facing statistics messages received
sf_total_msg_sent	(Optional) server facing statistics messages sent

sf_total_msg_drops	(Optional) server facing statistics message drops
sf_rx_msg_stats_hdr	(Optional) received message statistics header
TABLE_sf_rx_entry	(Optional)
sf_rx_msg_type_str	(Optional) received dhcpv6 message type
sf_rx_pkts	(Optional) received dhcpv6 packets
sf_tx_msg_stats_hdr	(Optional) server forwarded message statistics header
TABLE_sf_tx_entry	(Optional)
sf_tx_msg_type_str	(Optional) server forwarded dhcpv6 message type
sf_tx_pkts	(Optional) server forwarded dhcpv6 packets
sf_drop_msg_stats_hdr	(Optional) server drops message statistics header
TABLE_sf_drop_entry	(Optional)
sf_msg_discard_reason_str	(Optional) server message discarded reason
sf_drops	(Optional) server dhcpv6 packet drops

Command Mode

- /exec

show ipv6 dhcp guard policy

show ipv6 dhcp guard policy [<pname>] [__readonly__ { TABLE_dhcp_guard_policy <name> <role> [<target>] [<max_pref>] [<min_pref>] [<match_src_list>] [<match_prefix_list>] }]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
pname	(Optional) Policy name for dhcp guard feature
__readonly__	(Optional)
TABLE_dhcp_guard_policy	(Optional) IPv6 DHCP guard policy
name	(Optional) Policy Name
role	(Optional) Role
target	(Optional) Target
max_pref	(Optional) Max preference
min_pref	(Optional) Min preference
match_src_list	(Optional) Source Address Match Access List
match_prefix_list	(Optional) Prefix List Match Prefix List

Command Mode

- /exec

show ipv6 dhcp relay

show ipv6 dhcp relay [interface <intf-range>] [__readonly__ [<relay_service_enable> [<gbl_src_intf>] <relay_vpn_enable> <relay_cisco_option_enable>] [TABLE_intf <interface-name> [<intf_src_intf>] <intf_header> [TABLE_addr <relay_address> <dst_intf> <vrf_name>]]]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show DHCPv6
relay	DHCPv6 relay address of the interface
interface	(Optional) DHCPv6 relay address of the interface
intf-range	(Optional) interface
__readonly__	(Optional) Read only
relay_service_enable	(Optional) is dhcpv6 relay service enabled
gbl_src_intf	(Optional) interface name
relay_vpn_enable	(Optional) is dhcpv6 relay insertion of vpn sub options enabled
relay_cisco_option_enable	(Optional) is dhcpv6 relay cisco option enabled
TABLE_intf	(Optional)
interface-name	(Optional) interface name
intf_src_intf	(Optional) interface name
intf_header	(Optional) interface header
TABLE_addr	(Optional)
dst_intf	(Optional) interface name
vrf_name	(Optional) VRF name

Command Mode

- /exec

show ipv6 dhcp relay statistics

show ipv6 dhcp relay statistics [interface <intf> [[server-ip <ip-addr-val> [use-vrf <vrf-name>] [interface <dest-interface>]] | [server-ip <ip-addr-val> [interface <dest-interface>] [use-vrf <vrf-name>]]]] [__readonly__ [<msg_stats_hdr> <msg_type_str> <rx_pkts> <tx_pkts> <drops> <msg_type_str_advertise> <rx_pkts_advertise> <tx_pkts_advertise> <drops_advertise> <msg_type_str_request> <rx_pkts_request> <tx_pkts_request> <drops_request> <msg_type_str_confirm> <rx_pkts_confirm> <tx_pkts_confirm> <drops_confirm> <msg_type_str_renew> <rx_pkts_renew> <tx_pkts_renew> <drops_renew> <msg_type_str_rebind> <rx_pkts_rebind> <tx_pkts_rebind> <drops_rebind> <msg_type_str_reply> <rx_pkts_reply> <tx_pkts_reply> <drops_reply> <msg_type_str_release> <rx_pkts_release> <tx_pkts_release> <drops_release> <msg_type_str_decline> <rx_pkts_decline> <tx_pkts_decline> <drops_decline> <msg_type_str_reconfigure> <rx_pkts_reconfigure> <tx_pkts_reconfigure> <drops_reconfigure> <msg_type_str_inforeq> <rx_pkts_inforeq> <tx_pkts_inforeq> <drops_inforeq> <msg_type_str_relay_fwd> <rx_pkts_relay_fwd> <tx_pkts_relay_fwd> <drops_relay_fwd> <msg_type_str_relay_reply> <rx_pkts_relay_reply> <tx_pkts_relay_reply> <drops_relay_reply> <msg_type_str_unknown> <rx_pkts_unknown> <tx_pkts_unknown> <drops_unknown> <msg_type_str_total>] [<server_stats_hdr> [TABLE_server <server_helper_addr> <server_vrf> <server_intf> <server_requests> <server_responses>]] [<drop_hdr> <drop_relay_disable> <drop_max_hops> <drop_validation_fails> <drop_unknown_op_intf> <drop_bad_context> <drop_opt_insert_fail> <drop_server_direct_reply> <drop_no_ipv6_addr> <drop_intf_error> <drop_vpn_disabled> <drop_ipv6_extn_hdrs_presence> <drop_mct_drop>]]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
dhcp	Show information about DHCPv6
relay	DHCPv6 Relay
statistics	Statistics related to DHCPv6
interface	(Optional) input interface
intf	(Optional) interface
server-ip	(Optional) Server address
use-vrf	(Optional) server address VRF membership
vrf-name	(Optional) VRF name
interface	(Optional) Destination interface for the server address
dest-interface	(Optional) Destination interface
__readonly__	(Optional) Read only
msg_stats_hdr	(Optional) dhcpv6 message statistics header
msg_type_str	(Optional) dhcpv6 message type

rx_pkts	(Optional) dhcpv6 received packets
tx_pkts	(Optional) dhcpv6 forwarded packets
drops	(Optional) dhcpv6 packet drops
msg_type_str_advertise	(Optional)
rx_pkts_advertise	(Optional)
tx_pkts_advertise	(Optional)
drops_advertise	(Optional)
msg_type_str_request	(Optional)
rx_pkts_request	(Optional)
tx_pkts_request	(Optional)
drops_request	(Optional)
msg_type_str_confirm	(Optional)
rx_pkts_confirm	(Optional)
tx_pkts_confirm	(Optional)
drops_confirm	(Optional)
msg_type_str_renew	(Optional)
rx_pkts_renew	(Optional)
tx_pkts_renew	(Optional)
drops_renew	(Optional)
msg_type_str_rebind	(Optional)
rx_pkts_rebind	(Optional)
tx_pkts_rebind	(Optional)
drops_rebind	(Optional)
msg_type_str_reply	(Optional)
rx_pkts_reply	(Optional)
tx_pkts_reply	(Optional)
drops_reply	(Optional)
msg_type_str_release	(Optional)
rx_pkts_release	(Optional)

tx_pkts_release	(Optional)
drops_release	(Optional)
msg_type_str_decline	(Optional)
rx_pkts_decline	(Optional)
tx_pkts_decline	(Optional)
drops_decline	(Optional)
msg_type_str_reconfigure	(Optional)
rx_pkts_reconfigure	(Optional)
tx_pkts_reconfigure	(Optional)
drops_reconfigure	(Optional)
msg_type_str_inforeq	(Optional)
rx_pkts_inforeq	(Optional)
tx_pkts_inforeq	(Optional)
drops_inforeq	(Optional)
msg_type_str_relay_fwd	(Optional)
rx_pkts_relay_fwd	(Optional)
tx_pkts_relay_fwd	(Optional)
drops_relay_fwd	(Optional)
msg_type_str_relay_reply	(Optional)
rx_pkts_relay_reply	(Optional)
tx_pkts_relay_reply	(Optional)
drops_relay_reply	(Optional)
msg_type_str_unknown	(Optional)
rx_pkts_unknown	(Optional)
tx_pkts_unknown	(Optional)
drops_unknown	(Optional)
msg_type_str_total	(Optional) total of all dhcpv6 message types
server_stats_hdr	(Optional) per-server statistics header
TABLE_server	(Optional)

server_vrf	(Optional) dhcpv6 server vrf
server_intf	(Optional) interface name
server_requests	(Optional)
server_responses	(Optional)
drop_hdr	(Optional)
drop_relay_disable	(Optional)
drop_max_hops	(Optional)
drop_validation_fails	(Optional)
drop_unknown_op_intf	(Optional)
drop_bad_context	(Optional)
drop_opt_insert_fail	(Optional)
drop_server_direct_reply	(Optional)
drop_no_ipv6_addr	(Optional)
drop_intf_error	(Optional)
drop_vpn_disabled	(Optional)
drop_ipv6_extn_hdrs_presence	(Optional)
drop_mct_drop	(Optional) drops through mct

Command Mode

- /exec

show ipv6 eigrp route-map statistics

show ipv6 eigrp [<eigrp-ptag>] route-map statistics { { redistribute { bgp <as> | { eigrp | isis | ospfv3 | rip } <tag> | static | direct | amt } } | table-map } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> TABLE_vrf <vrf> { TABLE_rmap <name> <action> <seq_num> [{ TABLE_cmd <command> <compare_count> <match_count> }] } <total_accept_count> <total_reject_count>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
eigrp	Display EIGRP status and configuration
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
eigrp-ptag	(Optional) Process tag
route-map	Route-map related information
statistics	Route-map statistics
redistribute	Redistribute information from another routing protocol
table-map	Tablemap information
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
isis	IS-IS Routing for IPv4
ospfv3	Open Shortest Path First (OSPF) V3
rip	Routing Information Protocol (RIP)
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
tag	Process tag
static	Static routes
direct	Directly connected
amt	AMT Anycast prefix
__readonly__	(Optional)

TABLE_asn	(Optional) AS number table
asn	(Optional) AS number
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
TABLE_rmap	(Optional) Route-map table
name	(Optional) Route-map name
action	(Optional) Route-map action
seq_num	(Optional) Sequence number of the clause
TABLE_cmd	(Optional) Route-map command table
command	(Optional) Route-map command
compare_count	(Optional) Number of comparisons
match_count	(Optional) Number of matches
total_accept_count	(Optional) Total number of packets accepted by this policy
total_reject_count	(Optional) Total number of packets rejected by this policy

Command Mode

- /exec

show ipv6 fragments

show ipv6 fragments [<source-addr>] [__readonly__ [TABLE_ipv6_frag [TABLE_ipv6_each_q { <ipv6-src> <ipv6-dest> <frag-id> <frag-off> <m-flag> <nxt-header> <pay-load> <expires> }]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
fragments	Display queued fragments
__readonly__	(Optional)
TABLE_ipv6_frag	(Optional) IPV6 fragment table
TABLE_ipv6_each_q	(Optional) IPV6 each fragment queue table
frag-id	(Optional) fragment id
frag-off	(Optional) fragment offset
m-flag	(Optional) m flag
nxt-header	(Optional) next header
pay-load	(Optional) fargment payload
expires	(Optional) expiry time

Command Mode

- /exec

show ipv6 icmp

show ipv6 icmp { adjacency | neighbor | sync-entries } [<interface>] [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { <icmpv6-vrftype> <icmpv6-cxt-name> } [TABLE_icmpv6_all_int { TABLE_icmpv6_one_int { <icmpv6-ipv6-addr> <time-stamp-icmpv6> <icmpv6-mac> <icmpv6-state> <icmpv6-short-name> [<phy-int-short-name>] } }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
adjacency	Show IPv6 dynamic learnt adjacency entry
neighbor	Show IPv6 dynamic learnt neighbor entry
sync-entries	Show IPv6 table learnt only due to table sync
interface	(Optional) Interface name to display
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
icmpv6-vrftype	(Optional)
icmpv6-cxt-name	(Optional)
TABLE_icmpv6_all_int	(Optional)
TABLE_icmpv6_one_int	(Optional)
time-stamp-icmpv6	(Optional)
icmpv6-mac	(Optional)
icmpv6-state	(Optional)
icmpv6-short-name	(Optional)
phy-int-short-name	(Optional)

Command Mode

- /exec

show ipv6 icmp global traffic

show ipv6 { icmp | nd } global traffic [__readonly__ [{ TABLE_icmpv6_global_stat [<st-total>] [<rv-total>] [<st-err>] [<rv-err>] [<st-int-drp-cnt>] [<rv-int-drp-cnt>] [<st-adj-nt-recov-am-ha>] [<rv-adj-nt-recov-am-ha>] [<st-pkt-allow-inv-ttl-vpc>] [<rv-pkt-allow-inv-ttl-vpc>] [<st-drp-src-mac-own>] [<rv-drp-src-mac-own>] [<st-drp-tgt-ip-not-own>] [<rv-drp-tgt-ip-not-own>] [<st-drp-src-ip-not-own>] [<rv-drp-src-ip-not-own>] [<st-dest-unreach>] [<rv-dest-unreach>] [<st-admin-prohibit>] [<rv-admin-prohibit>] [<st-time-exceed>] [<rv-time-exceed>] [<st-para-pbms>] [<rv-para-pbms>] [<st-echo-req>] [<rv-echo-req>] [<st-echo-reply>] [<rv-echo-reply>] [<st-redirect>] [<rv-redirect>] [<st-pkt-too-big>] [<rv-pkt-too-big>] [<st-rtr-adver>] [<rv-rtr-adver>] [<st-rtr-solicit>] [<rv-rtr-solicit>] [<st-nei-adver>] [<rv-nei-adver>] [<st-nei-solicit>] [<rv-nei-solicit>] [<fast-path-pkts>] [<fastpath-disable>] [<ign-fastpath-pkts>] [<dup-rtr-ra-recvd>] [<rv-dup-rtr-ra-recvd>] }] [{ TABLE_icmpv6_mld_stat <st-v1-queries> <rv-v1-queries> <st-v2-queries> <rv-v2-queries> <st-v1-reports> <rv-v1-reports> <st-v2-reports> <rv-v2-reports> <st-v1-leaves> <rv-v1-leaves> }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
nd	ICMPv6 Neighbor Discovery commands
global	Show ICMPv6/ND global variables
traffic	Display ICMPv6 software processed traffic statistics
__readonly__	(Optional)
TABLE_icmpv6_global_stat	(Optional) ICMPV6 global statistics
st-total	(Optional) total sent messages
rv-total	(Optional) total receive messages
st-err	(Optional) total sent error message
rv-err	(Optional) total receive error message
st-int-drp-cnt	(Optional) sent interface down drop count
rv-int-drp-cnt	(Optional) receive interface down drop count
st-adj-nt-recov-am-ha	(Optional) sent Adjacency not recovered from AM aft HA
rv-adj-nt-recov-am-ha	(Optional) receive Adjacency not recovered from AM aft HA
st-pkt-allow-inv-ttl-vpc	(Optional) sent Pkts allowed due to inv ttl on vPC-MCT
rv-pkt-allow-inv-ttl-vpc	(Optional) receive Pkts allowed due to inv ttl on vPC-MCT
st-drp-src-mac-own	(Optional) sent packet drop source mac address own

rv-drp-src-mac-own	(Optional) receive packet drop source mac address own
st-drp-tgt-ip-not-own	(Optional) sent drop tgt ip address not own
rv-drp-tgt-ip-not-own	(Optional) receive drop tgt ip address not own
st-drp-src-ip-not-own	(Optional) sent dropped source ip address
rv-drp-src-ip-not-own	(Optional) receive dropped source ip address
st-dest-unreach	(Optional) sent destination unreached
rv-dest-unreach	(Optional) receive destination unreach
st-admin-prohibit	(Optional) sent Administratively Prohibited
rv-admin-prohibit	(Optional) receive Administratively Prohibited
st-time-exceed	(Optional) sent time exceeded
rv-time-exceed	(Optional) receive time exceeded
st-para-pbms	(Optional) sent parameter problems
rv-para-pbms	(Optional) receive parameter problems
st-echo-req	(Optional) sent echo request
rv-echo-req	(Optional) receive echo request
st-echo-reply	(Optional) sent echo replies
rv-echo-reply	(Optional) receive echo replies
st-redirect	(Optional) sent redirects
rv-redirect	(Optional) receive redirects
st-pkt-too-big	(Optional) sent packet too big
rv-pkt-too-big	(Optional) receive packet too big
st-rtr-adver	(Optional) sent router advertisements
rv-rtr-adver	(Optional) receive router advertisements
st-rtr-solicit	(Optional) sent router solicitations
rv-rtr-solicit	(Optional) receive router solicitations
st-nei-adver	(Optional) sent neighbor advertisements
rv-nei-adver	(Optional) receive neighbor advertisements
st-nei-solicit	(Optional) sent neighbor solicitations
rv-nei-solicit	(Optional) receive neighbor solicitations

fast-path-pkts	(Optional) fastpath packets
fastpath-disable	(Optional) [fastpath diasbled / others]
ign-fastpath-pkts	(Optional) Packets drop request ignore count
dup-rtr-ra-recvd	(Optional) Duplicate router RA sent
rv-dup-rtr-ra-recvd	(Optional) Duplicate router RA received
TABLE_icmpv6_mld_stat	(Optional) ICMPv6 MLD Statistics
st-v1-queries	(Optional) V1 Queries sent
rv-v1-queries	(Optional) V1 Queries recieved
st-v2-queries	(Optional) V2 Queries sent
rv-v2-queries	(Optional) V2 Queries received
st-v1-reports	(Optional) V1 Reports sent
rv-v1-reports	(Optional) V1 Reports received
st-v2-reports	(Optional) V2 Reports sent
rv-v2-reports	(Optional) V2 Reports received
st-v1-leaves	(Optional) V1 Leaves sent
rv-v1-leaves	(Optional) V1 Leaves received

Command Mode

- /exec

show ipv6 icmp interface

{ show ipv6 { icmp | nd } interface [<interface>] { [prefix [full]] | [route] | [detail] } [vrf { <vrf-name> | <vrf-known-name> | all }] } | { show ipv6 [icmp] mld interface [brief] [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] } | { show ipv6 [icmp] mld interface <interface> } [__readonly__ TABLE_vrf <vrf-name-out> TABLE_intf <intf-name> <proto-state> <link-state> <admin-state> [TABLE_addr <addr>] <subnet> <link-local-addr> <icmpv6-disabled> <last-ns-sent> <last-na-sent> <last-ra-sent> <next-na-sent> <ra-min-interval> <ra-interval> <set-m-flag> <set-o-flag> <current-hop-limit> <mtu> <router-lifetime> <reachable-time> <retrans-timer> <ns-interval> <send-redirect> <send-unreachables> <mld-disabled> <mld-querier> <mld-entry-count> <mld-config-version> <mld-querier-version> <mld-host-version> <mld-query-timer> <mld-querier-expiry> <mld-qi> <mld-config-qi> <mld-query-mrt> <mld-config-query-mrt> <mld-startup-qi> <mld-config-startup-qi> <mld-startup-qc> <mld-config-last-member-mrt> <mld-last-member-qc> <mld-group-timeout> <mld-config-group-timeout> <mld-querier-timeout> <mld-config-querier-timeout> <mld-config-unsol-rpt-interval> <mld-qrv> <mld-config-robustness-variable> <mld-config-rpt-link-local> <mld-refcount> <static-group-map> <join-group-map> <ra-sent> <ra-rec> <rs-sent> <rs-rec> <na-sent> <na-rec> <ns-sent> <ns-rec> <redirect-sent> <redirect-rec> <msg-sent> <msg-rec> <errors-sent> <erros-rec> <ifdown-sent> <ifdown-rec> <am-ha-not-ready> <allow-mct-ttl> <our-own-mac> <tgt-not-us> <dest-unreachs-sent> <dest-unreachs-rec> <admin-prohibs-sent> <admin-prohibs-rec> <time-excds-sent> <time-excds-rec> <parm-problems-sent> <parm-problems-rec> <echos-sent> <echos-rec> <echo-replies-sent> <echo-replies-rec> <pkt-toobigs-sent> <pkt-toobigs-rec> <fastpath-pkt-recv> <fastpath-disable-pkt-recv> <fastpath-ignore-pkt-recv> <v1-queries-sent> <v1-queries-rec> <v2-queries-sent> <v2-queries-rec> <v1-reports-sent> <v1-reports-rec> <v2-reports-sent> <v2-reports-rec> <v1-leaves-sent> <v1-leaves-rec> <v2-leaves-sent> <v2-leaves-rec> <uptime> <mld-config-il> [TABLE_one_int <grp-id> <protocol-one-int> <client-uuid> <client-state-act> <client-in-use> TABLE_vip_list <virt-ipv6> <virt-mac> <context_name> <context_id> <last-solocit-st> <last-nei-ad-st> <last-rtr-adv-st> <nxt-rtr-ad-st>] <max-dad-attempts> <current-dad-attempts> [TABLE_route <route> <preference> <lifetime> <info-option> <reachability-verify-enabled> <adv-route-info> <route-zero-lifetime>] [TABLE_prefix <prefix> <enabled> <vlaidlife-time> <preferredlife-time> <on-link> <off-link> <autonomous>]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
nd	ICMPv6 Neighbor Discovery commands
mld	Display Multicast Listener Discovery information
interface	Display ICMPv6 related interface information
prefix	(Optional) Display List of ICMPv6 RA prefix

route	(Optional) Display List of ICMPv6 RA routes
full	(Optional) Display Complete prefix information
detail	(Optional) Display ICMPv6 related interface information in detail
brief	(Optional) Display ICMPv6 related interface information in brief
interface	(Optional) Interface name to show
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_intf	(Optional)
intf-name	(Optional)
proto-state	(Optional)
link-state	(Optional)
admin-state	(Optional)
TABLE_addr	(Optional)
icmpv6-disabled	(Optional)
last-ns-sent	(Optional)
last-na-sent	(Optional)
last-ra-sent	(Optional)
next-na-sent	(Optional)
ra-min-interval	(Optional)
ra-interval	(Optional)
set-m-flag	(Optional)
set-o-flag	(Optional)
current-hop-limit	(Optional)
mtu	(Optional)
router-lifetime	(Optional)
reachable-time	(Optional)
retrans-timer	(Optional)
ns-interval	(Optional)

send-redirect	(Optional)
send-unreachables	(Optional)
mld-disabled	(Optional)
mld-entry-count	(Optional)
mld-config-version	(Optional)
mld-querier-version	(Optional)
mld-host-version	(Optional)
mld-query-timer	(Optional)
mld-querier-expiry	(Optional)
mld-qi	(Optional)
mld-config-qi	(Optional)
mld-query-mrt	(Optional)
mld-config-query-mrt	(Optional)
mld-startup-qi	(Optional)
mld-config-startup-qi	(Optional)
mld-startup-qc	(Optional)
mld-config-last-member-mrt	(Optional)
mld-last-member-qc	(Optional)
mld-group-timeout	(Optional)
mld-config-group-timeout	(Optional)
mld-querier-timeout	(Optional)
mld-config-querier-timeout	(Optional)
mld-config-unsol-rpt-interval	(Optional)
mld-qrv	(Optional)
mld-config-robustness-variable	(Optional)
mld-config-rpt-link-local	(Optional)
mld-refcount	(Optional)
static-group-map	(Optional)
join-group-map	(Optional)

ra-sent	(Optional)
ra-rec	(Optional)
rs-sent	(Optional)
rs-rec	(Optional)
na-sent	(Optional)
na-rec	(Optional)
ns-sent	(Optional)
ns-rec	(Optional)
redirect-sent	(Optional)
redirect-rec	(Optional)
msg-sent	(Optional)
msg-rec	(Optional)
errors-sent	(Optional)
erros-rec	(Optional)
ifdown-sent	(Optional)
ifdown-rec	(Optional)
am-ha-not-ready	(Optional)
allow-mct-ttl	(Optional)
our-own-mac	(Optional)
tgt-not-us	(Optional)
dest-unreachs-sent	(Optional)
dest-unreachs-rec	(Optional)
admin-prohibs-sent	(Optional)
admin-prohibs-rec	(Optional)
time-excds-sent	(Optional)
time-excds-rec	(Optional)
parm-problems-sent	(Optional)
parm-problems-rec	(Optional)
echos-sent	(Optional)

echos-rec	(Optional)
echo-replies-sent	(Optional)
echo-replies-rec	(Optional)
pkt-toobigs-sent	(Optional)
pkt-toobigs-rec	(Optional)
fastpath-pkt-recv	(Optional)
fastpath-disable-pkt-recv	(Optional)
fastpath-ignore-pkt-recv	(Optional)
v1-queries-sent	(Optional)
v1-queries-rec	(Optional)
v2-queries-sent	(Optional)
v2-queries-rec	(Optional)
v1-reports-sent	(Optional)
v1-reports-rec	(Optional)
v2-reports-sent	(Optional)
v2-reports-rec	(Optional)
v1-leaves-sent	(Optional)
v1-leaves-rec	(Optional)
v2-leaves-sent	(Optional)
v2-leaves-rec	(Optional)
uptime	(Optional)
mld-config-il	(Optional)
TABLE_one_int	(Optional)
grp-id	(Optional)
protocol-one-int	(Optional)
client-uuid	(Optional)
client-state-act	(Optional)
client-in-use	(Optional)
TABLE_vip_list	(Optional)

virt-mac	(Optional)
context_name	(Optional)
context_id	(Optional)
last-solocit-st	(Optional)
last-nei-ad-st	(Optional)
last-rtr-adv-st	(Optional)
nxt-rtr-ad-st	(Optional)
max-dad-attempts	(Optional)
current-dad-attempts	(Optional)
TABLE_route	(Optional)
preference	(Optional)
lifetime	(Optional)
info-option	(Optional)
reachability-verify-enabled	(Optional)
adv-route-info	(Optional)
route-zero-lifetime	(Optional)
TABLE_prefix	(Optional)
enabled	(Optional)
vlaidlife-time	(Optional)
preferredlife-time	(Optional)
on-link	(Optional)
off-link	(Optional)
autonomous	(Optional)

Command Mode

- /exec

show ipv6 icmp ndp

show ipv6 icmp ndp

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
ndp	Displaysipv6 neighbor by looking at the top level pt

Command Mode

- /exec

show ipv6 icmp off-list

show ipv6 icmp off-list [vlan <vlan-id>] [__readonly__ [<vlan-adj-cnt>] [<icmpv6-sync-adj-cnt>] { TABLE_icmpv6_vlan_list <adj-vlan-id> <off-adj-ip-addr> <icmpv6-time-stamp> <icmpv6-mac-addr> <off-adj-flags> }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
off-list	Show adjacencies in off-list icmpv6 database
vlan	(Optional) Vlan id
vlan-id	(Optional) Show information for specified vlan
__readonly__	(Optional)
vlan-adj-cnt	(Optional) vlan adjacency count
icmpv6-sync-adj-cnt	(Optional) icmpv6 sync adjacency count
TABLE_icmpv6_vlan_list	(Optional) icmpv6 vlan list table
adj-vlan-id	(Optional) adjacency vlan id
icmpv6-time-stamp	(Optional) icmpv6 time stamp
icmpv6-mac-addr	(Optional) icmpv6 mac address
off-adj-flags	(Optional) offlist adjacency flags

Command Mode

- /exec

show ipv6 icmp process sdb

show ipv6 icmp process sdb

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
process	Display process information
sdb	Dump IPv6 sdb in a file

Command Mode

- /exec

show ipv6 icmp vaddr

show ipv6 icmp vaddr { link-local [detail] | global | pt-tree } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_pt_tree { <v-ipv6-addr> <v-mac-addr> <v-interface> <v-client-state> }] [TABLE_vrf_all [TABLE_glo_vrf { <group-id> <protocol-vrf> <cli-uuid> <vaddr-action> <vrf-interface> <v-ipv6-addr-one> <vaddr-mac> <cxt-name> <cxt-id> }] [TABLE_one_int [<lcache-inter> <cxt-name-int> <cxt_id-int>] TABLE_one_group { <grp-id> <protocol-one-int> <client-uuid> <client-state-act> <client-in-use> <client-state> TABLE_vip_list { <virt-ipv6> <virt-mac> <cxt_name> <cxt_id> [<last-solocit-st> <last-nei-ad-st> <last-rtr-adv-st> <nxt-rtr-ad-st> <icmpv6-addr> <vmac-addr> <st-total> <rv-total> <st-err> <rv-err> <st-int-dwn-drp> <rv-int-dwn-drp> <st-adj-nt-recov-am> <rv-adj-nt-recov-am> <st-pkt-allow-inv-ttl> <rv-pkt-allow-inv-ttl> <st-pkt-drp-src-mac-own> <rv-pkt-drp-src-mac-own> <st-pkt-drp-tgt-not-own> <rv-pkt-drp-tgt-not-own> <st-pkt-drp-src-not-own> <rv-pkt-drp-src-not-own> <st-dest-unreach> <rv-dest-unreach> <st-admin-prohi> <rv-admin-prohi> <st-time-exceed> <rv-time-exceed> <st-patr-pbm> <rv-patr-pbm> <st-echo-req> <rv-echo-req> <st-echo-reply> <rv-echo-reply> <st-dup-ra> <rv-dup-ra> <st-redirect> <rv-redirect> <st-pkt-too-big> <rv-pkt-too-big> <st-rtr-adver> <rv-rtr-adver> <st-rtr-solicit> <rv-rtr-solicit> <st-nei-adver> <rv-nei-adver> <st-nei-solicit> <rv-nei-solicit>] } }]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vaddr	Show all virtual addresses configured
link-local	Display link-local virtual ipv6 addresses
detail	(Optional) Display detailed information
global	Display global virtual ipv6 addresses
pt-tree	Display link-local virtual ipv6 addresses pt-tree information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_pt_tree	(Optional)
v-mac-addr	(Optional)
v-interface	(Optional)
v-client-state	(Optional)
TABLE_vrf_all	(Optional)

TABLE_glo_vrf	(Optional)
group-id	(Optional)
protocol-vrf	(Optional)
cli-uuid	(Optional)
vaddr-action	(Optional)
vrf-interface	(Optional)
vaddr-mac	(Optional)
cxt-name	(Optional)
cxt-id	(Optional)
TABLE_one_int	(Optional)
lcache-inter	(Optional)
cxt-name-int	(Optional)
cxt_id-int	(Optional)
grp-id	(Optional)
protocol-one-int	(Optional)
client-uuid	(Optional)
client-state-act	(Optional)
client-in-use	(Optional)
client-state	(Optional)
TABLE_one_group	(Optional)
TABLE_vip_list	(Optional)
virt-mac	(Optional)
cxt_name	(Optional)
cxt_id	(Optional)
last-solocit-st	(Optional)
last-nei-ad-st	(Optional)
last-rtr-adv-st	(Optional)
nxt-rtr-ad-st	(Optional)
vmac-addr	(Optional)

st-total	(Optional)
rv-total	(Optional)
st-err	(Optional)
rv-err	(Optional)
st-int-dwn-drp	(Optional)
rv-int-dwn-drp	(Optional)
st-adj-nt-recov-am	(Optional)
rv-adj-nt-recov-am	(Optional)
st-pkt-allow-inv-ttl	(Optional)
rv-pkt-allow-inv-ttl	(Optional)
st-pkt-drp-src-mac-own	(Optional)
rv-pkt-drp-src-mac-own	(Optional)
st-pkt-drp-tgt-not-own	(Optional)
rv-pkt-drp-tgt-not-own	(Optional)
st-pkt-drp-src-not-own	(Optional)
rv-pkt-drp-src-not-own	(Optional)
st-dest-unreach	(Optional)
rv-dest-unreach	(Optional)
st-admin-prohi	(Optional)
rv-admin-prohi	(Optional)
st-time-exceed	(Optional)
rv-time-exceed	(Optional)
st-patr-pbm	(Optional)
rv-patr-pbm	(Optional)
st-echo-req	(Optional)
rv-echo-req	(Optional)
st-echo-reply	(Optional)
rv-echo-reply	(Optional)
st-dup-ra	(Optional)

rv-dup-ra	(Optional)
st-redirect	(Optional)
rv-redirect	(Optional)
st-pkt-too-big	(Optional)
rv-pkt-too-big	(Optional)
st-rtr-adver	(Optional)
rv-rtr-adver	(Optional)
st-rtr-solicit	(Optional)
rv-rtr-solicit	(Optional)
st-nei-adver	(Optional)
rv-nei-adver	(Optional)
st-nei-solicit	(Optional)
rv-nei-solicit	(Optional)

Command Mode

- /exec

show ipv6 icmp vpc-statistics

show ipv6 icmp vpc-statistics [__readonly__ [{ TABLE_icmpv6_vpc_stats [<icmpv6-pro-drp-pull-disable>] [<icmpv6-pro-drp-push-msg-disable>] [<icmpv6-pro-ign-snd-pull-disabe>] [<icmpv6-ign-snd-push-disable>] [<icmpv6-drp-im-fail>] [<icmpv6-drp-mcecm-fail>] [<icmpv6-drp-invalid-pc-iod>] [<icmpv6-drp-pt-lookup-fail>] [<icmpv6-drp-resp-fail-no-mct>] [<icmpv6-drp-resp-fail>] [<icmpv6-vpc-id-ifindx-sending-pushmsg>] [<icmpv6-vpc-id-proc-cfs-payload>] [<icmpv6-resp-sent>] [<icmpv6-resp-recvd>] [<icmpv6-resp-recv-err>] [<icmpv6-rcvd-msg>] [<icmpv6-send-fail>] [<icmpv6-cfs-rel-dlvry-fail>] [<icmpv6-cfs-rel-dnvry-suc>] [<icmpv6-drp-pt-add-fail>] [<icmpv6-drp-no-mem>] [<icmpv6-drp-tmr-cre-fail>] [<icmpv6-drp-add-adj-fail>] [<icmpv6-off-drp-pt-lookup-fail>] [<icmpv6-dont-drp-vlan-mismat>] [<icmpv6-drp-svi-invalid>] [<icmpv6-dont-drop-sv-down>] [<icmpv6-drp-mct-down>] [<icmpv6-drp-ctxt-invalid>] [<icmpv6-drp-vrf-invalid>] [<icmpv6-drp-l3addr-invalid>] [<icmpv6-drp-l3addr-sanity-fail>] [<icmpv6-drp-mac-sanity-fail>] [<icmpv6-own-rtr-mac>] [<icmpv6-drp-own-ipv6addr>] [<icmpv6-drp-own-vipv6add>] [<icmpv6-drp-adj-fail>] [<icmpv6-drp-subnet-mismatch>] [<icmpv6-drp-adj-exist>] [<icmpv6-dont-drp-ip-not-enable>] [<icmpv6-drp-total-cnt>] [<icmpv6-dont-drop-total-cnt>] [<icmpv6-add-adj>] [<icmpv6-del-adj>] [<icmpv6-adj-already-exist>] [<icmpv6-vpc-id-periodic-sync>] [<icmpv6-vpc-id-cfs-payload-periodic-sync>] }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	Display ICMPv6 information
vpc-statistics	Show vPC global statistics
__readonly__	(Optional)
TABLE_icmpv6_vpc_stats	(Optional) icmpv6 Vpc statistics
icmpv6-pro-drp-pull-disable	(Optional) icmpv6 protocol drop pull disable
icmpv6-pro-drp-push-msg-disable	(Optional) icmpv6 protocol drop push message disable
icmpv6-pro-ign-snd-pull-disabe	(Optional) icmpv6 protocol ignore send pull disable
icmpv6-ign-snd-push-disable	(Optional) icmpv6 ignore send push disable
icmpv6-drp-im-fail	(Optional) icmpv6 drop im fail
icmpv6-drp-mcecm-fail	(Optional) MCECM api failed while processing CFS payload
icmpv6-drp-invalid-pc-iod	(Optional) Invalid MCT port-channel iod while processing CFS payload
icmpv6-drp-pt-lookup-fail	(Optional) PT lookup failed while processing CFS payload
icmpv6-drp-resp-fail-no-mct	(Optional) invalid MCT iod while processing CFS payload
icmpv6-drp-resp-fail	(Optional) response failed while processing CFS payload
icmpv6-vpc-id-ifindx-sending-pushmsg	(Optional) Unable to retrive VPC id ifindex while sending push message

icmpv6-vpc-id-proc-cfs-payload	(Optional) Unable to retrive ifindex from vpc id
icmpv6-vpc-id-periodic-sync	(Optional) unable to retrive vpc id ifindex for periodic sync
icmpv6-vpc-id-cfs-payload-periodic-sync	(Optional) unable to retrive ifindex from vpc id while processing cfs payload for periodic sync
icmpv6-resp-sent	(Optional) Response sent via CFSoE
icmpv6-resp-recvd	(Optional) Response received via CFSoE
icmpv6-resp-recv-err	(Optional) Response received via CFSoE with errors
icmpv6-rcvd-msg	(Optional) Received message via CFSoE
icmpv6-send-fail	(Optional) Send message failed via CFSoE
icmpv6-cfs-rel-dlvry-fail	(Optional) MCECM send api failed via CFSoE
icmpv6-cfs-rel-dnvry-suc	(Optional) Send message succeeded via CFSoE
icmpv6-drp-pt-add-fail	(Optional) PT add failed while processing offlist database
icmpv6-drp-no-mem	(Optional) Memory alloc failed while processing offlist database
icmpv6-drp-tmr-cre-fail	(Optional) Timer create failed while processing offlist database
icmpv6-drp-add-adj-fail	(Optional) Adjacency addition failed while processing offlist database
icmpv6-off-drp-pt-lookup-fail	(Optional) PT lookup failed while processing offlist database
icmpv6-dont-drp-vlan-mismat	(Optional) VLAN mismatch while processing offlist database
icmpv6-drp-svi-invalid	(Optional) SVI is invalid while processing offlist database
icmpv6-dont-drop-sv-down	(Optional) SVI is down while processing offlist database
icmpv6-drp-mct-down	(Optional) MCT is down while processing offlist database
icmpv6-drp-ctxt-invalid	(Optional) Ctxt_type is invalid while processing offlist database
icmpv6-drp-vrf-invalid	(Optional) VRF is invalid while processing offlist database
icmpv6-drp-l3addr-invalid	(Optional) IP address is invalid while processing offlist database
icmpv6-drp-l3addr-sanity-fail	(Optional) IP address sanity failed while processing offlist database
icmpv6-drp-mac-sanity-fail	(Optional) MAC address sanity failed while processing offlist database
icmpv6-own-rtr-mac	(Optional) Our own router mac while processing offlist database
icmpv6-drp-own-ipv6addr	(Optional) Our own ip address while processing offlist database
icmpv6-drp-own-vipv6add	(Optional) Our own virtual ip address while processing offlist database
icmpv6-drp-adj-fail	(Optional) Create adjacency failed while processing offlist database

icmpv6-drp-subnet-mismatch	(Optional) Subnet mismatch while processing offlist database
icmpv6-drp-adj-exist	(Optional) Entry exists while processing offlist database
icmpv6-dont-drp-ip-not-enable	(Optional) IPv6 not enabled on interface while processing offlist database
icmpv6-drp-total-cnt	(Optional) Total drop count while processing offlist database
icmpv6-dont-drop-total-cnt	(Optional) Total don't drop count while processing offlist database
icmpv6-add-adj	(Optional) Total adjacency additions in offlist database
icmpv6-del-adj	(Optional) Total adjacency deletions in offlist database
icmpv6-adj-already-exist	(Optional) Total adjacencies ignored as they already exists in offlist database

Command Mode

- /exec

show ipv6 interface

show ipv6 interface { [brief [include-secondary] | [<interface> | <ipv6-addr>] [detail]] } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_intf <vrf-name-out> <intf-name> [<proto-state>] [<link-state>] [<admin-state>] [<iod>] [TABLE_addr <addr>] [<prefix>] [{ TABLE_sec_addr [<sec-prefix>] }] [<linklocal-addr>] [<linklocal-configured>] [{ TABLE_vaddr [<v-addr>] }] [<ipv6-disabled>] [<mrouting-enabled>] [<mgroup-locally-joined>] [{ TABLE_maddr <m-addr> [<m-addr-refcnt>] }] [{ TABLE_sg [<sg-saddr>] [<sg-maddr>] [<sg-refcnt>] }] [<mtu>] [<global-in-pcl-configured>] [<global-in-pcl-name>] [<global-in-pcl-pending>] [<global-out-pcl-configured>] [<global-out-pcl-name>] [<global-out-pcl-pending>] [<in-pcl-configured>] [<in-pcl-name>] [<in-pcl-pending>] [<out-pcl-configured>] [<out-pcl-name>] [<out-pcl-pending>] [<urpf-mode>] [<ipv6-lstype>] [<stats-last-reset>] [<acl-in>] [<acl-out>] [<upkt-fwd>] [<upkt-orig>] [<upkt-consumed>] [<ubyte-fwd>] [<ubyte-orig>] [<ubyte-consumed>] [<mpkt-fwd>] [<mpkt-orig>] [<mpkt-consumed>] [<mbyte-fwd>] [<mbyte-orig>] [<mbyte-consumed>] [<upkt-in-acc>] [<upkt-in-rej>] [<ubyte-in-acc>] [<ubyte-in-rej>] [<mpkt-in-acc>] [<mpkt-in-rej>] [<mbyte-in-acc>] [<mbyte-in-rej>] [<upkt-out-acc>] [<upkt-out-rej>] [<ubyte-out-acc>] [<ubyte-out-rej>] [<mpkt-out-acc>] [<mpkt-out-rej>] [<mbyte-out-acc>] [<mbyte-out-rej>] [<hw-upkt-sent>] [<hw-upkt-recv>] [<hw-ubyte-sent>] [<hw-ubyte-recv>] [<hw-mpkt-sent>] [<hw-mpkt-recv>] [<hw-mbyte-sent>] [<hw-mbyte-recv>] [<hw-upkt-drop>] [<hw-ubyte-drop>] [<hw-mpkt-drop>] [<hw-mbyte-drop>] [<hw-mpkt-rpdrop>] [<hw-mbyte-rpdrop>] [<hw-mpkt-dfdrop>] [<hw-mbyte-dfdrop>] [<unspecified-src>] [<total-pkt-recv-tent-addr>] [<total-pkts-recv-invalid-addr-state>] [<total-pkt-recv-dup-state>] [<anycast-pkt-arrived-tcp>] [<deliver-intf-down>]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
interface	Display IPv6 related interface information
brief	(Optional) Display summary of IPv6 status and configuration
include-secondary	(Optional) Display summary of all IPv6 addresses
interface	(Optional) Interface name to display
detail	(Optional) Display detailed IPv6 interface information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs
__readonly__	(Optional)
TABLE_addr	(Optional)
vrf-name-out	(Optional)

TABLE_intf	(Optional)
intf-name	(Optional)
proto-state	(Optional)
link-state	(Optional)
admin-state	(Optional)
iod	(Optional)
addr	(Optional)
prefix	(Optional)
TABLE_sec_addr	(Optional)
sec-prefix	(Optional)
linklocal-configured	(Optional)
TABLE_vaddr	(Optional)
ipv6-disabled	(Optional)
mrouting-enabled	(Optional)
mgroup-locally-joined	(Optional)
TABLE_maddr	(Optional)
m-addr-refcnt	(Optional)
TABLE_sg	(Optional)
sg-refcnt	(Optional)
mtu	(Optional)
global-in-pcl-configured	(Optional)
global-in-pcl-name	(Optional)
global-in-pcl-pending	(Optional)
global-out-pcl-configured	(Optional)
global-out-pcl-name	(Optional)
global-out-pcl-pending	(Optional)
in-pcl-configured	(Optional)
in-pcl-name	(Optional)
in-pcl-pending	(Optional)

out-pcl-configured	(Optional)
out-pcl-name	(Optional)
out-pcl-pending	(Optional)
urpf-mode	(Optional)
ipv6-lstype	(Optional)
stats-last-reset	(Optional)
acl-in	(Optional)
acl-out	(Optional)
upkt-fwd	(Optional)
upkt-orig	(Optional)
upkt-consumed	(Optional)
ubyte-fwd	(Optional)
ubyte-orig	(Optional)
ubyte-consumed	(Optional)
mpkt-fwd	(Optional)
mpkt-orig	(Optional)
mpkt-consumed	(Optional)
mbyte-fwd	(Optional)
mbyte-orig	(Optional)
mbyte-consumed	(Optional)
upkt-in-acc	(Optional)
upkt-in-rej	(Optional)
ubyte-in-acc	(Optional)
ubyte-in-rej	(Optional)
mpkt-in-acc	(Optional)
mpkt-in-rej	(Optional)
mbyte-in-acc	(Optional)
mbyte-in-rej	(Optional)
upkt-out-acc	(Optional)

upkt-out-rej	(Optional)
ubyte-out-acc	(Optional)
ubyte-out-rej	(Optional)
mpkt-out-acc	(Optional)
mpkt-out-rej	(Optional)
mbyte-out-acc	(Optional)
mbyte-out-rej	(Optional)
hw-upkt-sent	(Optional)
hw-upkt-recv	(Optional)
hw-ubyte-sent	(Optional)
hw-ubyte-recv	(Optional)
hw-mpkt-sent	(Optional)
hw-mpkt-recv	(Optional)
hw-mbyte-sent	(Optional)
hw-mbyte-recv	(Optional)
hw-upkt-drop	(Optional)
hw-ubyte-drop	(Optional)
hw-mpkt-drop	(Optional)
hw-mbyte-drop	(Optional)
hw-mpkt-rpdrop	(Optional)
hw-mbyte-rpdrop	(Optional)
hw-mpkt-dfdrop	(Optional)
hw-mbyte-dfdrop	(Optional)
unspecified-src	(Optional)
total-pkt-recv-tent-addr	(Optional)
total-pkts-recv-invalid-addr-state	(Optional)
total-pkt-recv-dup-state	(Optional)
anycast-pkt-arrived-tcp	(Optional)
deliver-intf-down	(Optional)

Command Mode

- /exec

show ipv6 interface global

show ipv6 interface global

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
interface	Display IPv6 related interface information
global	Show IPv6 global parameters

Command Mode

- /exec

show ipv6 local-pt

show ipv6 local-pt [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
local-pt	Display IPv6 local address pt data structure
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs

Command Mode

- /exec

show ipv6 local policy

show ipv6 local policy [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_pbr [<interface>] [<rmap>] [<status>] [<vrf_name>] }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
local	IPv6 local options
policy	Policy routing
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_pbr	(Optional)
interface	(Optional)
rmap	(Optional)
status	(Optional)
vrf_name	(Optional)

Command Mode

- /exec

show ipv6 mld groups

show ipv6 [icmp] mld groups [{ <source> [<group>] } | { <group> [<source>] }] [<interface>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out> <entry-count> TABLE_group <group-out> TABLE_intf <intf-name> <icmpv6-disabled> <mld-source> <mld-group> <mld-source-unspec> <mld-static> <mld-local-group> <mld-translated> <mld-uptime> <mld-expire>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
groups	Display MLD attached group membership information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	(Optional) Display group membership on interface name
__readonly__	(Optional)
TABLE_vrf	(Optional) vrf table
vrf-name-out	(Optional) vrf name
entry-count	(Optional) entry count
TABLE_group	(Optional) group table
TABLE_intf	(Optional) interface table
intf-name	(Optional) interface name
icmpv6-disabled	(Optional) icmpv6 disabled
mld-source-unspec	(Optional) mld source unspecified
mld-static	(Optional) mld static
mld-local-group	(Optional) mld local group
mld-translated	(Optional) mld translated
mld-uptime	(Optional) mld uptime

mld-expire	(Optional) mld expire

Command Mode

- /exec

show ipv6 mld local-groups

show ipv6 [icmp] mld local-groups [<interface>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf> { TABLE_entry <group-addr> <source-addr> <static-oif> <local-group> <if-name> <last-reported> }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
local-groups	Display MLD local group membership information
interface	(Optional) Display group membership on interface name
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional) vrf table
vrf	(Optional) vrf
TABLE_entry	(Optional) entry table
static-oif	(Optional) static oif
local-group	(Optional) local group
if-name	(Optional) interface name
last-reported	(Optional) last reported

Command Mode

- /exec

show ipv6 mld vrf all

show ipv6 [icmp] mld vrf all

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
icmp	(Optional) Display ICMPv6 information
mld	Display Multicast Listener Discovery information
vrf	Display per-VRF information
all	Display MLD VRFs

Command Mode

- /exec

show ipv6 mroute

show ipv6 mroute [[bitfield] | rp | { [<group>] summary [software-forwarded] } | { summary [count | software-forwarded] } | { { <source> <group> } | { <group> [<source>] } } [summary [software-forwarded] | bitfield]] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_vrf <vrf-name> [TABLE_addr <mcast-addrs> <pending> <bidir> <uptime> [TABLE_mpib <mpib-name> <stale-route>] <if-name><rpf-nbr> <internal> <oif-count><fabric-oif><fabric-loser> [TABLE_oif <oif-name> <oif-uptime> [TABLE_oif_mpib <oif-mpib-name> <stale-oif>] <rpf>] [<oif-list-bitfield>]] [<total-route-count> <star-g-count> <source-count> <star-g-prefix-count> <group-count> <avg-sources-per-group><rem> [<reason-for-route-stats-pending>]] [TABLE_group <group-addr> <group-mask-len> <source-count-per-grp> [TABLE_source <route-or-source> [<name>] <packets> <bytes> <aps> <pps> <bit-rate-in-bps> <oifs> [<software-pkts>]]] }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) Multicast VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
mroute	Display IPv6 multicast routing table
summary	(Optional) Display route counts and packet rates
software-forwarded	(Optional) Display software switched route counts only
rp	(Optional) Display RP routes (RP, 0.0.0.0/32)
count	(Optional) Display route counts only
bitfield	(Optional) Display bitfield details
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_addr	(Optional)
mcast-addrs	(Optional)
bidir	(Optional)
pending	(Optional)
uptime	(Optional)

internal	(Optional)
TABLE_mpib	(Optional)
mpib-name	(Optional)
stale-route	(Optional)
TABLE_oif	(Optional)
oif-name	(Optional)
oif-uptime	(Optional)
rpf	(Optional)
oif-list-bitfield	(Optional)
TABLE_oif_mpib	(Optional)
oif-mpib-name	(Optional)
stale-oif	(Optional)
total-route-count	(Optional)
star-g-count	(Optional)
source-count	(Optional)
star-g-prefix-count	(Optional)
group-count	(Optional)
reason-for-route-stats-pending	(Optional)
TABLE_group	(Optional)
group-addr	(Optional)
group-mask-len	(Optional)
source-count-per-grp	(Optional)
TABLE_source	(Optional)
route-or-source	(Optional)
name	(Optional)
packets	(Optional)
bytes	(Optional)
aps	(Optional)
pps	(Optional)

bit-rate-in-bps	(Optional)
oifs	(Optional)
software-pkts	(Optional)

Command Mode

- /exec

show ipv6 mtu

show ipv6 mtu [statistics | vrf { <vrf-name> | <vrf-known-name> | all [detail] }] [__readonly__ [TABLE_mtu_stat <out-ent> <exp-ent> <purge-ent> <int-err> <pkt-too-big> <cache-miss> <cache-upd> <mtu-small> <cache-no-upd>] [TABLE_mtu_vrf [<tot-ipv6-mtu>] [TABLE_one_mtu [<pmtu-cntxt>] [{ <mtu-ipv6> <mtu-cache> <up-time> <iod-lcache> }]]]]

Syntax Description

show	Show running system information
ipv6	Display IPV6 information
mtu	Display IPV6 Path MTU Cache
statistics	(Optional) Display non-TCP Path MTU Statistics
vrf	(Optional) Clear information for particular VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
detail	(Optional) Display IPV6 Path MTU Cache with detail
__readonly__	(Optional)
TABLE_mtu_stat	(Optional) mtu statistic table
out-ent	(Optional) outstanding entries
exp-ent	(Optional) expired entries
purge-ent	(Optional) purge entries
int-err	(Optional) internal entries
pkt-too-big	(Optional) packets too big meassages received
cache-miss	(Optional) cache misses
cache-upd	(Optional) cache updates
mtu-small	(Optional) too small mtu advertised
cache-no-upd	(Optional) cache no update
TABLE_mtu_vrf	(Optional) MTU vrf table
tot-ipv6-mtu	(Optional) total ipv6 mtu messages
TABLE_one_mtu	(Optional) MTU table

pmtu-cntxt	(Optional) pmtu context
mtu-cache	(Optional) mtu cache
up-time	(Optional) up time
iod-lcache	(Optional) iod lcache

Command Mode

- /exec

show ipv6 multicast vrf

show ipv6 multicast vrf [{ <vrf-name> | <vrf-known-name> | all }] [__readonly__ <vrf-count> { TABLE_vrf <vrf-name> <cid> <tid> <rc> <gc> <sc> <star_gc> }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
multicast	Display multicast routing VRFs
vrf	Display multicast routing VRFs
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-count	(Optional)
cid	(Optional)
tid	(Optional)
rc	(Optional)
gc	(Optional)
sc	(Optional)
star_gc	(Optional)

Command Mode

- /exec

show ipv6 nd ra dns search-list

show ipv6 nd ra dns search-list [interface <interface>] [__readonly__ { TABLE_intf <intf_name> <dns_supress_server_list> [{ TABLE_list <list_no> <list_name> [{ <finite> | <infinite> }] <seq_no> }] }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
search-list	DNS Search List
interface	(Optional) Display DNS Search List information on interface
interface	(Optional) Interface name to display
__readonly__	(Optional)
TABLE_intf	(Optional) IPV6 Interface name
intf_name	(Optional) Interface name
dns_supress_server_list	(Optional) DNS Supress server list
TABLE_list	(Optional) Search list
list_no	(Optional) Search list number
list_name	(Optional) Search list name
finite	(Optional) Search list life time
infinite	(Optional) Search list infinte time
seq_no	(Optional) Search list sequence number

Command Mode

- /exec

show ipv6 nd ra dns server

show ipv6 nd ra dns server [interface <interface>] [__readonly__ [{ TABLE_intf_name [<inf-name>] }] [{ TABLE_intf [<dns-recursion-server-list>] [<dns-suppresion-server-list>] [{ TABLE_dns_server [<dns-server-index>] [<dns-server-list>] [<lifetime>] [<second-seqno>] }] [{ TABLE_dns_seq [<dns-server>] [<dns-addr>] [<infinite-seq-no>] }] }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
ra	Router Advertisement
dns	Domain Name System
server	Domain Name System Server
interface	(Optional) Display Recursive DNS Server List information on interface
interface	(Optional) Interface name to display
__readonly__	(Optional)
TABLE_intf_name	(Optional) interface table
inf-name	(Optional) interface name
TABLE_intf	(Optional)
dns-recursion-server-list	(Optional) DNS recursion server list
dns-suppresion-server-list	(Optional) DNS suppresion server list
TABLE_dns_server	(Optional) DNS server table
dns-server-index	(Optional) dns server index
dns-server-list	(Optional) dns server list
lifetime	(Optional) server lifetime
second-seqno	(Optional) second sequence number
TABLE_dns_seq	(Optional) DNS sequence table
dns-server	(Optional) dns server
dns-addr	(Optional) dns address
infinite-seq-no	(Optional) infinite sequence number

Command Mode

- /exec

show ipv6 nd raguard policy

show ipv6 nd raguard policy [<name>] [__readonly__ { TABLE_raguard_policy <policy> [<port_type>] <device_role> [<min_hop_limit>] [<max_hop_limit>] [<mgd_conf_flag>] [<other_conf_flag>] [<rtr_pref_max>] [<ra_prefix_list>] [<ipv6_acl>] [{ TABLE_raguard_targets <target> <target_type> <target_policy> <feature> <target_range> }] }]

Syntax Description

name	(Optional) Policy name for feature RA guard
__readonly__	(Optional)
TABLE_raguard_policy	(Optional) IPv6 RA guard policy
policy	(Optional) Policy Name
port_type	(Optional) Port type
device_role	(Optional) Device role
min_hop_limit	(Optional) Minimum hop limit
max_hop_limit	(Optional) Minimum hop limit
mgd_conf_flag	(Optional) Check managed config flag
other_conf_flag	(Optional) Check other config flag
rtr_pref_max	(Optional) Router-preference maxmium
ra_prefix_list	(Optional) Match RA prefix list
ipv6_acl	(Optional) Match IPv6 access list
TABLE_raguard_targets	(Optional) RA Guard Targets table
target	(Optional) Target Name
target_type	(Optional) Target Type
target_policy	(Optional) Policy Name
feature	(Optional) Feature
target_range	(Optional) Target Range

Command Mode

- /exec

show ipv6 nd rt-pref global pt

show ipv6 nd rt-pref global pt

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
nd	ICMPv6 Neighbor Discovery commands
rt-pref	Router Preference
global	Global
pt	PTREE

Command Mode

- /exec

show ipv6 ndp

show ipv6 ndp

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
ndp	Show IPv6 neighbors from netstack

Command Mode

- /exec

show ipv6 neighbor binding

show ipv6 neighbor binding [{ { vlan <vlanid> [details] } | { { address { <ipv6-addr> | all } } { interface <intfid> vlan <vlanid> [details] |

Syntax Description

intfid	(Optional) [details]
show	Show running system information
ipv6	Show the IPv6 features of the system
vlanid	(Optional) Vlan number

Command Mode

- /exec

show ipv6 neighbor binding mac

show ipv6 neighbor binding mac <macaddr> { interface <intfid> vlan <vlanid> [details] |

Syntax Description

intfid	[details]
show	Show running system information
ipv6	Show the IPv6 features of the system
macaddr	48-bit hardware address
vlanid	Vlan number

Command Mode

- /exec

show ipv6 neighbor static

show ipv6 neighbor static [interface <interface>] [__readonly__ [TABLE_i6_nei { <nei-ipv6> <nei-mac> <nei-iod> <nei-if-iod> }] [<tot-nei-ent>] [TABLE_nei_cnt { <nei-ipv6-tot> <nei-mac-tot> <nei-iod-tot> <nei-if-iod-tot> }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
neighbor	Show IPv6 neighbor entry
static	Displays only static neighbors
interface	(Optional) Display IPv6 related interface information
interface	(Optional) Interface name to display
__readonly__	(Optional)
TABLE_i6_nei	(Optional) ipv6 neighbor table
nei-mac	(Optional) neighbor mac address
nei-iod	(Optional) neighbor iod
nei-if-iod	(Optional) neighbor interface iod
tot-nei-ent	(Optional) total neighbor entries
TABLE_nei_cnt	(Optional) neighbor count table
nei-mac-tot	(Optional) neighbor mac address
nei-iod-tot	(Optional) neighbor iod
nei-if-iod-tot	(Optional) neighbor physical interface iod

Command Mode

- /exec

show ipv6 pim bitfield

show ipv6 pim bitfield

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
bitfield	Display compressed bitfield details

Command Mode

- /exec

show ipv6 pim df

show ipv6 pim df [<rp-or-group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-context>] [{ TABLE_rp [<rp-addr>] [<df-ordinal>] [<df-bits>] [<df-bits-count>] [<metric-pref>] [<metric>] [{ TABLE_grange [<grange-grp>] [<grange-masklen>] }] [{ TABLE_iod [<if-name>] [<df-winner>] [<df-state>] [<winner-metric-pref>] [<winner-metric>] [<uptime>] [<is-rpf>] }] }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
df	Display Bidir Designated Forwarders
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-context	(Optional)
TABLE_rp	(Optional)
df-ordinal	(Optional)
df-bits	(Optional)
df-bits-count	(Optional)
metric-pref	(Optional)
metric	(Optional)
TABLE_grange	(Optional)
grange-masklen	(Optional)
TABLE_iod	(Optional)
if-name	(Optional)
df-state	(Optional)
winner-metric-pref	(Optional)
winner-metric	(Optional)

uptime	(Optional)
is-rpf	(Optional)

Command Mode

- /exec

show ipv6 pim embed-rp

show ipv6 pim embed-rp <group>

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
embed-rp	Display Embed-RP group address mapping

Command Mode

- /exec

show ipv6 pim event-history

show ipv6 pim [internal] event-history { errors | msgs | <pim6-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
internal	(Optional) Commands for internal use
event-history	Show various event logs of PIM6
errors	Show error logs of PIM6
msgs	Show various message logs of PIM6
pim6-event-hist-buf-name	Show logs of event-hist buffer
statistics	Show state and size of buffers

Command Mode

- /exec

show ipv6 pim fabric info

show ipv6 pim fabric info [__readonly__ <switch_role>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
info	show the fabric info
__readonly__	(Optional)
switch_role	(Optional)

Command Mode

- /exec

show ipv6 pim fabric legacy-vlans

show ipv6 pim fabric legacy-vlans [__readonly__ TABLE_legacy_vlan <vlan_id>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
fabric	Fabric functionality
legacy-vlans	Show legacy VLANs on this switch
__readonly__	(Optional)
TABLE_legacy_vlan	(Optional)
vlan_id	(Optional)

Command Mode

- /exec

show ipv6 pim group-range

show ipv6 pim group-range [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-context>] [{ TABLE_group [<invalid-grp>] [<grp-addr>] [<mode>] [<rp-addr>] [<sh-tree-only-range>] }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
group-range	Display the various group ranges
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-context	(Optional)
TABLE_group	(Optional)
invalid-grp	(Optional)
grp-addr	(Optional)
mode	(Optional)
rp-addr	(Optional)
sh-tree-only-range	(Optional)

Command Mode

- /exec

show ipv6 pim interface show ipv6 pim interface

show ipv6 pim interface <interface> | show ipv6 pim interface [brief] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-context>] [{ TABLE_iod [<if-name>] [<if-addr>] [<if-status>] [<dr>] [<is-iface-in-cib>] [<is-pim-enabled>] [<if-addr-summary>] [<dr-priority>] [<no-dr-priority>] [<nbr-cnt>] [<hello-interval-sec>] [<hello-interval-msec>] [<hello-timer>] [<holdtime-sec>] [<holdtime-msec>] [<is-border>] [<genid>] [<isauth-config>] [<nbr-policy-name>] [<jp-in-policy-name>] [<jp-out-policy-name>] [<is-passive>] [<last-cleared>] [<hello-sent>] [<hello-rcvd>] [<jp-sent>] [<jp-rcvd>] [<assert-sent>] [<assert-rcvd>] [<graft-sent>] [<graft-rcvd>] [<graft-ack-sent>] [<graft-ack-rcvd>] [<df-offer-sent>] [<df-offer-rcvd>] [<df-winner-sent>] [<df-winner-rcvd>] [<df-backoff-sent>] [<df-backoff-rcvd>] [<pass-sent>] [<pass-rcvd>] [<cksum-errors>] [<invalid-errors>] [<invalid-df-errors>] [<auth-failed>] [<pak-len-errors>] [<ver-errors>] [<pkts-self>] [<pkts-non-nbr>] [<pkts-on-passive>] [<jp-rcvd-on-rpf>] [<jp-rcvd-no-rp>] [<jp-rcvd-wrong-rp>] [<jp-rcvd-for-ssm>] [<jp-rcvd-for-bidir>] [<jp-in-policy-filter>] [<jp-out-policy-filter>] }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
interface	Display PIM6 interface related information
interface	Interface name of single interface to display
brief	(Optional) Display one line status per interface
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-context	(Optional)
TABLE_iod	(Optional)
if-name	(Optional)
if-addr	(Optional)
dr	(Optional)
nbr-cnt	(Optional)
is-iface-in-cib	(Optional)
is-pim-enabled	(Optional)

is-border	(Optional)
if-addr-summary	(Optional)
if-status	(Optional)
dr-priority	(Optional)
no-dr-priority	(Optional)
hello-interval-sec	(Optional)
hello-interval-msec	(Optional)
hello-timer	(Optional)
holdtime-sec	(Optional)
holdtime-msec	(Optional)
genid	(Optional)
isauth-config	(Optional)
is-passive	(Optional)
nbr-policy-name	(Optional)
jp-in-policy-name	(Optional)
jp-out-policy-name	(Optional)
last-cleared	(Optional)
hello-sent	(Optional)
hello-rcvd	(Optional)
jp-sent	(Optional)
jp-rcvd	(Optional)
assert-sent	(Optional)
assert-rcvd	(Optional)
graft-sent	(Optional)
graft-rcvd	(Optional)
graft-ack-sent	(Optional)
graft-ack-rcvd	(Optional)
df-offer-sent	(Optional)
df-offer-rcvd	(Optional)

df-winner-sent	(Optional)
df-winner-rcvd	(Optional)
df-backoff-sent	(Optional)
df-backoff-rcvd	(Optional)
pass-sent	(Optional)
pass-rcvd	(Optional)
cksum-errors	(Optional)
invalid-errors	(Optional)
invalid-df-errors	(Optional)
auth-failed	(Optional)
pak-len-errors	(Optional)
ver-errors	(Optional)
pkts-self	(Optional)
pkts-non-nbr	(Optional)
pkts-on-passive	(Optional)
jp-rcvd-on-rpf	(Optional)
jp-rcvd-no-rp	(Optional)
jp-rcvd-wrong-rp	(Optional)
jp-rcvd-for-ssm	(Optional)
jp-rcvd-for-bidir	(Optional)
jp-in-policy-filter	(Optional)
jp-out-policy-filter	(Optional)

Command Mode

- /exec

show ipv6 pim neighbor

show ipv6 pim neighbor { [<interface>] | [<ipv6addr>] } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_vrf <out-context> [TABLE_neighbor <nbr-addr><if-name><uptime><expires> [<dr-priority>] <bidir-capable> <bfd-state><name> [TABLE_secondary <sec-addr>]]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
neighbor	Display PIM6 neighbor related information
interface	(Optional) Display neighbors on single interface name
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out-context	(Optional)
TABLE_neighbor	(Optional)
dr-priority	(Optional)
bidir-capable	(Optional)
TABLE_secondary	(Optional)

Command Mode

- /exec

show ipv6 pim oif-list

show ipv6 pim oif-list <group> [<source>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name> { TABLE_grp <mcast-addrs> <incoming-intf> <rpf-nbr> <timeout-interval> <oif-list-count> [{ TABLE_oiflist <oif-name> }] <timeout-list-count> [{ TABLE_timeoutlist <timeoutoif-name> }] <immediate-list-count> [{ TABLE_immediatelist <immediateoif-name> }] <immediate-timeout-list-count> [{ TABLE_immediatetimeoutlist <immediatetimeoutoif-name> }] <sgr-prune-list-count> [{ TABLE_sgrprunelist <sgrprunelistoif-name> }] }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
oif-list	Display interfaces for oif-list of PIM6 route
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_grp	(Optional)
mcast-addrs	(Optional)
incoming-intf	(Optional)
timeout-interval	(Optional)
oif-list-count	(Optional)
TABLE_oiflist	(Optional)
oif-name	(Optional)
timeout-list-count	(Optional)
TABLE_timeoutlist	(Optional)
timeoutoif-name	(Optional)
immediate-list-count	(Optional)

TABLE_immediatelist	(Optional)
immediateoif-name	(Optional)
immediate-timeout-list-count	(Optional)
TABLE_immediatetimeoutlist	(Optional)
immediatetimeoutoif-name	(Optional)
sgr-prune-list-count	(Optional)
TABLE_sgrprunelist	(Optional)
sgrprunelistoif-name	(Optional)

Command Mode

- /exec

show ipv6 pim policy statistics jp

show ipv6 pim policy statistics { jp-policy | neighbor-policy } <interface> [__readonly__ { TABLE_routemap <name> <action> <seq_num> [{ TABLE_cmd <command> <match_count> <compare_count> }] } <total_accept_count> <total_reject_count>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
policy	Policy related information
statistics	Policy statistics
jp-policy	Statistics for jp-policy
neighbor-policy	Statistics for neighbor-policy
interface	Interface to display policy statistics for
__readonly__	(Optional)
TABLE_routemap	(Optional)
name	(Optional)
action	(Optional)
seq_num	(Optional)
TABLE_cmd	(Optional)
command	(Optional)
compare_count	(Optional)
match_count	(Optional)
total_accept_count	(Optional)
total_reject_count	(Optional)

Command Mode

- /exec

show ipv6 pim route

show ipv6 pim route { [bitfield] | <source> <group> | <group> [<source>] [bitfield] } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <context-name> <route-count> [TABLE_one_route <mcast-addrs> [<rp-addr> <rp-local>] <bidir> <sgexpire> <is-fabricowned> [<sgrexpire>] [<timeleft>] <rp-bit> [<register>] [<assert-timeout>] <intf-name> <rpf-nbr-1> <rpf-nbr-addr> <rpf-nbr-2> [<metric-pref> <route-metric>] [<oif-count>] [<oif-bf-str>] [<timeout-count>] [<timeout-bf-str>] [<immediate-count>] [<immediate-bf-str>] [<immediate-timeout-count>] [<immediate-timeout-bf-str>] [<sgr-prune-list-count>] [<sgr-prune-list-bf-str>] [<timeout-interval> <jp-holdtime-rndup>]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
route	Display PIM6 specific route information
bitfield	(Optional) Display details of each bitfield for PIM6 route
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
context-name	(Optional)
route-count	(Optional)
TABLE_one_route	(Optional)
mcast-addrs	(Optional)
rp-addr	(Optional)
rp-local	(Optional)
bidir	(Optional)
sgexpire	(Optional)
is-fabricowned	(Optional)
sgrexpire	(Optional)
timeleft	(Optional)

rp-bit	(Optional)
register	(Optional)
assert-timeout	(Optional)
intf-name	(Optional)
rpf-nbr-1	(Optional)
rpf-nbr-addr	(Optional)
rpf-nbr-2	(Optional)
metric-pref	(Optional)
route-metric	(Optional)
oif-count	(Optional)
oif-bf-str	(Optional)
timeout-count	(Optional)
timeout-bf-str	(Optional)
immediate-count	(Optional)
immediate-bf-str	(Optional)
immediate-timeout-count	(Optional)
immediate-timeout-bf-str	(Optional)
sgr-prune-list-count	(Optional)
sgr-prune-list-bf-str	(Optional)
timeout-interval	(Optional)
jp-holdtime-rndup	(Optional)

Command Mode

- /exec

show ipv6 pim rp-hash

show ipv6 pim rp-hash <group> [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-context>] [<rp-found>] [<is-rp-bsr-learnt>] [<out-group>] [<hash-length>] [<out-bsr>] [{ TABLE_rp [<rp-addr>] [<hash>] [<isbest_hash>] }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp-hash	Display RP hash value for group
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-context	(Optional)
rp-found	(Optional)
is-rp-bsr-learnt	(Optional)
hash-length	(Optional)
TABLE_rp	(Optional)
hash	(Optional)
isbest_hash	(Optional)

Command Mode

- /exec

show ipv6 pim rp

show ipv6 pim rp [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-context>] [<is-bsr-enabled>] [<is-bsr-listen-only>] [<is-bsr-forward-only>] [<are-we-bsr>] [<bsr-address>] [<is-bsr-address>] [<bsr-priority>] [<bsr-hash-masklen>] [<bs-timer>] [<bsr-uptime>] [<bsr-expires>] [<is-autorp-enabled>] [<is-autorp-listen-only>] [<is-autorp-forward-only>] [<are-we-autorp>] [<autorp-address>] [<is-autorp-address>] [<autorp-dis-timer>] [<autorp-up-time>] [<autorp-expire-time>] [<rp-cand-policy-name>] [<bsr-policy-name>] [<rp-announce-policy-name>] [<rp-discovery-policy-name>] [{ TABLE_anycast_rp [<anycast-rp-addr>] [{ TABLE_arp_rp [<arp-rp-addr>] [<is-rpaddr-local>] }] }] [{ TABLE_rp [<rp-addr>] [<is-rp-in-cib>] [<df-ordinal>] [<rp-uptime>] [<rp-priority>] [<autorp-expires>] [<bsr-rp-expires>] [<autorp-info-src>] [<bsr-info-src>] [<is-rp-static>] [<static-rp-group-map>] [{ TABLE_grange [<grange-grp>] [<grange-masklen>] [<is-bidir-grp>] [<is-autorp-rp-owner>] [<is-bsr-rp-owner>] [<is-static-rp-owner>] }] }]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
rp	Display PIM6 RP, Auto-RP, and BSR related information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
out-context	(Optional)
is-bsr-enabled	(Optional)
is-bsr-listen-only	(Optional)
is-bsr-forward-only	(Optional)
are-we-bsr	(Optional)
is-bsr-address	(Optional)
bsr-priority	(Optional)
bsr-hash-masklen	(Optional)
bs-timer	(Optional)
bsr-uptime	(Optional)

bsr-expires	(Optional)
is-autorp-enabled	(Optional)
is-autorp-listen-only	(Optional)
is-autorp-forward-only	(Optional)
are-we-autorp	(Optional)
is-autorp-address	(Optional)
autorp-dis-timer	(Optional)
autorp-up-time	(Optional)
autorp-expire-time	(Optional)
rp-cand-policy-name	(Optional)
bsr-policy-name	(Optional)
rp-announce-policy-name	(Optional)
rp-discovery-policy-name	(Optional)
TABLE_anycast_rp	(Optional)
TABLE_arp_rp	(Optional)
is-rpaddr-local	(Optional)
TABLE_rp	(Optional)
is-rp-in-cib	(Optional)
df-ordinal	(Optional)
rp-uptime	(Optional)
rp-priority	(Optional)
autorp-expires	(Optional)
bsr-rp-expires	(Optional)
is-rp-static	(Optional)
static-rp-group-map	(Optional)
TABLE_grange	(Optional)
grange-masklen	(Optional)
is-bidir-grp	(Optional)
is-autorp-rp-owner	(Optional)

is-bsr-rp-owner	(Optional)
is-static-rp-owner	(Optional)

Command Mode

- /exec

show ipv6 pim statistics

show ipv6 pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<uptime>] [<reg-sent>] [<reg-rcvd>] [<null-reg-sent>] [<null-reg-rcvd>] [<reg-stop-sent>] [<reg-stop-rcvd>] [<reg-rcvd-not-rp>] [<reg-rcvd-for-ssm>] [<reg-rcvd-for-bidir>] [<bootstrap-sent>] [<bootstrap-rcvd>] [<cand-rp-sent>] [<cand-rp-rcvd>] [<bs-no-nbr>] [<bs-border-deny>] [<bs-len-errors>] [<bs-rpf-failed>] [<bs-no-listen>] [<candrp-border-deny>] [<candrp-no-listen>] [<autorp-announce-sent>] [<autorp-announce-rcvd>] [<autorp-discovery-sent>] [<autorp-discovery-rcvd>] [<autorp-rpf-failed>] [<autorp-border-deny>] [<autorp-invalid-type>] [<autorp-ttl-expired>] [<autorp-no-listen>] [<ctrl-no-route>] [<data-no-route>] [<no-state>] [<create-state>]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
statistics	Packet counter statistics
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
uptime	(Optional)
reg-sent	(Optional)
reg-rcvd	(Optional)
null-reg-sent	(Optional)
null-reg-rcvd	(Optional)
reg-stop-sent	(Optional)
reg-stop-rcvd	(Optional)
reg-rcvd-not-rp	(Optional)
reg-rcvd-for-ssm	(Optional)
reg-rcvd-for-bidir	(Optional)
bootstrap-sent	(Optional)
bootstrap-rcvd	(Optional)

cand-rp-sent	(Optional)
cand-rp-rcvd	(Optional)
bs-no-nbr	(Optional)
bs-border-deny	(Optional)
bs-len-errors	(Optional)
bs-rpf-failed	(Optional)
bs-no-listen	(Optional)
candrp-border-deny	(Optional)
candrp-no-listen	(Optional)
autorp-announce-sent	(Optional)
autorp-announce-rcvd	(Optional)
autorp-discovery-sent	(Optional)
autorp-discovery-rcvd	(Optional)
autorp-rpf-failed	(Optional)
autorp-border-deny	(Optional)
autorp-invalid-type	(Optional)
autorp-ttl-expired	(Optional)
autorp-no-listen	(Optional)
ctrl-no-route	(Optional)
data-no-route	(Optional)
no-state	(Optional)
create-state	(Optional)

Command Mode

- /exec

show ipv6 pim vrf

show ipv6 pim vrf [{ <vrf-name> | <vrf-known-name> | all }] [detail] [__readonly__ TABLE_context [<out-context>] [<context-id>] [<count>] [<table-id>]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
pim	Display PIM6 status and configuration
vrf	Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs PIM6 is configured for
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_context	(Optional)
out-context	(Optional)
context-id	(Optional)
table-id	(Optional)
count	(Optional)

Command Mode

- /exec

show ipv6 policy

show ipv6 policy [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_pbr [<interface>] [<rmap>] [<status>] [<vrf_name>] }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
policy	Policy routing
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_pbr	(Optional)
interface	(Optional)
rmap	(Optional)
status	(Optional)
vrf_name	(Optional)

Command Mode

- /exec

show ipv6 prefix-list

show ipv6 prefix-list { { [detail | summary] [<ipv6-pfl-name> | <ipv6-pfl-cfg-name>] } | { { <ipv6-pfl-name> | <ipv6-pfl-cfg-name> } seq <seq-no> } | { { <ipv6-pfl-name> | <ipv6-pfl-cfg-name> } <prefix> [first-match | longer] } } [__readonly__ TABLE_ipv6_pfl <name> <seq> <action> <rule>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
detail	(Optional) Show detailed information
summary	(Optional) Show summarized information
prefix-list	List IPv6 prefix lists
ipv6-pfl-name	(Optional) Name of prefix-list
ipv6-pfl-cfg-name	(Optional) Known prefix-list name
seq	Sequence number
seq-no	Sequence number
first-match	(Optional) Find the first match
longer	(Optional) Find the more specific entries
__readonly__	(Optional)
TABLE_ipv6_pfl	(Optional)
name	(Optional)
seq	(Optional)
action	(Optional)
rule	(Optional)

Command Mode

- /exec

show ipv6 process

show ipv6 process [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_ipv6_all { <cnxt-name> <cnxt-id> }] [TABLE_ipv6 { <ipv6-vrf> <ipv6-vrf-id> <auto-disc> <auto-add> <sta-disc> <sta-def> [<ipv6-unreach>] } [TABLE_iod { <iod-val> <iod-ifind> }] [TABLE_ipv6_nxt { <ipv6-nxt> }]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
process	Display IPv6 global information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display all VRFs
__readonly__	(Optional)
TABLE_ipv6_all	(Optional) IPV6 process table
cnxt-name	(Optional) context name
cnxt-id	(Optional) context name
TABLE_ipv6	(Optional) ipv6 table
ipv6-vrf	(Optional) vrf name
ipv6-vrf-id	(Optional) vrf id
auto-disc	(Optional) auto discard
auto-add	(Optional) auto add
sta-disc	(Optional) static discard
sta-def	(Optional) static def
ipv6-unreach	(Optional) ipv6 unreachable
TABLE_iod	(Optional) IOD table
iod-val	(Optional) iod value
iod-ifind	(Optional) iod if index
TABLE_ipv6_nxt	(Optional) ipv6 next hop table

Command Mode

- /exec

show ipv6 process sdb

show ipv6 process sdb

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
process	Display IPv6 global information
sdb	Dump IPv6 sdb in a file

Command Mode

- /exec

show ipv6 raguard statistics

show ipv6 raguard statistics [interface <intf-range>] [__readonly__ <msg_stats_hdr> <intf2> <rx_pkts> <drop_count>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
raguard	IPV6 raguard
statistics	RA packet drop count
interface	(Optional) Raguard enabled interfaces
intf-range	(Optional) interface
__readonly__	(Optional) Read only
msg_stats_hdr	(Optional)
intf2	(Optional) interface name
rx_pkts	(Optional)
drop_count	(Optional)

Command Mode

- /exec

show ipv6 rip policy statistics redistribute

show ipv6 rip [instance <inst>] policy statistics redistribute { bgp <as> | { eigrp | isis | <src-rip> | ospfv3 | lisp } <tag> | direct | static } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_asn <asn> TABLE_vrf <vrf> { TABLE_rmap <name> <action> <seq_num> [{ TABLE_cmd <command> <compare_count> <match_count> }] } <total_accept_count> <total_reject_count>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
rip	Display RIP routing protocol status
instance	(Optional) Process ID
inst	(Optional) Process ID
policy	Policy related information
statistics	Policy statistics
redistribute	RIP redistribute routes from other routing protocol
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
eigrp	Enhanced Interior Gateway Routing Protocol (EIGRP)
isis	Intermediate-to-intermediate (ISIS)
src-rip	Routing Information Protocol (RIP)
ospfv3	Open Shortest Path First (OSPFv3)
lisp	LISP EID-prefixes
tag	Process tag
direct	Directly connected routes
static	Static routes
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)

TABLE_asn	(Optional) AS number table
asn	(Optional) AS number
TABLE_vrf	(Optional) VRF table
vrf	(Optional) VRF name
TABLE_rmap	(Optional) Routemap table
name	(Optional) Route-map Name
action	(Optional) Route-map action
seq_num	(Optional) Sequence number of the rule in route-map
TABLE_cmd	(Optional) Route-map command table
command	(Optional) Route-map command
compare_count	(Optional) Number of comparisons
match_count	(Optional) Number of matches
total_accept_count	(Optional) Total number of packets accepted by the policy
total_reject_count	(Optional) Total number of packets rejected by the policy

Command Mode

- /exec

show ipv6 route

show ipv6 route [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ipv6-addr> | { <ipv6-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <ipv6-protocol> [all] } | { next-hop <next-hop> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | { [detail] [deleted] }] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> [<attached>] TABLE_path [<ubest>] [<mbest>] [<ipnexthop>] [<ifname>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<stalelbl>] [<hidden>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
route	Display IPv6 routing table
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
ipv6-protocol	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
next-hop	(Optional) Display routes with this next-hop only
interface	(Optional) Display routes with this output interface only
interface	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time

since	(Optional) Display those routes updated since this time
stime	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
utime	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
deleted	(Optional) Display delete-pending routes also
detail	(Optional) Display routes in full detail
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_addrf	(Optional)
addrf	(Optional)
TABLE_prefix	(Optional)
ucast-nhops	(Optional)
mcast-nhops	(Optional)
attached	(Optional)
TABLE_path	(Optional)
ubest	(Optional)
mbest	(Optional)
ifname	(Optional)
pref	(Optional)
tag	(Optional)
metric	(Optional)
uptime	(Optional)
clientname	(Optional)
type	(Optional)
stale	(Optional)
stalelbl	(Optional)
hidden	(Optional)

TABLE_summary	(Optional)
routes	(Optional)
paths	(Optional)
multicast_paths	(Optional)
TABLE_unicast	(Optional)
clientnameuni	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_multicast	(Optional)
clientnamemulti	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_route_count	(Optional)
mask_len	(Optional)
count	(Optional)

Command Mode

- /exec

show ipv6 routers

show ipv6 routers [all-routers] [[interface <interface>] | [vrf { <vrf-name> | <vrf-known-name> | all }]] [__readonly__ { TABLE_ipv6_routers [TABLE_interface_ipv6 { <rtr-ipv6> <ipv6-int-addr> <rtr-flo-time> <curr-hop-lmt> <life-time> <addr-flag> <other-flg> <mtu-rtr> <hm-agent-flg> <preference> <reach-time> <retrans-time> [TABLE_prefix_ipv6 { <ipv6-prefix> <buf-ipv6> <buf-autono> <valid-life-time> <prefer-life> }] }] }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
routers	Display neighbor router information
all-routers	(Optional) All routers even on down interface
interface	(Optional) Display neighbor router information on interface
interface	(Optional) Interface name to display
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_ipv6_routers	(Optional) ipv6 router table
TABLE_interface_ipv6	(Optional) ipv6 interface table
ipv6-int-addr	(Optional) ipv6 interface address
rtr-flo-time	(Optional) last updated time
curr-hop-lmt	(Optional) current hop limit
life-time	(Optional) life time
addr-flag	(Optional) address flag
other-flg	(Optional) other flag
mtu-rtr	(Optional) router MTU
hm-agent-flg	(Optional) home agent flag
preference	(Optional) preference
reach-time	(Optional) reachable time

retrans-time	(Optional) retransmission time
TABLE_prefix_ipv6	(Optional) ipv6 prefix table
ipv6-prefix	(Optional) ipv6 prefix
buf-ipv6	(Optional) ipv6 buffer
buf-autono	(Optional) ipv6 buffer autonomous flag
valid-life-time	(Optional) ipv6 valid life time
prefer-life	(Optional) ipv6 preferred life time

Command Mode

- /exec

show ipv6 snooping capture-policy

show ipv6 snooping capture-policy [vlan <vlanid>] [interface <intf>] [__readonly__ <cmdout>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
vlanid	(Optional) VLAN ID
intf	(Optional) interface
__readonly__	(Optional)
cmdout	(Optional)

Command Mode

- /exec

show ipv6 snooping counters vlan

show ipv6 snooping counters { { vlan <vlanid> } | { interface <intf> } } [__readonly__ [{ TABLE_target_counters <target> [{ TABLE_protocol_msgs <protocol_name> [{ TABLE_sub_protocol_msgs [<subfield_name>] [<msg_count>] }] }] [{ TABLE_bridged_msgs <protocol_name> [{ TABLE_sub_protocol_msgs [<subfield_name>] [<msg_count>] }] }] [{ TABLE_dropped_msgs <feature_name> <protocol_name> [{ TABLE_sub_protocol_msgs [<subfield_name>] [<msg_count>] [<drop_reason>] }] }] }]]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
vlanid	VLAN ID
intf	interface
__readonly__	(Optional)
TABLE_target_counters	(Optional) Policy counters per target
target	(Optional) Target Name
TABLE_protocol_msgs	(Optional) Protocol messages table
protocol_name	(Optional) Protocol name
TABLE_sub_protocol_msgs	(Optional) Protocol sub-messages table
subfield_name	(Optional) Sub-field name
msg_count	(Optional) Message count
TABLE_bridged_msgs	(Optional) Bridged messages table
protocol_name	(Optional) Protocol name
TABLE_sub_protocol_msgs	(Optional) Protocol sub-messages table
subfield_name	(Optional) Sub-field name
msg_count	(Optional) Message count
TABLE_dropped_msgs	(Optional) Bridged messages table
feature_name	(Optional) Feature name
protocol_name	(Optional) Protocol name
TABLE_sub_protocol_msgs	(Optional) Protocol sub-messages table
subfield_name	(Optional) Sub-field name

msg_count	(Optional) Message count
drop_reason	(Optional) Drop reason

Command Mode

- /exec

show ipv6 snooping events

show ipv6 snooping events [__readonly__ <cmdout>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
__readonly__	(Optional)
cmdout	(Optional)

Command Mode

- /exec

show ipv6 snooping features

show ipv6 snooping features [__readonly__ { TABLE_features <name> <priority> <state> }]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
__readonly__	(Optional)
TABLE_features	(Optional) IPv6 Snooping Features
name	(Optional) Name
priority	(Optional) Priority
state	(Optional) State

Command Mode

- /exec

show ipv6 snooping messages

show ipv6 snooping messages [detailed <count>] [__readonly__ <cmdout>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
count	(Optional) Number of messages to display
__readonly__	(Optional)
cmdout	(Optional)

Command Mode

- /exec

show ipv6 snooping policies

show ipv6 snooping policies { [vlan <vlanid>] | [interface <intf>] } [__readonly__ { TABLE_policies <target> <target_type> <policy> <feature> <target_range> }]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
vlanid	(Optional) VLAN ID
intf	(Optional) interface
__readonly__	(Optional)
TABLE_policies	(Optional) IPv6 Snooping Policies
target	(Optional) Target Name
target_type	(Optional) Target Type
policy	(Optional) Policy Name
feature	(Optional) Feature
target_range	(Optional) Target Range

Command Mode

- /exec

show ipv6 snooping policy

show ipv6 snooping policy [<policy_name>] [__readonly__ { [TABLE_glean_policy <policy> [<port_type>] <sec_lvl> <device_role> [<data_glean>] [<dest_glean>] [<glean_type>] [<reachable_lifetime>] [<stale_lifetime>] { [TABLE_non_glean_protocols | TABLE_glean_protocols # 395 ../feature/sisf/core/nxos/src/sisf_glean_dme.cmd <protocol> [<prefix_list>]] } [<limit_address_cnt>] [<limit_address_cnt_v4_per_mac>] [<limit_address_cnt_v6_per_mac>] [<limit_address_cnt_v4_per_target>] [<tracking>] { [TABLE_targets <target> <target_type> <target_policy> <feature> <target_range>] }] }]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
policy_name	(Optional) Policy name for feature snooping
__readonly__	(Optional)
TABLE_glean_policy	(Optional) IPv6 DHCP guard policy
policy	(Optional) Policy Name
port_type	(Optional) Port type
sec_lvl	(Optional) Security level
device_role	(Optional) Device role
data_glean	(Optional) Data glean
dest_glean	(Optional) Destination glean
glean_type	(Optional) Glean type
reachable_lifetime	(Optional) Reachable lifetime
stale_lifetime	(Optional) Stale lifetime
TABLE_non_glean_protocols	(Optional) Non Glean protocols
protocol	(Optional) Protocol
TABLE_glean_protocols	(Optional) Glean protocols
prefix_list	(Optional) Prefix list
limit_address_cnt	(Optional) Limit address count
limit_address_cnt_v4_per_mac	(Optional) Limit address count v4 per mac
limit_address_cnt_v6_per_mac	(Optional) Limit address count v6 per mac
limit_address_cnt_v4_per_target	(Optional) Limit address count v4 per target

tracking	(Optional) Tracking
TABLE_targets	(Optional) Targets table
target	(Optional) Target Name
target_type	(Optional) Target Type
target_policy	(Optional) Policy Name
feature	(Optional) Feature
target_range	(Optional) Target Range

Command Mode

- /exec

show ipv6 snooping pss database

show ipv6 snooping pss database [__readonly__ <cmdout>]

Syntax Description

show	Show running system information
ipv6	Show the IPv6 features of the system
__readonly__	(Optional)
cmdout	(Optional)

Command Mode

- /exec

show ipv6 static-route

show ipv6 static-route [<prefix>] [multicast] [track-table] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_vrf <vrf-name-out>] [TABLE_route [<prefix-out>] [<next-hop>] [<intf-name>] [<pref>] [<next-hop-vrf>] [<reslv-tid>] [<real-nh>] [<has-real-intf>] [<real-intf-name>] [<track-id>] [<track-status>] [<rnh-status>] [<bfd-status>]]]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
static-route	Display configured static routes
multicast	(Optional) Display configured static mroutes
track-table	(Optional) Display track object details associated with static routes
all	(Optional) Display all VRFs
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
vrf-name-out	(Optional) vrf name
TABLE_route	(Optional) Route table
intf-name	(Optional) interface name
pref	(Optional) interface prefix
next-hop-vrf	(Optional) next hop vrf
reslv-tid	(Optional) reslv tid
has-real-intf	(Optional) has real interface
real-intf-name	(Optional) real interface name
track-id	(Optional) interface track id
track-status	(Optional) interface track status
rnh-status	(Optional) interface rnh status
bfd-status	(Optional) interface bfd status

Command Mode

- /exec

show ipv6 statistics

show ipv6 statistics

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
statistics	Display IPv6 global statistics

Command Mode

- /exec

show ipv6 traffic

show ipv6 traffic [detail] [vrf { <vrf-name> | <vrf-known-name> }] [__readonly__ [TABLE_vrf <vrf-name-out>] TABLE_ipv6_traffic <uptime> <upkt-fwd> <mpkt-fwd> <ubyte-fwd> <mbyte-fwd> <upkt-orig> <mpkt-orig> <ubyte-orig> <mbyte-orig> <upkt-consumed> <mpkt-consumed> <ubyte-consumed> <mbyte-consumed> <ufrag-orig> <mfra-orig> <ufrag-consumed> <mfrag-consumed> <bad-version> <rt-lookup-fail> <hoplimit-excd> <opt-header-error> <pld-length-too-small> <pm-failed> <mbuf-error> <could-not-enc> <dest-if-down> <rx-pkts-recv> <rx-bytes-recv> <rx-inhdrerrors> <rx-innoroutes> <rx-inaddrerrors> <rx-inunknownprotos> <rx-intruncatedpkts> <rx-inforwdgrams> <rx-reasmreqds> <rx-reasmoks> <rx-reasmfails> <rx-indiscards> <rx-indelivers> <rx-inmcastpkts> <rx-inmcastbytes> <tx-pkts-sent> <tx-bytes-sent> <tx-outrequests> <tx-outnoroutes> <tx-outforwdgrams> <tx-outdiscards> <tx-outfragreqds> <tx-outfragoks> <tx-outfragfails> <tx-outfragcreates> <tx-outtransmits> <tx-outmcastpkts> <tx-outmcastbytes>]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
traffic	Display IPv6 traffic statistics
detail	(Optional) Display per protocol IPv6 statistics
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
__readonly__	(Optional)
TABLE_vrf	(Optional) VRF table
vrf-name-out	(Optional) vrf name
TABLE_ipv6_traffic	(Optional) ipv6 traffic table
uptime	(Optional) up time
upkt-fwd	(Optional) unicast packets forward
mpkt-fwd	(Optional) multicast packets forward
ubyte-fwd	(Optional) unicast byte forward
mbyte-fwd	(Optional) multicast byte forward
upkt-orig	(Optional) unicast packet origin
mpkt-orig	(Optional) multicast packet origin
ubyte-orig	(Optional) unicast byte origin

mbyte-orig	(Optional) multicast byte origin
upkt-consumed	(Optional) unicast packet consumed
mpkt-consumed	(Optional) multicast packet consumed
ubyte-consumed	(Optional) unicast byte consumed
mbyte-consumed	(Optional) multicast byte consumed
ufrag-orig	(Optional) unicast fragment origin
mfra-orig	(Optional) multicast fragment origin
ufrag-consumed	(Optional) unicast fragment consumed
mfrag-consumed	(Optional) multicast fragment consumed
bad-version	(Optional) bad version
rt-lookup-fail	(Optional) route lookup fail
hoplimit-excd	(Optional) hoplimit exceeded
opt-header-error	(Optional) opt header error
pld-length-too-small	(Optional) pld lenght too small
pm-failed	(Optional) packet manager failed
mbuf-error	(Optional) m-buffer error
could-not-enc	(Optional) could not encode
dest-if-down	(Optional) destination if down
rx-pkts-recv	(Optional) packets received
rx-bytes-recv	(Optional) bytes received
rx-inhdrerrors	(Optional) inhdr error
rx-innoroutes	(Optional) in-no routes
rx-inaddrerrors	(Optional) in-address error
rx-inunknownprotos	(Optional) in-unknown protocol
rx-intruncatedpkts	(Optional) in-truncated packets
rx-inforwdgrams	(Optional) in-forward
rx-reasmreqds	(Optional) reasm request
rx-reasmoks	(Optional) reasm ok
rx-reasmfails	(Optional) reasm fail

rx-indiscards	(Optional) in-discards
rx-indelivers	(Optional) in-delivers
rx-inmcastpkts	(Optional) in multicast packets
rx-inmcastbytes	(Optional) in multicast bytes
tx-pkts-sent	(Optional) packets sent
tx-bytes-sent	(Optional) bytes sent
tx-outrequests	(Optional) out request
tx-outnoroutes	(Optional) out no routes
tx-outforwdgrams	(Optional) out forwardgrams
tx-outdiscards	(Optional) out discards
tx-outfragreqds	(Optional) out fragment request
tx-outfragoks	(Optional) out fragment oks
tx-outfragfails	(Optional) out fragment fails
tx-outfragcreates	(Optional) out fragment creates
tx-outtransmits	(Optional) out transmits
tx-outmcastpkts	(Optional) out multicast packets
tx-outmcastbytes	(Optional) out multicast bytes

Command Mode

- /exec

show isis

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] [process | protocol] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_process_tag <process-tag-out> <instance_num> <uuid> <process-id> <vrf-name-out> <system-id-out> <is-type-out> <sap-out> <qh-out> <mtu-out> [<gr-status-out>] [<gr-state-active-out>] [<gr-state-inactive-out>] [<last-gr-status-fail-out>] [<last-gr-status-success-out>] [<last-gr-status-none-out>] [<gr-status-disable-out>] [TABLE_afi_safi <af-ix> <af-bfd-config> <af-pib-tag>] <metric-style> <accept-metric> [<net-set-none>] [TABLE_area_addr <area-addr-nsap>] [<proc-state-not-config>] [<proc-state-admin-down>] [<proc-state-l3vm-down>] [<proc-state-unknown-down>] [<proc-state-not-specified>] [<proc-state-no-net>] [<proc-state-no-vrf-id>] [<proc-state-out-memory>] [<proc-state-restart>] [<proc-state-running>] <vrf-id-out> [TABLE_te <te-lvl-out> <te-lvl-active>] [<te-ted-out>] [<mpls-te-out>] [TABLE_mpls_te [<mpls-te-lvl-out>] [<mpls-te-rtrid-intf-out>] [<mpls-te-fa-lvl-out>] [TABLE_te_fa <te-fa-sysid-out> <te-fa-intf-out>]] [<te-stat-sys-id-out>] [<te-stat-rtr-id-out>] [TABLE_te_stat_lvl <te-stat-lvl-out> <te-stat-up-out> <te-stat-down-out>] [TABLE_segment_routing <af-out> <ptag-out> <cfg-out> <enable-out> [<exp-null-cfg>]] [TABLE_iib_list_yeild <intf-name-out>] [TABLE_auth <auth-lvl-out> [<auth-type-no-type>] [<auth-type-cleartext>] [<auth-type-md5>] [<auth-type-key-chain>] [<auth-type-none>] [<auth-check>] [<auth-no-check>]] [TABLE_spf <spf-lvl-out> [<spf-timer>]] [TABLE_distribute_ls <distribute-linkst-lvl>]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
process	(Optional) Display IS-IS process information
protocol	(Optional) Display IS-IS process information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
instance_num	(Optional)
uuid	(Optional)
process-id	(Optional)
vrf-name-out	(Optional)

system-id-out	(Optional)
is-type-out	(Optional)
sap-out	(Optional)
qh-out	(Optional)
mtu-out	(Optional)
gr-status-out	(Optional)
gr-state-active-out	(Optional)
gr-state-inactive-out	(Optional)
last-gr-status-fail-out	(Optional)
last-gr-status-success-out	(Optional)
last-gr-status-none-out	(Optional)
gr-status-disable-out	(Optional)
TABLE_afi_safi	(Optional)
af-ix	(Optional)
af-bfd-config	(Optional)
af-pib-tag	(Optional)
metric-style	(Optional)
accept-metric	(Optional)
net-set-none	(Optional)
TABLE_area_addr	(Optional)
area-addr-nsap	(Optional)
proc-state-not-config	(Optional)
proc-state-admin-down	(Optional)
proc-state-l3vm-down	(Optional)
proc-state-unknown-down	(Optional)
proc-state-not-specified	(Optional)
proc-state-no-net	(Optional)
proc-state-no-vrf-id	(Optional)
proc-state-out-memory	(Optional)

proc-state-restart	(Optional)
proc-state-running	(Optional)
vrf-id-out	(Optional)
TABLE_te	(Optional)
te-lvl-out	(Optional)
te-lvl-active	(Optional)
te-ted-out	(Optional)
mpls-te-out	(Optional)
TABLE_mpls_te	(Optional)
mpls-te-lvl-out	(Optional)
mpls-te-rtrid-intf-out	(Optional)
mpls-te-fa-lvl-out	(Optional)
TABLE_te_fa	(Optional)
te-fa-sysid-out	(Optional)
te-fa-intf-out	(Optional)
te-stat-sys-id-out	(Optional)
te-stat-rtr-id-out	(Optional)
TABLE_te_stat_lvl	(Optional)
te-stat-lvl-out	(Optional)
te-stat-up-out	(Optional)
te-stat-down-out	(Optional)
TABLE_segment_routing	(Optional)
af-out	(Optional)
ptag-out	(Optional)
cfg-out	(Optional)
enable-out	(Optional)
exp-null-cfg	(Optional)
TABLE_iib_list_yeild	(Optional)
intf-name-out	(Optional)

TABLE_auth	(Optional)
auth-lvl-out	(Optional)
auth-type-no-type	(Optional)
auth-type-cleartext	(Optional)
auth-type-md5	(Optional)
auth-type-key-chain	(Optional)
auth-type-none	(Optional)
auth-check	(Optional)
auth-no-check	(Optional)
TABLE_spf	(Optional)
spf-lvl-out	(Optional)
spf-timer	(Optional)
TABLE_distribute_ls	(Optional)
distribute-linkst-lvl	(Optional)

Command Mode

- /exec

show isis adjacency

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] adjacency [<interface> [p2p-level-1-2]] { [system-id <sid>] | [detail] | [summary] } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <adj-summary-out> <adj-interface-out> [<adj-interface-name-out>] [{ TABLE_process_adj <adj-sys-name-out> <adj-sys-id-out> [<adj-usage-out>] [<adj-level-out>] <adj-state-out> <adj-hold-time-out> <adj-intf-name-out> <adj-detail-set-out> [{ <adj-transitions-out> <adj-flap-out> [<adj-flap-time-out>] <adj-ckt-type-out> <adj-ipv4-addr-out> <adj-ipv6-addr-out> <adj-bcast-out> [{ <adj-ckt-id-out> <adj-lan-prio-out> }] <adj-bfd-ipv4-establish-out> <adj-bfd-ipv6-establish-out> <adj-resurrect-out> [{ <adj-resurrect-count-out> <adj-resurrect-hwm-out> }] <adj-restart-capable-out> <adj-restart-ack-out> [{ <adj-restart-mode-out> <adj-restart-adj-seen-ra-out> <adj-restart-adj-seen-csnp-out> <adj-restart-adj-seen-l1-csnp-out> <adj-restart-adj-seen-l2-csnp-out> <adj-restart-suppress-adj-out> }] [{ TABLE_adj_sid <adj-sid-value> <adj-sid-f-flag> <adj-sid-b-flag> <adj-sid-v-flag> <adj-sid-l-flag> <adj-sid-s-flag> <adj-sid-p-flag> <adj-sid-weight> }] }] }] [{ TABLE_p2p_adj_sum <adj-summ-p2p-level-out> <adj-summ-p2p-state-out> <adj-summ-p2p-count-out> }] [{ TABLE_lan_adj_sum <adj-summ-lan-level-out> <adj-summ-lan-state-out> <adj-summ-lan-count-out> }] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
adjacency	Display IS-IS adjacency information
interface	(Optional) IS-IS interface
system-id	(Optional) Hostname or System ID
sid	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
detail	(Optional) Display IS-IS adjacency detail information
p2p-level-1-2	(Optional) Display IS-IS point-to-point information at level-1-2
summary	(Optional) Display IS-IS adjacency summary information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)

TABLE_vrf	(Optional)
vrf-name-out	(Optional)
adj-summary-out	(Optional)
adj-interface-out	(Optional)
adj-interface-name-out	(Optional)
TABLE_process_adj	(Optional)
adj-sys-name-out	(Optional)
adj-sys-id-out	(Optional)
adj-usage-out	(Optional)
adj-level-out	(Optional)
adj-state-out	(Optional)
adj-hold-time-out	(Optional)
adj-intf-name-out	(Optional)
adj-detail-set-out	(Optional)
adj-transitions-out	(Optional)
adj-flap-out	(Optional)
adj-flap-time-out	(Optional)
adj-ckt-type-out	(Optional)
adj-ipv4-addr-out	(Optional)
adj-ipv6-addr-out	(Optional)
adj-bcast-out	(Optional)
adj-ckt-id-out	(Optional)
adj-lan-prio-out	(Optional)
adj-bfd-ipv4-establish-out	(Optional)
adj-bfd-ipv6-establish-out	(Optional)
adj-resurrect-out	(Optional)
adj-resurrect-count-out	(Optional)
adj-resurrect-hwm-out	(Optional)
adj-restart-capable-out	(Optional)

adj-restart-ack-out	(Optional)
adj-restart-mode-out	(Optional)
adj-restart-adj-seen-ra-out	(Optional)
adj-restart-adj-seen-csnp-out	(Optional)
adj-restart-adj-seen-l1-csnp-out	(Optional)
adj-restart-adj-seen-l2-csnp-out	(Optional)
adj-restart-suppress-adj-out	(Optional)
TABLE_adj_sid	(Optional)
adj-sid-value	(Optional)
adj-sid-f-flag	(Optional)
adj-sid-b-flag	(Optional)
adj-sid-v-flag	(Optional)
adj-sid-l-flag	(Optional)
adj-sid-s-flag	(Optional)
adj-sid-p-flag	(Optional)
adj-sid-weight	(Optional)
TABLE_p2p_adj_sum	(Optional)
adj-summ-p2p-level-out	(Optional)
adj-summ-p2p-state-out	(Optional)
adj-summ-p2p-count-out	(Optional)
TABLE_lan_adj_sum	(Optional)
adj-summ-lan-level-out	(Optional)
adj-summ-lan-state-out	(Optional)
adj-summ-lan-count-out	(Optional)

Command Mode

- /exec

show isis csnp

show isis [<isis-tag>] csnp [detail] [__readonly__ TABLE_process_tag <process-tag-out> [{ TABLE_CSNPLEVEL <csnp-level> <csnp-cache-valid> <csnp-cache-hit> <cscnp-cache-miss> <csnp-hit-rate> [{ TABLE_CSNPLSPS <csnp-start-lsp-id> <csnp-end-lsp-id> <csnp-entry-valid> <csnp-pdu-lengh> [{ TABLE_CSNPONELSP <csnp-lsp-id> <csnp-lsp-seq-num> <csnp-lsp-chk-sum> <csnp-lsp-life-time> }] }] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
csnp	Display IS-IS CSNP cache contents
detail	(Optional) Display detailed IS-IS information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_CSNPLEVEL	(Optional)
csnp-level	(Optional)
csnp-cache-valid	(Optional)
csnp-cache-hit	(Optional)
cscnp-cache-miss	(Optional)
csnp-hit-rate	(Optional)
TABLE_CSNPLSPS	(Optional)
csnp-start-lsp-id	(Optional)
csnp-end-lsp-id	(Optional)
csnp-entry-valid	(Optional)
csnp-pdu-lengh	(Optional)
TABLE_CSNPONELSP	(Optional)
csnp-lsp-id	(Optional)
csnp-lsp-seq-num	(Optional)
csnp-lsp-chk-sum	(Optional)

csnp-lsp-life-time	(Optional)

Command Mode

- /exec

show isis database

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] database [<level>] [detail | advertise | summary] [<lid>] { [zero-sequence] | [ip prefix <ip-prefix>] | [ipv6 prefix <ipv6-prefix>] | [router-id <rid>] | [adjacency <adj-id>] } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [<dbase-hname-absent-out>] [{ TABLE_process_lvl <dbase-level-out> [{ TABLE_process_lsp <dbase-lsp-name-out> <dbase-lsp-status-out> <dbase-lsp-absent-out> [{ <dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> [<dbase-lsp-lifetime-str-out>] [<dbase-lsp-lifetime-out>] <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out> }] [{ <dbase-lsp-instance-out> [{ TABLE_process_tlv <dbase-lsp-tlv-name-out> [<dbase-lsp-area-addr-out>] [<dbase-lsp-is-nbr-name-out>] [<dbase-lsp-is-nbr-metric-out>] [<dbase-lsp-is-nbr-ext-metric-out>] [<dbase-lsp-es-nbr-name-out>] [<dbase-lsp-es-nbr-metric-out>] [<dbase-lsp-es-nbr-ext-metric-out>] [<dbase-lsp-auth-type-out>] [<dbase-lsp-auth-len-out>] [<dbase-lsp-ext-is-name-out>] [<dbase-lsp-ext-is-metric-out>] [<dbase-lsp-ip-ri-addr-out>] [<dbase-lsp-ip-ri-mask-out>] [<dbase-lsp-ip-ri-metric-out>] [<dbase-lsp-ip-ri-ext-metric-out>] [<dbase-lsp-ip-ri-up-down-out>] [<dbase-lsp-cap-rtrid>] [<dbase-lsp-cap-flags>] [{ TABLE_process_nlpid <dbase-lsp-prot-support-out> }] [<dbase-lsp-ip-addr-out>] [<dbase-lsp-ipv6-addr-out>] [{ TABLE_process_extip <dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out> <dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out> [<dbase-lsp-extip-pfxsid>] [<dbase-lsp-extip-pfxsid-flags>] [<dbase-lsp-extip-unknown-out>] }] [<dbase-lsp-hname-out>] [<dbase-lsp-hname-len-out>] [{ TABLE_process_extipv6 <dbase-lsp-extipv6-addr-out> <dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out> <dbase-lsp-extipv6-up-down-out> <dbase-lsp-extipv6-ext-origin-out> [<dbase-lsp-extipv6-pfxsid>] [<dbase-lsp-extipv6-pfxsid-flags>] [<dbase-lsp-extipv6-unknown-out>] }] [{ TABLE_process_subtlv <dbase-lsp-subtlv-name-out> [<dbase-lsp-extis-admin-group-out>] [<dbase-lsp-subtlv-ip-addr-out>] [<dbase-lsp-extis-bw-out>] [<dbase-lsp-extis-pri1-out>] [<dbase-lsp-extis-pri1-val-out>] [<dbase-lsp-extis-pri2-out>] [<dbase-lsp-extis-pri2-val-out>] [<dbase-lsp-extis-te-metric-out>] [<dbase-lsp-extis-p2p-adjsid-out>] [<dbase-lsp-extis-p2p-adjsid-flags>] [<dbase-lsp-extis-p2p-adjsid-weight>] [<dbase-lsp-extis-lan-adjsid-out>] [<dbase-lsp-extis-lan-adjsid-sysid>] [<dbase-lsp-extis-lan-adjsid-flags>] [<dbase-lsp-extis-lan-adjsid-weight>] [<dbase-lsp-cap-subtlv-sr-start-sid>] [<dbase-lsp-cap-subtlv-sr-end-sid>] [<dbase-lsp-cap-subtlv-sr-range>] [<dbase-lsp-cap-subtlv-sr-flags>] [<dbase-lsp-subtlv-len-out>] [<dbase-lsp-subtlv-unknown-out>] }] [<dbase-lsp-tlv-len-out>] [<dbase-lsp-tlv-unknown-out>] }] <dbase-lsp-digest-out> }] }] [{ <dbase-lsp-total-out> [{ <dbase-lsp-empty-out> <dbase-lsp-zeroseq-out> }] }] }] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Display IS-IS database information

level	(Optional) IS-IS level
lid	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
detail	(Optional) Display detailed IS-IS information
advertise	(Optional) Display advertise tlv lsp-memory information
summary	(Optional) Display summary IS-IS information
zero-sequence	(Optional) LSP with zero sequence number
ip	(Optional) IP attribute filter
ipv6	(Optional) IPv6 attribute filter
prefix	(Optional) Prefix filter
ip-prefix	(Optional) Single exact match IP prefix filter
adjacency	(Optional) Adjacency filter
adj-id	(Optional) Single exact match adjacency filter
router-id	(Optional) Router-id filter
rid	(Optional) single exact match router-id filter
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
dbase-hname-absent-out	(Optional)
TABLE_process_lvl	(Optional)
dbase-level-out	(Optional)
TABLE_process_lsp	(Optional)
dbase-lsp-name-out	(Optional)
dbase-lsp-status-out	(Optional)
dbase-lsp-absent-out	(Optional)
dbase-lsp-seqnum-out	(Optional)
dbase-lsp-cksum-out	(Optional)
dbase-lsp-lifetime-str-out	(Optional)

dbase-lsp-lifetime-out	(Optional)
dbase-att-out	(Optional)
dbase-partition-out	(Optional)
dbase-overload-out	(Optional)
dbase-istype-out	(Optional)
dbase-lsp-instance-out	(Optional)
TABLE_process_tlv	(Optional)
dbase-lsp-tlv-name-out	(Optional)
dbase-lsp-area-addr-out	(Optional)
dbase-lsp-is-nbr-name-out	(Optional)
dbase-lsp-is-nbr-metric-out	(Optional)
dbase-lsp-is-nbr-ext-metric-out	(Optional)
dbase-lsp-es-nbr-name-out	(Optional)
dbase-lsp-es-nbr-metric-out	(Optional)
dbase-lsp-es-nbr-ext-metric-out	(Optional)
dbase-lsp-auth-type-out	(Optional)
dbase-lsp-auth-len-out	(Optional)
dbase-lsp-ext-is-name-out	(Optional)
dbase-lsp-ext-is-metric-out	(Optional)
dbase-lsp-ip-ri-addr-out	(Optional)
dbase-lsp-ip-ri-mask-out	(Optional)
dbase-lsp-ip-ri-metric-out	(Optional)
dbase-lsp-ip-ri-ext-metric-out	(Optional)
dbase-lsp-ip-ri-up-down-out	(Optional)
TABLE_process_nlpid	(Optional)
dbase-lsp-prot-support-out	(Optional)
dbase-lsp-ip-addr-out	(Optional)
dbase-lsp-ipv6-addr-out	(Optional)
TABLE_process_extip	(Optional)

dbase-lsp-extip-addr-out	(Optional)
dbase-lsp-extip-prefix-len-out	(Optional)
dbase-lsp-extip-metric-out	(Optional)
dbase-lsp-extip-up-down-out	(Optional)
dbase-lsp-extip-pfxsid	(Optional)
dbase-lsp-extip-pfxsid-flags	(Optional)
dbase-lsp-extip-unknown-out	(Optional)
dbase-lsp-hname-out	(Optional)
dbase-lsp-hname-len-out	(Optional)
TABLE_process_extipv6	(Optional)
dbase-lsp-extipv6-addr-out	(Optional)
dbase-lsp-extipv6-prefix-len-out	(Optional)
dbase-lsp-extipv6-metric-out	(Optional)
dbase-lsp-extipv6-up-down-out	(Optional)
dbase-lsp-extipv6-ext-origin-out	(Optional)
dbase-lsp-extipv6-pfxsid	(Optional)
dbase-lsp-extipv6-pfxsid-flags	(Optional)
dbase-lsp-extipv6-unknown-out	(Optional)
dbase-lsp-tlv-len-out	(Optional)
dbase-lsp-tlv-unknown-out	(Optional)
TABLE_process_subtlv	(Optional)
dbase-lsp-subtlv-name-out	(Optional)
dbase-lsp-extis-admin-group-out	(Optional)
dbase-lsp-subtlv-ip-addr-out	(Optional)
dbase-lsp-extis-bw-out	(Optional)
dbase-lsp-extis-pri1-out	(Optional)
dbase-lsp-extis-pri1-val-out	(Optional)
dbase-lsp-extis-pri2-out	(Optional)
dbase-lsp-extis-pri2-val-out	(Optional)

dbase-lsp-extis-te-metric-out	(Optional)
dbase-lsp-extis-p2p-adjsid-out	(Optional)
dbase-lsp-extis-p2p-adjsid-flags	(Optional)
dbase-lsp-extis-p2p-adjsid-weight	(Optional)
dbase-lsp-extis-lan-adjsid-out	(Optional)
dbase-lsp-extis-lan-adjsid-sysid	(Optional)
dbase-lsp-extis-lan-adjsid-flags	(Optional)
dbase-lsp-extis-lan-adjsid-weight	(Optional)
dbase-lsp-subtlv-len-out	(Optional)
dbase-lsp-subtlv-unknown-out	(Optional)
dbase-lsp-digest-out	(Optional)
dbase-lsp-total-out	(Optional)
dbase-lsp-empty-out	(Optional)
dbase-lsp-zeroseq-out	(Optional)
dbase-lsp-cap-rtrid	(Optional)
dbase-lsp-cap-flags	(Optional)
dbase-lsp-cap-subtlv-sr-start-sid	(Optional)
dbase-lsp-cap-subtlv-sr-end-sid	(Optional)
dbase-lsp-cap-subtlv-sr-range	(Optional)
dbase-lsp-cap-subtlv-sr-flags	(Optional)

Command Mode

- /exec

show isis distribute-ls

show isis [<isis-tag>] distribute-ls { [system-id <sid>] | [lsp-id <lid>] } [brief] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> <vrf-name-out> <vrf-id-out> <lslib-connection-out> <client-type-out> <protocol-instance-out> <nxos-instance-out> <ha-recovery-out> [<queue-all-out>] <update-timer-sec-out> <update-timer-msec-out> <update-timer-running-out> [<update-timer-due-in>] [{ TABLE_process_lvl <level-out> <level-distributing-out> [{ TABLE_ls_node [<node-id-out>] [<node-name-out>] [{ TABLE_ls_lsp <lsp-id-out> <lsp-name-out> <lsp-purged-out> [<node-grpid-out>] [<prefix-grpid-out>] [<link-grpid-out>] [<node-attr-bitfield-out>] [<node-flags-out>] [<attached-bit-out>] [<overloaded-bit-out>] [<area-id-out>] [<area-length-out>] [<name-out>] [<ipv4-id-out>] [{ TABLE_srgb <number-out> <start-out> <size-out> }] [<sr-algo-count-out>] [{ TABLE_sr_algo <algo-out> }] [{ TABLE_ls_link <nbr-node-out> <local-ip-out> <remote-ip-out> [<link-attr-bitfield-out>] [<metric-out>] [<local-ip-attr-out>] [<remote-ip-attr-out>] [<max-link-bw-out>] [<max-resv-bw-out>] [{ TABLE_unresv_bw <number-out> <bw-out> }] [<metric-te-out>] [{ TABLE_adj_sid <asid-out> <flag-out> <weight-out> }] }] [{ TABLE_ls_prefix <prefix-out> <prefix-len-out> [<prefix-attr-bitfield-out>] [<metric-out>] [{ TABLE_sid <sid-out> <algo-out> <flags-out> }] }] }] }] }] }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
distribute-ls	Link-state distribution database
system-id	(Optional) Hostname or System ID
sid	(Optional) Hostname or System ID (in the form of XXXX.XXXX.XXXX)
lsp-id	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
lid	(Optional) LSP ID in the form of XXXX.XXXX.XXXX.XX-XX
brief	(Optional) Short output
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
vrf-name-out	(Optional)

vrf-id-out	(Optional)
lslib-connection-out	(Optional)
client-type-out	(Optional)
protocol-instance-out	(Optional)
nxos-instance-out	(Optional)
ha-recovery-out	(Optional)
queue-all-out	(Optional)
update-timer-sec-out	(Optional)
update-timer-msec-out	(Optional)
update-timer-running-out	(Optional)
update-timer-due-in	(Optional)
TABLE_process_lvl	(Optional)
level-out	(Optional)
level-distributing-out	(Optional)
TABLE_ls_node	(Optional)
node-id-out	(Optional)
node-name-out	(Optional)
TABLE_ls_lsp	(Optional)
lsp-id-out	(Optional)
lsp-name-out	(Optional)
lsp-purged-out	(Optional)
node-grpid-out	(Optional)
prefix-grpid-out	(Optional)
link-grpid-out	(Optional)
node-attr-bitfield-out	(Optional)
node-flags-out	(Optional)
attached-bit-out	(Optional)
overloaded-bit-out	(Optional)
area-id-out	(Optional)

area-length-out	(Optional)
name-out	(Optional)
ipv4-id-out	(Optional)
TABLE_srgb	(Optional)
number-out	(Optional)
start-out	(Optional)
size-out	(Optional)
sr-algo-count-out	(Optional)
TABLE_sr_algo	(Optional)
algo-out	(Optional)
TABLE_ls_link	(Optional)
nbr-node-out	(Optional)
local-ip-out	(Optional)
remote-ip-out	(Optional)
link-attr-bitfield-out	(Optional)
metric-out	(Optional)
local-ip-attr-out	(Optional)
remote-ip-attr-out	(Optional)
max-link-bw-out	(Optional)
max-resv-bw-out	(Optional)
TABLE_unresv_bw	(Optional)
number-out	(Optional)
bw-out	(Optional)
metric-te-out	(Optional)
TABLE_adj_sid	(Optional)
asid-out	(Optional)
flag-out	(Optional)
weight-out	(Optional)
TABLE_ls_prefix	(Optional)

prefix-out	(Optional)
prefix-len-out	(Optional)
prefix-attr-bitfield-out	(Optional)
metric-out	(Optional)
TABLE_sid	(Optional)
sid-out	(Optional)
algo-out	(Optional)
flags-out	(Optional)

Command Mode

- /exec

show isis event-history

show isis [<isis-tag>] [internal] event-history { errors | msgs | <isis-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
internal	(Optional) Commands for internal use
event-history	Display IS-IS event history
errors	Error history
msgs	Message history
isis-event-hist-buf-name	Event history buffer
statistics	Show the state and size of the buffer

Command Mode

- /exec

show isis hostname

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] { hostname | hostname-table } [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out> <tag-out> <hname-enabled-out> <hname-detail-out> [TABLE_hostname <hname-id-out> <hname-level-out> <hname-id-mine-out> <hname-name-out>]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
hostname	Display IS-IS hostname table information
hostname-table	Display IS-IS hostname table information
detail	(Optional) Display detailed IS-IS information
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
tag-out	(Optional)
hname-enabled-out	(Optional)
hname-detail-out	(Optional)
TABLE_hostname	(Optional)
hname-id-out	(Optional)
hname-level-out	(Optional)
hname-id-mine-out	(Optional)
hname-name-out	(Optional)

Command Mode

- /exec

show isis interface

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] interface [brief | <interface>] [level-1 | level-2] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [{ TABLE_interface [{ <intfb-name-out> <intfb-type-out> <intfb-ix-out> <intfb-state-out> <intfb-ready-state-out> <intfb-cid-out> <intfb-ckt-type-out> <intfb-mtu-out> [{ <intf-p2p-metric-lvl-1-out> <intf-p2p-metric-lvl-2-out> <intf-p2p-prio-lvl-1-out> <intf-p2p-prio-lvl-2-out> <intf-p2p-adj-count-lvl-1-out> <intf-p2p-adj-up-count-lvl-1-out> <intf-p2p-adj-count-lvl-2-out> <intf-p2p-adj-up-count-lvl-2-out> }] [{ <intf-loopback-metric-lvl-1-out> <intf-loopback-metric-lvl-2-out> <intf-loopback-prio-lvl-1-out> <intf-loopback-prio-lvl-2-out> <intf-loopback-adj-count-lvl-1-out> <intf-loopback-adj-up-count-lvl-1-out> <intf-loopback-adj-count-lvl-2-out> <intf-loopback-adj-up-count-lvl-2-out> }] [{ <intf-bcast-metric-lvl-1-out> <intf-bcast-metric-lvl-2-out> <intf-bcast-prio-lvl-1-out> <intf-bcast-prio-lvl-2-out> <intf-bcast-adj-count-lvl-1-out> <intf-bcast-adj-up-count-lvl-1-out> <intf-bcast-adj-count-lvl-2-out> <intf-bcast-adj-up-count-lvl-2-out> }] }] [{ <intf-name-out> <intf-status-out> }] [{ <intf-state-out> <intf-internal-state-out> [<intf-cib-disabled-out>] [<intf-cid-invalid-out>] }] [{ TABLE_auth [{ <intf-auth-info-out> [<intf-auth-kchain-out>] <intf-auth-chk-info-out> }] }] [{ <intf-ix-out> <intf-cid-out> <intf-ckt-type-out> }] [{ TABLE_bfd [<intf-bfd-ipv4-state-out>] [<intf-bfd-ipv6-state-out>] }] [<intf-passive-mask-out>] [<intf-passive-mask-lvl-out>] [<intf-mgrp-set-out>] [<intf-mgrp-state-out>] [<intf-mgrp-id-out>] [<intf-p2p-type-out>] [{ <intf-p2p-ext-local-cid-out> <intf-p2p-cid-out> <intf-retx-intv-out> <intf-retx-throttle-out> }] [<intf-loopback-type-out>] [{ <intf-lsp-intv-out> <intf-mtu-out> [<intf-hpad-state-out>] }] [{ [<intf-p2p-pad-ts-out>] <intf-p2p-adj-count-out> <intf-p2p-adj-up-count-out> <intf-p2p-prio-out> <intf-p2p-hello-intv-out> <intf-p2p-hello-multi-out> <intf-p2p-hello-next-out> [{ TABLE_p2p <intf-p2p-lvl-out> <intf-p2p-adj-lvl-out> <intf-p2p-adj-up-lvl-out> <intf-p2p-metric-lvl-out> <intf-p2p-csnp-lvl-out> <intf-p2p-csnp-nxt-lvl-out> <intf-p2p-lspid-last-lvl-out> }] }] [{ <intf-bcast-type-out> [{ TABLE_bcast_pad [{ <intf-bcast-lvl-out> <intf-bcast-pad-ts-out> }] }] [{ TABLE_bcast_dis [{ <intf-bcast-lvl-dis-out> <intf-bcast-dis-ts-out> }] }] [{ TABLE_bcast_pkt <intf-bcast-lvl-info-out> <intf-bcast-lvl-metric-0-out> <intf-bcast-lvl-metric-2-out> <intf-bcast-lvl-csnp-intv-out> <intf-bcast-lvl-csnp-next-out> <intf-bcast-lvl-iih-intv-out> <intf-bcast-lvl-iih-multi-out> <intf-bcast-lvl-iih-next-out> }] [{ TABLE_bcast_adj <intf-bcast-lvl-value-out> <intf-bcast-lvl-adj-out> <intf-bcast-lvl-adj-up-out> <intf-bcast-lvl-prio-out> <intf-bcast-lvl-cktid-out> <intf-bcast-lvl-cktid-ts-out> }] }] [{ TABLE_loopback <intf-loopback-lvl-out> <intf-loopback-lvl-metric-out> }] [<intf-unknown-out>] }] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
brief	(Optional) Brief display of IS-IS interfaces

interface	Display IS-IS interface information
level-1	(Optional) Display Level-1 interfaces
level-2	(Optional) Display level-2 interfaces
interface	(Optional) IS-IS interface
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_interface	(Optional)
intf-status-out	(Optional)
intf-name-out	(Optional)
intf-ix-out	(Optional)
intf-state-out	(Optional)
intf-cid-out	(Optional)
intf-ckt-type-out	(Optional)
intfb-name-out	(Optional)
intfb-type-out	(Optional)
intfb-ix-out	(Optional)
intfb-state-out	(Optional)
intfb-ready-state-out	(Optional)
intfb-cid-out	(Optional)
intfb-ckt-type-out	(Optional)
intf-p2p-metric-lvl-1-out	(Optional)
intf-p2p-metric-lvl-2-out	(Optional)
intf-p2p-prio-lvl-1-out	(Optional)
intf-p2p-prio-lvl-2-out	(Optional)
intf-p2p-adj-count-lvl-1-out	(Optional)
intf-p2p-adj-count-lvl-2-out	(Optional)

intf-p2p-adj-up-count-lvl-1-out	(Optional)
intf-p2p-adj-up-count-lvl-2-out	(Optional)
intf-loopback-metric-lvl-1-out	(Optional)
intf-loopback-metric-lvl-2-out	(Optional)
intf-loopback-prio-lvl-1-out	(Optional)
intf-loopback-prio-lvl-2-out	(Optional)
intf-loopback-adj-count-lvl-1-out	(Optional)
intf-loopback-adj-count-lvl-2-out	(Optional)
intf-loopback-adj-up-count-lvl-1-out	(Optional)
intf-loopback-adj-up-count-lvl-2-out	(Optional)
intf-bcast-metric-lvl-1-out	(Optional)
intf-bcast-metric-lvl-2-out	(Optional)
intf-bcast-prio-lvl-1-out	(Optional)
intf-bcast-prio-lvl-2-out	(Optional)
intf-bcast-adj-count-lvl-1-out	(Optional)
intf-bcast-adj-count-lvl-2-out	(Optional)
intf-bcast-adj-up-count-lvl-1-out	(Optional)
intf-bcast-adj-up-count-lvl-2-out	(Optional)
intf-internal-state-out	(Optional)
intf-cib-disabled-out	(Optional)
intf-cid-invalid-out	(Optional)
TABLE_auth	(Optional)
intf-auth-info-out	(Optional)
intf-auth-kchain-out	(Optional)
intf-auth-chk-info-out	(Optional)
TABLE_bfd	(Optional)
intf-bfd-ipv4-state-out	(Optional)
intf-bfd-ipv6-state-out	(Optional)
intf-passive-mask-out	(Optional)

intf-passive-mask-lvl-out	(Optional)
intf-mgrp-set-out	(Optional)
intf-mgrp-state-out	(Optional)
intf-mgrp-id-out	(Optional)
intf-p2p-type-out	(Optional)
intf-p2p-ext-local-cid-out	(Optional)
intf-p2p-cid-out	(Optional)
intf-retx-intv-out	(Optional)
intf-retx-throttle-out	(Optional)
intf-loopback-type-out	(Optional)
intf-lsp-intv-out	(Optional)
intf-mtu-out	(Optional)
intfb-mtu-out	(Optional)
intf-hpad-state-out	(Optional)
intf-p2p-pad-ts-out	(Optional)
intf-p2p-adj-count-out	(Optional)
intf-p2p-adj-up-count-out	(Optional)
intf-p2p-prio-out	(Optional)
intf-p2p-hello-intv-out	(Optional)
intf-p2p-hello-multi-out	(Optional)
intf-p2p-hello-next-out	(Optional)
TABLE_p2p	(Optional)
intf-p2p-lvl-out	(Optional)
intf-p2p-adj-lvl-out	(Optional)
intf-p2p-adj-up-lvl-out	(Optional)
intf-p2p-metric-lvl-out	(Optional)
intf-p2p-csnp-lvl-out	(Optional)
intf-p2p-csnp-nxt-lvl-out	(Optional)
intf-p2p-lspid-last-lvl-out	(Optional)

intf-bcast-type-out	(Optional)
TABLE_bcast_pad	(Optional)
intf-bcast-lvl-out	(Optional)
intf-bcast-pad-ts-out	(Optional)
TABLE_bcast_dis	(Optional)
intf-bcast-lvl-dis-out	(Optional)
intf-bcast-dis-ts-out	(Optional)
TABLE_bcast_pkt	(Optional)
intf-bcast-lvl-info-out	(Optional)
intf-bcast-lvl-metric-0-out	(Optional)
intf-bcast-lvl-metric-2-out	(Optional)
intf-bcast-lvl-csnp-intv-out	(Optional)
intf-bcast-lvl-csnp-next-out	(Optional)
intf-bcast-lvl-iih-intv-out	(Optional)
intf-bcast-lvl-iih-multi-out	(Optional)
intf-bcast-lvl-iih-next-out	(Optional)
TABLE_bcast_adj	(Optional)
intf-bcast-lvl-value-out	(Optional)
intf-bcast-lvl-adj-out	(Optional)
intf-bcast-lvl-adj-up-out	(Optional)
intf-bcast-lvl-prio-out	(Optional)
intf-bcast-lvl-cktid-out	(Optional)
intf-bcast-lvl-cktid-ts-out	(Optional)
TABLE_loopback	(Optional)
intf-loopback-lvl-out	(Optional)
intf-loopback-lvl-metric-out	(Optional)
intf-unknown-out	(Optional)

Command Mode

- /exec

show isis ipv6 redistribute route

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] ipv6 redistribute route [summary | <ipv6-addr> | <ipv6-prefix> [longer-prefixes [summary]]] [direct-mask] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_process_tag <process-tag-out> <redist-route-ipv6-vrf> [<redist-route-ipv6-af-ix>] [{ TABLE_one_route <redist-route-ipv6-prefix> [<redist-route-ipv6-mask-len>] [<redist-route-ipv6-pib-name>] [<redist-route-ipv6-direct-mask>] [<redist-route-ipv6-route-type>] [{ TABLE_redist <redist-route-ipv6-status> <redist-route-ipv6-level> [<redist-route-ipv6-metric>] [<redist-route-ipv6-sum-addr-prefix>] [<redist-route-ipv6-sum-addr-mask-len>] }] }] [<redist-route-ipv6-summary-addr-prefix>] [<redist-route-ipv6-summary-addr-mask-len>] [<redist-route-ipv6-summary-route-total>] [{ TABLE_protocol <redist-route-ipv6-summary-pib-name> [<redist-route-ipv6-summary-prot-route-total>] }] [<redist-route-ipv6-summary-pending-total>] [{ TABLE_mask_len <redist-route-ipv6-summary-mask-len-ix> [<redist-route-ipv6-summary-mask-len>] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ipv6	Display IS-IS IPv6 information
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	(Optional) Display routes with direct-mask set
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
redist-route-ipv6-vrf	(Optional)
redist-route-ipv6-af-ix	(Optional)
TABLE_one_route	(Optional)

redist-route-ipv6-prefix	(Optional)
redist-route-ipv6-mask-len	(Optional)
redist-route-ipv6-pib-name	(Optional)
redist-route-ipv6-direct-mask	(Optional)
redist-route-ipv6-route-type	(Optional)
TABLE_redist	(Optional)
redist-route-ipv6-status	(Optional)
redist-route-ipv6-level	(Optional)
redist-route-ipv6-metric	(Optional)
redist-route-ipv6-sum-addr-prefix	(Optional)
redist-route-ipv6-sum-addr-mask-len	(Optional)
redist-route-ipv6-summary-addr-prefix	(Optional)
redist-route-ipv6-summary-addr-mask-len	(Optional)
redist-route-ipv6-summary-route-total	(Optional)
TABLE_protocol	(Optional)
redist-route-ipv6-summary-pib-name	(Optional)
redist-route-ipv6-summary-prot-route-total	(Optional)
redist-route-ipv6-summary-pending-total	(Optional)
TABLE_mask_len	(Optional)
redist-route-ipv6-summary-mask-len-ix	(Optional)
redist-route-ipv6-summary-mask-len	(Optional)

Command Mode

- /exec

show isis ipv6 route-map statistics

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] ipv6 route-map statistics { { redistribute { static | direct | amt | bgp <as> | { <src-isis> | eigrp | ospfv3 | rip } <tag> } } | { distribute <src-level> into <dst-level> } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_process_tag [<process-tag-out>] [<route-map-stat-vrf>] [{ TABLE_process_route_map [<name>] [<action>] [<seq>] [{ TABLE_cmd [<str>] [<compare-count>] [<match-count>] }] <accept-count> <reject-count> }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Display IS-IS IPv6 information
route-map	Display IS-IS route-map information
statistics	Display IS-IS route-map statistics
redistribute	Redistribute information from another routing protocol
static	Static routes
direct	Directly connected
amt	AMT anycast prefix
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
eigrp	Enhanced Interior Gateway Protocol
src-isis	IS-IS Routing for IPv6
ospfv3	Open Shortest Path First (OSPF) V3
rip	RIP for IPv6 (RIPNG)
tag	Process tag
distribute	Distribute routes between ISIS levels
into	from level-n into level-m

src-level	Route-distribution between levels
dst-level	Route-distribution between levels
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
route-map-stat-vrf	(Optional)
TABLE_process_route_map	(Optional) Routemap table
name	(Optional) Route-map Name
action	(Optional) Route-map action
seq	(Optional) Sequence number of the rule in route-map
TABLE_cmd	(Optional) Route-map command table
str	(Optional) Route-map command
compare-count	(Optional) Number of comparisons
match-count	(Optional) Number of matches
accept-count	(Optional) Total number of packets accepted by the policy
reject-count	(Optional) Total number of pakcets rejected by the policy

Command Mode

- /exec

show isis ipv6 route

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] ipv6 route [topology { [base] | mt-ipv6 }] [summary | detail | private | <ipv6-addr> [detail | private] | <ipv6-prefix> [detail | private | longer-prefixes [summary | detail | private]]] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <afi-safi-out> [TABLE_prefix [<route-prefix-out> <route-mask-len-out> <route-level-out>] [<route-summ-discard-addr-out> <route-summ-discard-mask-len-out>] [<route-discard-addr-out> <route-discard-mask-len-out>] [<route-addr-print-out> <route-mask-len-print-out> <route-direct-print-out>] [TABLE_direct_path [<route-direct-out> <route-direct-via-out> <route-direct-if-name-out> <route-direct-metric-out> <route-direct-level-out>] [<route-direct-instance-out>]] [TABLE_best_path [<route-no-def-prefix-out>] [<route-def-prefix-out>] <route-addr-valid-out> <route-marker-out> <route-ifname-out> <route-metric-out> <route-pref-out> [<route-instance-out>]] [<route-discard-mask-out>] [[<route-sum-prefix-out> <route-sum-prefix-len-out>] <route-total-out> <route-paths-total-out> <route-paths-best-out> <route-paths-backup-out> [TABLE_sum_best_route <route-sum-lvl-out> <route-sum-total-out> [<route-sum-direct-out>] [<route-sum-normal-out>] [<route-sum-missing-out>]] [<route-best-pend-num-out>] <route-bestpaths-out> [TABLE_sum_best_path <route-path-sum-lvl-out> <route-path-sum-total-out> [<route-path-sum-direct-out>] [<route-path-sum-normal-out>]] <route-backuppaths-out> [TABLE_sum_backup_path <backup-path-sum-lvl-out> <backup-path-sum-total-out> [<backup-path-sum-direct-out>] [<backup-path-sum-normal-out>]] <route-bestroutes-per-mask-out> [TABLE_best_mask <route-best-mask-val-out> <route-best-mask-count-out>] [<route-pend-q-count-out>]]] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Display IS-IS IPv6 information
route	Display IS-IS route information
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts

detail	(Optional) Display detail route information
private	(Optional) Show detail and internal information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
afi-safi-out	(Optional)
TABLE_prefix	(Optional)
route-prefix-out	(Optional)
route-mask-len-out	(Optional)
route-level-out	(Optional)
route-summ-discard-addr-out	(Optional)
route-summ-discard-mask-len-out	(Optional)
route-discard-addr-out	(Optional)
route-discard-mask-len-out	(Optional)
route-addr-print-out	(Optional)
route-mask-len-print-out	(Optional)
route-direct-print-out	(Optional)
TABLE_direct_path	(Optional)
route-direct-out	(Optional)
route-direct-via-out	(Optional)
route-direct-if-name-out	(Optional)
route-direct-metric-out	(Optional)
route-direct-level-out	(Optional)
route-direct-instance-out	(Optional)
TABLE_best_path	(Optional)
route-no-def-prefix-out	(Optional)
route-def-prefix-out	(Optional)

route-addr-valid-out	(Optional)
route-marker-out	(Optional)
route-ifname-out	(Optional)
route-metric-out	(Optional)
route-pref-out	(Optional)
route-instance-out	(Optional)
route-discard-mask-out	(Optional)
route-sum-prefix-out	(Optional)
route-sum-prefix-len-out	(Optional)
route-total-out	(Optional)
route-paths-total-out	(Optional)
route-paths-best-out	(Optional)
route-paths-backup-out	(Optional)
TABLE_sum_best_route	(Optional)
route-sum-lvl-out	(Optional)
route-sum-total-out	(Optional)
route-sum-direct-out	(Optional)
route-sum-normal-out	(Optional)
route-sum-missing-out	(Optional)
route-best-pend-num-out	(Optional)
route-bestpaths-out	(Optional)
TABLE_sum_best_path	(Optional)
route-path-sum-lvl-out	(Optional)
route-path-sum-total-out	(Optional)
route-path-sum-direct-out	(Optional)
route-path-sum-normal-out	(Optional)
route-backuppaths-out	(Optional)
TABLE_sum_backup_path	(Optional)
backup-path-sum-lvl-out	(Optional)

backup-path-sum-total-out	(Optional)
backup-path-sum-direct-out	(Optional)
backup-path-sum-normal-out	(Optional)
route-bestroutes-per-mask-out	(Optional)
TABLE_best_mask	(Optional)
route-best-mask-val-out	(Optional)
route-best-mask-count-out	(Optional)
route-pend-q-count-out	(Optional)

Command Mode

- /exec

show isis ipv6 summary-address

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] ipv6 summary-address [<ipv6-addr> | <ipv6-prefix> [longer-prefixes]] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out> <tag-out> <afi-safi-out> [<addr-absent-out>] [{ TABLE_addr <sum-prefix-out> <mask-len-out> <level-out> [{ TABLE_lvl <addr-lvl-out> <addr-num-out> [<addr-metric-absent-out>] [<addr-metric-out>] [<addr-route-count-out>] }] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ipv6	Display IS-IS IPv6 information
summary-address	Display IS-IS summary address
longer-prefixes	(Optional) Display exact match and more specific summary address
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
tag-out	(Optional)
afi-safi-out	(Optional)
addr-absent-out	(Optional)
TABLE_addr	(Optional)
sum-prefix-out	(Optional)
mask-len-out	(Optional)
level-out	(Optional)
TABLE_lvl	(Optional)
addr-lvl-out	(Optional)
addr-num-out	(Optional)

addr-metric-absent-out	(Optional)
addr-metric-out	(Optional)
addr-route-count-out	(Optional)

Command Mode

- /exec

show isis lslib

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] lslib [cache [nodes | links | prefixes | node <s0> | link <s1> | prefix <s2> | links-of-node <s3> | prefixes-of-node <s4>] [detail]] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
lslib	LSLIB client information
cache	(Optional) Link-state cache in LSLIB
nodes	(Optional) All Node objects
links	(Optional) All Link objects
prefixes	(Optional) All Prefix objects
node	(Optional) One node object information
s0	(Optional) Node information
link	(Optional) One link object information
s1	(Optional) Link information
prefix	(Optional) One prefix object information
s2	(Optional) Prefix information
links-of-node	(Optional) All links information of a node
s3	(Optional) Node information
prefixes-of-node	(Optional) All prefixes information of a node
s4	(Optional) Node information
detail	(Optional) Detailed info
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis lsp free-list

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] { non-pseudonode | pseudonode { <interface> | orphan } } lsp free-list [summary] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
non-pseudonode	Display IS-IS non-pseudo-node information
pseudonode	Display IS-IS pseudo-node information
interface	IS-IS interface
orphan	Display orphan LSP information
lsp	Display IS-IS LSP information
free-list	Display free-list information
summary	(Optional) Display LSP count per free-list

Command Mode

- /exec

show isis mesh-group

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] mesh-group [<mesh-id>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out> <tag-out> [<mesh-id-set-out>] [<mesh-id-invalid-out>] [<mesh-id-none-out>] [{ TABLE_meshid <mesh-set-id-out> [{ TABLE_if <mesh-id-intf-name-out> }] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
mesh-group	Display IS-IS mesh-groups
mesh-id	(Optional) Display a single mesh-group
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
tag-out	(Optional)
mesh-id-set-out	(Optional)
mesh-id-invalid-out	(Optional)
mesh-id-none-out	(Optional)
TABLE_meshid	(Optional)
mesh-set-id-out	(Optional)
TABLE_if	(Optional)
mesh-id-intf-name-out	(Optional)

Command Mode

- /exec

show isis non tlv overflow-list

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] { non-pseudonode | pseudonode <interface> } tlv overflow-list [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
non-pseudonode	Display IS-IS non-pseudo-node information
pseudonode	Display IS-IS pseudo-node information
interface	IS-IS interface
tlv	Display IS-IS TLV information
overflow-list	Display ISIS TLV overflow-list information

Command Mode

- /exec

show isis redistribute route

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] [ip] redistribute route [summary | <ip-addr> | <ip-prefix> [longer-prefixes [summary]]] [direct-mask] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_process_tag <process-tag-out> <redist-route-vrf> [<redist-route-af-ix>] [{ TABLE_one_route <redist-route-prefix> [<redist-route-mask-len>] [<redist-route-pib-name>] [<redist-route-direct-mask>] [<redist-route-route-type>] [{ TABLE_redist <redist-route-status> <redist-route-level> [<redist-route-metric>] [<redist-route-sum-addr-prefix>] [<redist-route-sum-addr-mask-len>] }] }] [<redist-route-summary-addr-prefix>] [<redist-route-summary-addr-mask-len>] [<redist-route-summary-route-total>] [{ TABLE_protocol <redist-route-summary-pib-name> [<redist-route-summary-prot-route-total>] }] [<redist-route-summary-pending-total>] [{ TABLE_mask_len <redist-route-summary-mask-len-ix> [<redist-route-summary-mask-len>] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
redistribute	Display IS-IS redistribute information
route	Display ISIS redistribute route
ip	(Optional) Display IS-IS IPv4 information
ip-addr	(Optional) Display single IP redistribute route
ip-prefix	(Optional) Display single exact match IP redistribute route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
direct-mask	(Optional) Display routes with direct-mask set
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
redist-route-vrf	(Optional)

redist-route-af-ix	(Optional)
TABLE_one_route	(Optional)
redist-route-prefix	(Optional)
redist-route-mask-len	(Optional)
redist-route-pib-name	(Optional)
redist-route-direct-mask	(Optional)
redist-route-route-type	(Optional)
TABLE_redist	(Optional)
redist-route-status	(Optional)
redist-route-level	(Optional)
redist-route-metric	(Optional)
redist-route-sum-addr-prefix	(Optional)
redist-route-sum-addr-mask-len	(Optional)
redist-route-summary-addr-prefix	(Optional)
redist-route-summary-addr-mask-len	(Optional)
redist-route-summary-route-total	(Optional)
TABLE_protocol	(Optional)
redist-route-summary-pib-name	(Optional)
redist-route-summary-prot-route-total	(Optional)
redist-route-summary-pending-total	(Optional)
TABLE_mask_len	(Optional)
redist-route-summary-mask-len-ix	(Optional)
redist-route-summary-mask-len	(Optional)

Command Mode

- /exec

show isis route-map statistics

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] [ip] route-map statistics { { redistribute { static | direct | amt | bgp <as> | { <src-isis> | eigrp | ospf | rip } <tag> } } | { distribute <src-level> into <dst-level> } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <route-map-stat-vrf> [{ TABLE_process_route_map [<name>] [<action>] [<seq>] [{ TABLE_cmd [<str>] [<compare-count>] [<match-count>] }] <accept-count> <reject-count> }] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ip	(Optional) Display IS-IS IPv4 information
route-map	Display IS-IS route-map information
statistics	Display IS-IS route-map statistics
redistribute	Redistribute information from another routing protocol
static	Static routes
direct	Directly connected
amt	AMT anycast prefix
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
eigrp	Enhanced Interior Gateway Protocol
src-isis	IS-IS Routing for IPv4
ospf	Open Shortest Path First (OSPF)
rip	RIP for IPv4
tag	Process tag
distribute	Distribute routes between ISIS levels

into	from level-n into level-m
src-level	Route-distribution between levels
dst-level	Route-distribution between levels
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
route-map-stat-vrf	(Optional)
TABLE_process_route_map	(Optional) Routemap table
name	(Optional) Route-map Name
action	(Optional) Route-map action
seq	(Optional) Sequence number of the rule in route-map
TABLE_cmd	(Optional) Route-map command table
str	(Optional) Route-map command
compare-count	(Optional) Number of comparisons
match-count	(Optional) Number of matches
accept-count	(Optional) Total number of packets accepted by the policy
reject-count	(Optional) Total number of pakcets rejected by the policy

Command Mode

- /exec

show isis route

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] [ip] route [summary | detail | private | <ip-addr> [detail | private] | <ip-prefix> [detail | private | longer-prefixes [summary | detail | private]]] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <afi-safi-out> [TABLE_prefix [<route-prefix-out> <route-mask-len-out> <route-level-out>] [<route-summ-discard-addr-out> <route-summ-discard-mask-len-out>] [<route-discard-addr-out> <route-discard-mask-len-out>] [<route-addr-print-out> <route-mask-len-print-out> <route-direct-print-out>] [TABLE_direct_path [<route-direct-out> <route-direct-via-out> <route-direct-if-name-out> <route-direct-metric-out> <route-direct-level-out>] [<route-direct-instance-out>]] [TABLE_best_path [<route-no-def-prefix-out>] [<route-def-prefix-out>] <route-addr-valid-out> <route-marker-out> <route-ifname-out> <route-metric-out> <route-pref-out> [<route-instance-out>]] [<route-discard-mask-out>] [[<route-sum-prefix-out> <route-sum-prefix-len-out>] <route-total-out> <route-paths-total-out> <route-paths-best-out> <route-paths-backup-out> [TABLE_sum_best_route <route-sum-lvl-out> <route-sum-total-out> [<route-sum-direct-out>] [<route-sum-normal-out>] [<route-sum-missing-out>]] [<route-best-pend-num-out>] <route-bestpaths-out> [TABLE_sum_best_path <route-path-sum-lvl-out> <route-path-sum-total-out> [<route-path-sum-direct-out>] [<route-path-sum-normal-out>]] <route-backuppaths-out> [TABLE_sum_backup_path <backup-path-sum-lvl-out> <backup-path-sum-total-out> [<backup-path-sum-direct-out>] [<backup-path-sum-normal-out>]] <route-bestroutes-per-mask-out> [TABLE_best_mask <route-best-mask-val-out> <route-best-mask-count-out>] [<route-pend-q-count-out>]]] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ip	(Optional) Display IS-IS IPv4 information
route	Display IS-IS route information
ip-addr	(Optional) Display single IP route
ip-prefix	(Optional) Display single exact match IP route
longer-prefixes	(Optional) Display exact match and more specific routes
summary	(Optional) Display route counts
detail	(Optional) Display detail route information
private	(Optional) Show detail and internal information

__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
afi-safi-out	(Optional)
TABLE_prefix	(Optional)
route-prefix-out	(Optional)
route-mask-len-out	(Optional)
route-level-out	(Optional)
route-summ-discard-addr-out	(Optional)
route-summ-discard-mask-len-out	(Optional)
route-discard-addr-out	(Optional)
route-discard-mask-len-out	(Optional)
route-addr-print-out	(Optional)
route-mask-len-print-out	(Optional)
route-direct-print-out	(Optional)
TABLE_direct_path	(Optional)
route-direct-out	(Optional)
route-direct-via-out	(Optional)
route-direct-if-name-out	(Optional)
route-direct-metric-out	(Optional)
route-direct-level-out	(Optional)
route-direct-instance-out	(Optional)
TABLE_best_path	(Optional)
route-no-def-prefix-out	(Optional)
route-def-prefix-out	(Optional)
route-addr-valid-out	(Optional)
route-marker-out	(Optional)

route-ifname-out	(Optional)
route-metric-out	(Optional)
route-pref-out	(Optional)
route-instance-out	(Optional)
route-discard-mask-out	(Optional)
route-sum-prefix-out	(Optional)
route-sum-prefix-len-out	(Optional)
route-total-out	(Optional)
route-paths-total-out	(Optional)
route-paths-best-out	(Optional)
route-paths-backup-out	(Optional)
TABLE_sum_best_route	(Optional)
route-sum-lvl-out	(Optional)
route-sum-total-out	(Optional)
route-sum-direct-out	(Optional)
route-sum-normal-out	(Optional)
route-sum-missing-out	(Optional)
route-best-pend-num-out	(Optional)
route-bestpaths-out	(Optional)
TABLE_sum_best_path	(Optional)
route-path-sum-lvl-out	(Optional)
route-path-sum-total-out	(Optional)
route-path-sum-direct-out	(Optional)
route-path-sum-normal-out	(Optional)
route-backuppaths-out	(Optional)
TABLE_sum_backup_path	(Optional)
backup-path-sum-lvl-out	(Optional)
backup-path-sum-total-out	(Optional)
backup-path-sum-direct-out	(Optional)

backup-path-sum-normal-out	(Optional)
route-bestroutes-per-mask-out	(Optional)
TABLE_best_mask	(Optional)
route-best-mask-val-out	(Optional)
route-best-mask-count-out	(Optional)
route-pend-q-count-out	(Optional)

Command Mode

- /exec

show isis route is

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] route is [topology { [base] | mt-ipv6 }] [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Display IS-IS route information
is	Display IS route
topology	(Optional) Display routes for a topology
base	(Optional) Display routes for BASE topology
mt-ipv6	(Optional) Display routes for MT-IPV6-UNICAST topology

Command Mode

- /exec

show isis rrm

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] rrm <interface> [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> <rrm-if-name> [{ TABLE_rrm <rrm-level> <rrm-retx-interval> <rrm-retx-throttle-interval> <rrm-retx-queue-length> <rrm-next-retx> <rrm-retx-queue-hwm> <rrm-retx-queue-exceed> <rrm-dbase-hdr> [<rrm-timestamp>] [<rrm-lsp-retx-instance>] [<rrm-lsp-db-instance>] [<rrm-rrm-set>] [<rrm-srm-set>] }] }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
rrm	Display IS-IS Retransmit-Routing-Message information
interface	IS-IS interface
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
rrm-if-name	(Optional)
TABLE_rrm	(Optional)
rrm-level	(Optional)
rrm-retx-interval	(Optional)
rrm-retx-throttle-interval	(Optional)
rrm-retx-queue-length	(Optional)
rrm-next-retx	(Optional)
rrm-retx-queue-hwm	(Optional)
rrm-retx-queue-exceed	(Optional)
rrm-dbase-hdr	(Optional)
rrm-timestamp	(Optional)

rrm-lsp-retx-instance	(Optional)
rrm-lsp-db-instance	(Optional)
rrm-rrm-set	(Optional)
rrm-srm-set	(Optional)

Command Mode

- /exec

show isis segment-routing local-mapcache

show isis [<isis-tag>] segment-routing local-mapcache [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
segment-routing	show segment-routing information
local-mapcache	local prefix-sid mappings
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show isis segment-routing mapcache

show isis [<isis-tag>] segment-routing mapcache [level-1 | level-2] [<ipv4-prefix>] [sid <sr-sid>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <srmap-v4-state> <srmap-v6-state> [{ TABLE_srmap_level <srmap-level> [{ TABLE_srmap_pfxsid <srmap-pfxsid> <srmap-lsp-id> <srmap-pfxsid-valid> <srmap-pfxsid-flags> <srmap-prefix> }] }] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
segment-routing	show segment-routing information
mapcache	prefix-sid mappings
level-1	(Optional) show information for level 1 only
level-2	(Optional) show information for level 2 only
ipv4-prefix	(Optional) Display single exact match IP route
sid	(Optional) show information for this SR SID value
sr-sid	(Optional) SR SID value
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
srmap-v4-state	(Optional)
srmap-v6-state	(Optional)
TABLE_srmap_level	(Optional)
srmap-level	(Optional)

TABLE_srmap_pfxsid	(Optional)
srmap-pfxsid	(Optional)
srmap-lsp-id	(Optional)
srmap-pfxsid-valid	(Optional)
srmap-pfxsid-flags	(Optional)
srmap-prefix	(Optional)

Command Mode

- /exec

show isis segment-routing remote-srgb

show isis [<isis-tag>] segment-routing remote-srgb [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <sr-v4-state> <sr-v6-state> [{ TABLE_srgb_lsp <srgb-level> <srgb-lspid> <srgb-num-entries> <srgb-flags> [{ TABLE_srgb_label <srgb-start-label> <srgb-range> }] }] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
segment-routing	show segment-routing information
remote-srgb	remote SR ranges
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
sr-v4-state	(Optional)
sr-v6-state	(Optional)
TABLE_srgb_lsp	(Optional)
srgb-level	(Optional)
srgb-lspid	(Optional)
srgb-num-entries	(Optional)
srgb-flags	(Optional)
TABLE_srgb_label	(Optional)
srgb-start-label	(Optional)

srgb-range	(Optional)

Command Mode

- /exec

show isis segment-routing sids

show isis [<isis-tag>] segment-routing sids [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> <vrf-name-out> [{ TABLE_sr_sids <sr-sid> [<sr-prefix>] [<sr-local-flag>] [<sr-conflict-flag>] }] }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
segment-routing	show segment-routing information
sids	sid database
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
vrf-name-out	(Optional)
TABLE_sr_sids	(Optional)
sr-sid	(Optional)
sr-prefix	(Optional)
sr-local-flag	(Optional)
sr-conflict-flag	(Optional)

Command Mode

- /exec

show isis spf-adjacency

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] spf-adjacency [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_process_tag <process-tag-out> <spf-adjacency-vrf> [<spf-adjacency-system-name>] [<spf-adjacency-refcount>] [<spf-adjacency-if-name>] [<spf-adjacency-rib-addr>] [<spf-adjacency-rib-addr-valid>] [<spf-adjacency-rib-ipv6-addr>] [<spf-adjacency-rib-ipv6-addr-valid>] [<spf-adjacency-spf-addr>] [<spf-adjacency-spf-ipv6-addr>] [{ TABLE_SPFADJLEVEL <spf-adjacency-level> }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
spf-adjacency	Display IS-IS SPF adjacency information
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
spf-adjacency-vrf	(Optional)
spf-adjacency-system-name	(Optional)
spf-adjacency-refcount	(Optional)
spf-adjacency-if-name	(Optional)
spf-adjacency-rib-addr	(Optional)
spf-adjacency-rib-addr-valid	(Optional)
spf-adjacency-rib-ipv6-addr	(Optional)
spf-adjacency-rib-ipv6-addr-valid	(Optional)
spf-adjacency-spf-addr	(Optional)
spf-adjacency-spf-ipv6-addr	(Optional)
TABLE_SPFADJLEVEL	(Optional)

spf-adjacency-level	(Optional)

Command Mode

- /exec

show isis spf-log

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] spf-log [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <tag-out> TABLE_vrf <vrf-name-out> [{ TABLE_topo <topo-id-out> <spflog-calc-out> <spflog-size-out> <spflog-maxsize-out> [{ TABLE_log_detail <num-out> <ts-out> <date-out> [{ TABLE_lvl_detail <lvld-out> <instance-out> <init-ts-out> <ts-lvl-out> }] [<ts-is-out>] [<ts-urib-out>] [<ts-elapsed-out>] [{ TABLE_lvl_second <lvls-out> <spf-node-out> <spf-cnt-out> <changed-cnt-out> <spf-reason-out> }] }] [{ TABLE_log_brief <ago-time-out> [{ TABLE_lvl <lvl-out> <reason-out> <count-out> }] [<elapsed-ts-out>] }] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
spf-log	Display IS-IS SPF information
detail	(Optional) Display detail ISIS SPF information
__readonly__	(Optional)
tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_topo	(Optional)
topo-id-out	(Optional)
spflog-calc-out	(Optional)
spflog-size-out	(Optional)
spflog-maxsize-out	(Optional)
TABLE_log_detail	(Optional)
num-out	(Optional)
ts-out	(Optional)
date-out	(Optional)

TABLE_lvl_detail	(Optional)
lvld-out	(Optional)
instance-out	(Optional)
init-ts-out	(Optional)
ts-lvl-out	(Optional)
ts-is-out	(Optional)
ts-urib-out	(Optional)
ts-elapsed-out	(Optional)
TABLE_lvl_second	(Optional)
lvls-out	(Optional)
spf-node-out	(Optional)
spf-cnt-out	(Optional)
changed-cnt-out	(Optional)
spf-reason-out	(Optional)
TABLE_log_brief	(Optional)
ago-time-out	(Optional)
TABLE_lvl	(Optional)
lvl-out	(Optional)
reason-out	(Optional)
count-out	(Optional)
elapsed-ts-out	(Optional)

Command Mode

- /exec

show isis srm

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] srm <interface> [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> <srm-if-name> [{ TABLE_srm <srm-level> <srm-if-eligible> <srm-if-not-on-srm-list> <srm-lsp-interval> <srm-next-lsp> <srm-dbase-hdr> }] }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
srm	Display IS-IS Send-Routing-Message information
interface	IS-IS interface
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
srm-if-name	(Optional)
TABLE_srm	(Optional)
srm-level	(Optional)
srm-if-eligible	(Optional)
srm-if-not-on-srm-list	(Optional)
srm-lsp-interval	(Optional)
srm-next-lsp	(Optional)
srm-dbase-hdr	(Optional)

Command Mode

- /exec

show isis ssn

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] ssn <interface> [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> <snn-if-name> [{ TABLE_ssn <snn-level> <snn-psnp-eligible> <snn-next-psnp> <snn-dbase_hdr> }] }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ssn	Display IS-IS Send-Sequence-Number information
interface	IS-IS interface
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
snn-if-name	(Optional)
TABLE_ssn	(Optional)
snn-level	(Optional)
snn-psnp-eligible	(Optional)
snn-next-psnp	(Optional)
snn-dbase_hdr	(Optional)

Command Mode

- /exec

show isis statistics

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] statistics [<interface>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ <stat-if-out> <tag-out> TABLE_vrf [<vrf-name-out>] [<stat-if-name-out>] [<stat-spf-calc-out>] [<stat-lsp-sourced-out>] [<stat-lsp-refresh-out>] [<stat-lsp-purge-out>] <stat-dis-elections-out>]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Display IS-IS protocol statistics
interface	(Optional) IS-IS interface
__readonly__	(Optional)
stat-if-out	(Optional)
tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
stat-if-name-out	(Optional)
stat-spf-calc-out	(Optional)
stat-lsp-sourced-out	(Optional)
stat-lsp-refresh-out	(Optional)
stat-lsp-purge-out	(Optional)
stat-dis-elections-out	(Optional)

Command Mode

- /exec

show isis summary-address

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] [ip] summary-address [<ip-addr> | <ip-prefix> [longer-prefixes]] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out> <tag-out> <afi-safi-out> [<addr-absent-out>] [{ TABLE_addr <sum-prefix-out> <mask-len-out> <level-out> [{ TABLE_lvl <addr-lvl-out> <addr-num-out> [<addr-metric-absent-out>] [<addr-metric-out>] [<addr-route-count-out>] }] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ip	(Optional) Display IS-IS IPv4 information
summary-address	Display IS-IS summary address
ip-addr	(Optional) Display single IP summary address
ip-prefix	(Optional) Display single exact match IP summary address
longer-prefixes	(Optional) Display exact match and more specific summary address
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
tag-out	(Optional)
afi-safi-out	(Optional)
addr-absent-out	(Optional)
TABLE_addr	(Optional)
sum-prefix-out	(Optional)
mask-len-out	(Optional)
level-out	(Optional)
TABLE_lvl	(Optional)

addr-lvl-out	(Optional)
addr-num-out	(Optional)
addr-metric-absent-out	(Optional)
addr-metric-out	(Optional)
addr-route-count-out	(Optional)

Command Mode

- /exec

show isis topology

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] topology [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_process_tag <process-tag-out> <topology-vrf> [{ TABLE_LEVEL <topology-level> [{ TABLE_ONE_ROUTE <topology-one-route-node-name> [<topology-one-route-spf-instance>] [<topology-one-route-on-path>] [<topology-one-route-mt-id>] [{ TABLE_ONE_ROUTE_NH <topology-one-route-nh-system-name> [<topology-one-route-nh-if-name>] [<topology-one-route-nh-metric>] }] [{ TABLE_ONE_ROUTE_MBEST <topology-one-route-mbest-system-name> [<topology-one-route-mbest-if-name>] [<topology-one-route-mbest-metric>] }] }] [<topology-default-spf-instance>] [{ TABLE_NH <topology-nh-system-name> [<topology-nh-if-name>] [<topology-nh-metric>] }] [{ TABLE_MBEST <topology-mbest-system-name> [<topology-mbest-if-name>] [<topology-mbest-metric>] }] }]]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
topology	Display IS-IS Topology information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
topology-vrf	(Optional)
TABLE_LEVEL	(Optional)
topology-level	(Optional)
TABLE_ONE_ROUTE	(Optional)
topology-one-route-node-name	(Optional)
topology-one-route-spf-instance	(Optional)
topology-one-route-on-path	(Optional)
topology-one-route-mt-id	(Optional)
TABLE_ONE_ROUTE_NH	(Optional)

topology-one-route-nh-system-name	(Optional)
topology-one-route-nh-if-name	(Optional)
topology-one-route-nh-metric	(Optional)
TABLE_ONE_ROUTE_MBEST	(Optional)
topology-one-route-mbest-system-name	(Optional)
topology-one-route-mbest-if-name	(Optional)
topology-one-route-mbest-metric	(Optional)
topology-default-spf-instance	(Optional)
TABLE_NH	(Optional)
topology-nh-system-name	(Optional)
topology-nh-if-name	(Optional)
topology-nh-metric	(Optional)
TABLE_MBEST	(Optional)
topology-mbest-system-name	(Optional)
topology-mbest-if-name	(Optional)
topology-mbest-metric	(Optional)

Command Mode

- /exec

show isis traffic

show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] traffic [<interface>] [mbuf-priority] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <traffic-if-out> [<traffic-if-name-out>] <traffic-lan-iih-out> <traffic-lan-iih-rcv-out> <traffic-lan-iih-xmit-out> <traffic-lan-iih-rcv-auth-err-out> <traffic-lan-iih-rcv-err-out> <traffic-p2p-iih-out> <traffic-p2p-iih-rcv-out> <traffic-p2p-iih-xmit-out> <traffic-p2p-iih-rcv-auth-err-out> <traffic-p2p-iih-rcv-err-out> <traffic-csnp-out> <traffic-csnp-rcv-out> <traffic-csnp-xmit-out> <traffic-csnp-rcv-auth-err-out> <traffic-csnp-rcv-err-out> <traffic-psnp-out> <traffic-psnp-rcv-out> <traffic-psnp-xmit-out> <traffic-psnp-rcv-auth-err-out> <traffic-psnp-rcv-err-out> <traffic-lsp-out> <traffic-lsp-rcv-out> <traffic-lsp-flood-out> <traffic-lsp-rcv-auth-err-out> <traffic-lsp-rcv-err-out> <traffic-lsp-rexmit-out> [<traffic-xmit-err-out>] [<traffic-unknown-pdu-rcv-out>] } }]

Syntax Description

show	Show running system information
isis	Display IS-IS status and configuration
isis-tag	(Optional) Routing process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Display IS-IS traffic information
interface	(Optional) IS-IS interface
mbuf-priority	(Optional) Display mbuf priorities for received PDUs
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
traffic-if-out	(Optional)
traffic-if-name-out	(Optional)
traffic-lan-iih-out	(Optional)
traffic-lan-iih-rcv-out	(Optional)
traffic-lan-iih-xmit-out	(Optional)

traffic-lan-iih-rcv-auth-err-out	(Optional)
traffic-lan-iih-rcv-err-out	(Optional)
traffic-p2p-iih-out	(Optional)
traffic-p2p-iih-rcv-out	(Optional)
traffic-p2p-iih-xmit-out	(Optional)
traffic-p2p-iih-rcv-auth-err-out	(Optional)
traffic-p2p-iih-rcv-err-out	(Optional)
traffic-csnp-out	(Optional)
traffic-csnp-rcv-out	(Optional)
traffic-csnp-xmit-out	(Optional)
traffic-csnp-rcv-auth-err-out	(Optional)
traffic-csnp-rcv-err-out	(Optional)
traffic-psnp-out	(Optional)
traffic-psnp-rcv-out	(Optional)
traffic-psnp-xmit-out	(Optional)
traffic-psnp-rcv-auth-err-out	(Optional)
traffic-psnp-rcv-err-out	(Optional)
traffic-lsp-out	(Optional)
traffic-lsp-rcv-out	(Optional)
traffic-lsp-flood-out	(Optional)
traffic-lsp-rcv-auth-err-out	(Optional)
traffic-lsp-rcv-err-out	(Optional)
traffic-lsp-rexmit-out	(Optional)
traffic-xmit-err-out	(Optional)
traffic-unknown-pdu-rcv-out	(Optional)

Command Mode

- /exec

show itd

show itd <svc-name> [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> <probe> <lb_scheme> [<interface>] <state> <buckets> [<reason>] <vrf_name> <userACL> <peer_status> [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [<vip_dgname>] [<ace_name>] [<ace_seq>] [<ace_ip>] [<ace_protocol>] [<ace_port>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]

Syntax Description

show	Show running system information
itd	ITD service
svc-name	ITD service name
brief	(Optional) brief
__readonly__	(Optional) Read Only
is_firstentry	(Optional)
is_detail	(Optional)
is_active	(Optional)
is_firstentry_routemap	(Optional)
is_firstentry_acl	(Optional)
is_lastentry	(Optional)
is_firstentry_standby	(Optional)
TABLE_summary	(Optional)
service_name	(Optional) service_name
probe	(Optional) probe
lb_scheme	(Optional) lb scheme
interface	(Optional) interface

state	(Optional) state
buckets	(Optional) buckets
reason	(Optional) inactive reason
vrf_name	(Optional) VRF-Name
userACL	(Optional) user access-list
peer_status	(Optional) peer status
TABLE_device	(Optional)
device_grp	(Optional) service device group
dg_probe	(Optional) probe type
dg_probe_port	(Optional) probe port
TABLE_route_map	(Optional)
route_map	(Optional) service route map
interface	(Optional) interface
r_status	(Optional) route map status
int_track_id	(Optional) interface track id
TABLE_vip	(Optional)
vip_ip	(Optional) vip ip
vip_probe	(Optional) vip protocol
vip_port	(Optional) vip port
vip_dgname	(Optional) vip device group
ace_name	(Optional) ace information
ace_seq	(Optional) ace information
ace_ip	(Optional) ace information
ace_protocol	(Optional) ace information
ace_port	(Optional) ace information
TABLE_vip_node	(Optional)
vip_node	(Optional) service node ip
vip_nodev6	(Optional) service node IPv6
vip_config	(Optional) node config

vip_weight	(Optional) node weight
vip_status	(Optional) node status
vip_node_probe	(Optional) node probe type
vip_node_probe_port	(Optional) node probe port
vip_node_probe_ip	(Optional) node probe ip
vip_track_id	(Optional) node track id
vip_ip_sla_id	(Optional) node ip sla id
TABLE_vip_standby	(Optional)
vip_standby_ip	(Optional) standby node ip
vip_standby_ipv6	(Optional) standby node ipv6
vip_standby_config	(Optional) standby node config
vip_standby_weight	(Optional) standby node weight
vip_standby_status	(Optional) standby node status
vip_standby_probe	(Optional) standby node probe type
vip_standby_probe_port	(Optional) standby node probe port
vip_standby_probe_ip	(Optional) standby node probe ip
vip_standby_track_id	(Optional) standby node track id
vip_standby_sla_id	(Optional) standby node sla id
TABLE_vip_acl	(Optional)
vip_access_list	(Optional) access list
TABLE_node	(Optional)
node	(Optional) service node ip
nodev6	(Optional) service node IPv6
config	(Optional) node config
weight	(Optional) node weight
status	(Optional) node status
node_probe	(Optional) node probe type
node_probe_port	(Optional) node probe port
node_probe_ip	(Optional) node probe ip

track_id	(Optional) node track id
ip_sla_id	(Optional) node ip sla id
TABLE_standby	(Optional)
standby_ip	(Optional) standby node ip
standby_ipv6	(Optional) standby node ipv6
standby_config	(Optional) standby node config
standby_weight	(Optional) standby node weight
standby_status	(Optional) standby node status
standby_probe	(Optional) standby node probe type
standby_probe_port	(Optional) standby node probe port
standby_probe_ip	(Optional) standby node probe ip
standby_track_id	(Optional) standby node track id
standby_sla_id	(Optional) standby node sla id
TABLE_acl	(Optional)
access_list	(Optional) access list

Command Mode

- /exec

show itd

show itd [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> <probe> <lb_scheme> [<interface>] <state> <buckets> [<reason>] <vrf_name> <userACL> <peer_status> [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [<vip_dgname>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]

Syntax Description

show	Show running system information
itd	ITD service
brief	(Optional) brief
__readonly__	(Optional) Read Only
is_firstentry	(Optional)
is_detail	(Optional)
is_active	(Optional)
is_firstentry_routemap	(Optional)
is_firstentry_acl	(Optional)
is_lastentry	(Optional)
is_firstentry_standby	(Optional)
TABLE_summary	(Optional)
service_name	(Optional) service_name
probe	(Optional) probe
lb_scheme	(Optional) lb scheme
interface	(Optional) interface
state	(Optional) state
buckets	(Optional) buckets

reason	(Optional) inactive reason
vrf_name	(Optional) VRF-Name
userACL	(Optional) user access-list
peer_status	(Optional) peer status
TABLE_device	(Optional)
device_grp	(Optional) service device group
dg_probe	(Optional) device-group probe type
dg_probe_port	(Optional) device-group probe port
TABLE_route_map	(Optional)
route_map	(Optional) service route map
interface	(Optional) interface
r_status	(Optional) route map status
int_track_id	(Optional) interface track id
TABLE_vip	(Optional)
vip_ip	(Optional) vip ip
vip_probe	(Optional) vip protocol
vip_port	(Optional) vip port
vip_dgname	(Optional) vip device group
TABLE_vip_node	(Optional)
vip_node	(Optional) service node ip
vip_nodev6	(Optional) service node IPv6
vip_config	(Optional) node config
vip_weight	(Optional) node weight
vip_status	(Optional) node status
vip_node_probe	(Optional) node probe type
vip_node_probe_port	(Optional) node probe port
vip_node_probe_ip	(Optional) node probe ip
vip_track_id	(Optional) node track id
vip_ip_sla_id	(Optional) node ip sla id

TABLE_vip_standby	(Optional)
vip_standby_ip	(Optional) standby node ip
vip_standby_ipv6	(Optional) standby node ipv6
vip_standby_config	(Optional) standby node config
vip_standby_weight	(Optional) standby node weight
vip_standby_status	(Optional) standby node status
vip_standby_probe	(Optional) standby node probe type
vip_standby_probe_port	(Optional) standby node probe port
vip_standby_probe_ip	(Optional) standby node probe ip
vip_standby_track_id	(Optional) standby node track id
vip_standby_sla_id	(Optional) standby node sla id
TABLE_vip_acl	(Optional)
vip_access_list	(Optional) access list
TABLE_node	(Optional)
node	(Optional) service node ip
nodev6	(Optional) service node IPv6
config	(Optional) node config
weight	(Optional) node weight
status	(Optional) node status
node_probe	(Optional) node probe type
node_probe_port	(Optional) node probe port
node_probe_ip	(Optional) node probe ip
track_id	(Optional) node track id
ip_sla_id	(Optional) node ip sla id
TABLE_standby	(Optional)
standby_ip	(Optional) standby node ip
standby_ipv6	(Optional) standby node ipv6
standby_config	(Optional) standby node config
standby_weight	(Optional) standby node weight

standby_status	(Optional) standby node status
standby_probe	(Optional) standby node probe type
standby_probe_port	(Optional) standby node probe port
standby_probe_ip	(Optional) standby node probe ip
standby_track_id	(Optional) standby node track id
standby_sla_id	(Optional) standby node sla id
TABLE_acl	(Optional)
access_list	(Optional) access list

Command Mode

- /exec

show itd session device-group

show itd session device-group [<name>] [__readonly__ <first_entry> [TABLE_svc <node>]]

Syntax Description

show	Show running system information
itd	ITD service
session	ITD service session
device-group	ITD service session device-group
name	(Optional) ITD Service session name
__readonly__	(Optional) Read Only
first_entry	(Optional)
TABLE_svc	(Optional)
node	(Optional) node

Command Mode

- /exec

show itd statistics

show itd { <service_name> | all } [src { <src-ip> | <src-IPv6> } | dst { <dst-ip> | <dst-IPv6> }] statistics [brief] [__readonly__ <is_firstentry_node> <is_firstentry_acl> <is_for_ace> [TABLE_nice <service_name> [<vip>] [<ace_seq>] [<ace_ip>] [<vip_pkt>] <dev_grp> <node> <node_pkt> [<acl>] [<acl_pkt>] <mode> <percentage>]]

Syntax Description

show	Show running system information
itd	ITD service
statistics	ITD statistics
brief	(Optional) brief
__readonly__	(Optional) Read Only
is_firstentry_node	(Optional)
is_firstentry_acl	(Optional)
is_for_ace	(Optional)
TABLE_nice	(Optional)
service_name	service_name
all	All ITD services
src	(Optional) Statistics for src ip
src-ip	(Optional) Provide statistics for src ip
dst	(Optional) Statistics for dst ip
dst-ip	(Optional) Provide statistics for dst ip
vip	(Optional) service virtual ip
ace_seq	(Optional) service ACE name and sequence number
ace_ip	(Optional) service ACE ip/mask/prefix
vip_pkt	(Optional) virtual ip pkt_count
dev_grp	(Optional) device group
node	(Optional) service node ip
node_pkt	(Optional) node pkt count
acl	(Optional) access list

acl_pkt	(Optional) acl pkt count
mode	(Optional) Redirect mode
percentage	(Optional) Packet percentage

Command Mode

- /exec

show itd vrf

show itd vrf [<name>] [__readonly__ <first_entry> [TABLE_svc <service_name> <vrf_name> <vrf_id>]]

Syntax Description

show	Show running system information
itd	ITD service
vrf	ITD service vrf
name	(Optional) ITD Service VRF name
__readonly__	(Optional) Read Only
first_entry	(Optional)
TABLE_svc	(Optional)
service_name	(Optional) itd service name
vrf_name	(Optional) vrf name
vrf_id	(Optional) vrf id

Command Mode

- /exec

K Show Commands

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- show keystore, on page 1650
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show key chain

{ show key chain [<keychain>] } [__readonly__ TABLE_keychain <chain_name> { TABLE_key [<key_id>] [<key_string>] [<crypto_algo>] [<accept_utc_zone>] [<accept_start>] [<accept_end>] [<accept_valid>] [<send_utc_zone>] [<send_start>] [<send_end>] [<send_valid>] }]

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
keychain	(Optional) Keychain name
__readonly__	(Optional)
TABLE_keychain	(Optional)
TABLE_key	(Optional)
chain_name	(Optional)
key_id	(Optional)
key_string	(Optional)
crypto_algo	(Optional)
accept_utc_zone	(Optional)
accept_start	(Optional)
accept_end	(Optional)
accept_valid	(Optional)
send_utc_zone	(Optional)
send_start	(Optional)
send_end	(Optional)
send_valid	(Optional)

Command Mode

- /exec

show key chain mode decrypt

{ show key chain [<keychain>] mode decrypt } [__readonly__ TABLE_keychain_decrypt <chain_name> { TABLE_key [<key_id>] [<key_string>] [<crypto_algo>] [<accept_utc_zone>] [<accept_start>] [<accept_end>] [<accept_valid>] [<send_utc_zone>] [<send_start>] [<send_end>] [<send_valid>] }]

Syntax Description

show	Show running system information
key	Display Key Information
chain	Display Keychain Information
keychain	(Optional) Keychain name
mode	Mode of display
decrypt	Display Decrypted Keystrings
__readonly__	(Optional)
TABLE_keychain_decrypt	(Optional)
TABLE_key	(Optional)
chain_name	(Optional)
key_id	(Optional)
key_string	(Optional)
crypto_algo	(Optional)
accept_utc_zone	(Optional)
accept_start	(Optional)
accept_end	(Optional)
accept_valid	(Optional)
send_utc_zone	(Optional)
send_start	(Optional)
send_end	(Optional)
send_valid	(Optional)

Command Mode

- /exec

show keystore

show keystore [__readonly__ { TABLE_sksd_state_entries <index> <handle> } <keystore_type> <keystore_ver> <fw_panics> <fw_resets> <rx_fifo_underruns> <rx_timeouts> <rx_bad_checksums> <rx_bad_fragment_lengths> <keystore_corruption>]

Syntax Description

keystore	keystore stats
__readonly__	(Optional)
TABLE_sksd_state_entries	(Optional) Displays handles of the keys stored
index	(Optional) Index value
handle	(Optional) Handle Name
keystore_type	(Optional) Type of storage h/w or s/w
keystore_ver	(Optional) Version
fw_panics	(Optional) Number of panics
fw_resets	(Optional) Number of Resets
rx_fifo_underruns	(Optional) Rx FIFO Underruns
rx_timeouts	(Optional) Number of Rx timeouts
rx_bad_checksums	(Optional) Number of Bad Checsums
rx_bad_fragment_lengths	(Optional) Bad fragment lenghts received
keystore_corruption	(Optional) Number of corruptions detected

Command Mode

- /exec

show kim inconsistency

show kim inconsistency

Syntax Description

show	Show running system information
kim	Display KIM information
inconsistency	KIM inconsistency

Command Mode

- /exec

show kubernetes containers

show kubernetes containers [brief | interface <if_name>]

Syntax Description

show	Show running system information
kubernetes	Show kubernetes
containers	containers
brief	(Optional) Show brief information
interface	(Optional) Interface name
if_name	(Optional) Physical interface

Command Mode

- /exec

L Show Commands

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show l2 mroute

show { l2 | fabricpath } mroute { [vdc-omf] { [resolved] } | [vlan <vlanid>] { { [omf] | [flood] | [source { <srcaddr> | <v6srcaddr> | <macsrcaddr> }] [group { <groupaddr> | <v6groupaddr> | <macgroupaddr> }] } [resolved] [ftag <ftag-id>] [hex] } } [__readonly__ [<hex2>] { TABLE_gr [<ftag>] <vlan_id> [{ <v4src> <v4grp> <macgrp> | <v6src> <v6grp> <macsrc> }] [<omf> | <flood>] <rt-uptime> <owners> <num_nh> TABLE_nh { <nh_if> | <nh_sw> } [<stale>] [<exclude>] [<svi>] <flags> <nh-uptime> <owner> <rt_type> | <done> | <start> }]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
mroute	Show multicast route database
vdc-omf	(Optional) Display vdc omf route
vlan	(Optional) Show information for a vlan
omf	(Optional) Show catch-all entry consisting of mroute ports
flood	(Optional) Display vlan flood route
ftag	(Optional) Show ftag number
source	(Optional) Show (s, g) source IP address
group	(Optional) Show group address
hex	(Optional) Display switch-ids in hex
vlanid	(Optional) Vlan value
ftag-id	(Optional) ftag id
groupaddr	(Optional) Group address
macgroupaddr	(Optional) MAC Group address
srcaddr	(Optional) Source address
macsrcaddr	(Optional) MAC source address
resolved	(Optional) Resolve switchid nexthops into the underlying interfaces
__readonly__	(Optional) Read Only
hex2	(Optional)
TABLE_gr	(Optional)

vlan_id	(Optional) VLAN
rt-uptime	(Optional) Time route was created
num_nh	(Optional) Number of next-hops
owners	(Optional) Owners
v4src	(Optional) IPv4 Multicast traffic source
v4grp	(Optional) IPv4 Multicast Group address
macsrc	(Optional) MAC Multicast traffic source
macgrp	(Optional) MAC Multicast Group address
ftag	(Optional) ftag id
omf	(Optional) Is OMF route
flood	(Optional) Is flood to vlan route
TABLE_nh	(Optional)
nh_if	(Optional) The next hop interface
nh_sw	(Optional) The next hop switch id
owner	(Optional) Owner
flags	(Optional) flags
nh-uptime	(Optional) Time nexthop was created
rt_type	(Optional) Route type
stale	(Optional) Is stale
exclude	(Optional) exclude from post routing replication
svi	(Optional) SVI interface
done	(Optional) Done displaying route data
start	(Optional) Print header

Command Mode

- /exec

show l2 multicast ftag

show { l2 | fabricpath } multicast ftag [<ftag-id>] [__readonly__ TABLE_topo <id> <topo_config> TABLE_ftag <ftag> <topo_id> <config>]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
ftag	ftag number
ftag-id	(Optional) ftag id
__readonly__	(Optional) Read Only
TABLE_topo	(Optional)
id	(Optional) topo id
topo_config	(Optional) program ftag star route
TABLE_ftag	(Optional)
ftag	(Optional) ftag
topo_id	(Optional) topo id
config	(Optional) ftag config

Command Mode

- /exec

show l2 multicast trees

show { l2 | fabricpath } multicast trees [topo <topo-id>] [ftag <ftag-id>] [hex] [__readonly__ [<hex2>] { TABLE_swid <ftag> <topo_id> <sw_id> <rt-uptime> <owners> <num_nh> TABLE_nh [<preferred>] { <nh_if> | <nh_sw> } [<stale>] <distance> <nh-uptime> <owner> <flags> <rt_type> | <start> | <done> }]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
multicast	Multicast information
trees	Show the broadcast/multicast tree database
topo	(Optional) Show topo instance
ftag	(Optional) Show ftag number
hex	(Optional) Display switch-ids in hex
topo-id	(Optional) topo id
ftag-id	(Optional) ftag id
__readonly__	(Optional) Read Only
hex2	(Optional)
TABLE_swid	(Optional)
sw_id	(Optional) switch id
topo_id	(Optional) topo id
ftag	(Optional) ftag id
rt-uptime	(Optional) Time route was created
num_nh	(Optional) Number of next-hops
owners	(Optional) Owners
TABLE_nh	(Optional)
preferred	(Optional) Is preferred interface
nh_if	(Optional) The next hop interface
nh_sw	(Optional) The next hop switch id

owner	(Optional) Owner
flags	(Optional) flags
rt_type	(Optional) Route type
nh-uptime	(Optional) Time nexthop was created
distance	(Optional) admin distance
stale	(Optional) Is stale
start	(Optional)
done	(Optional)

Command Mode

- /exec

show l2 route

show { l2 | fabricpath } route [topology { <topo_val> [switchid <switchid>] | all } | switchid <switchid>] [detail | hex] + [__readonly__ <line_marker> <is_hex> { TABLE_route <topo_id> <ftag_value> <swid> <sswid> <num_paths> { TABLE_path <path_str> <admin_distance> <metric> <time> <time_detail> <uuid> } }]

Syntax Description

show	Show running system information
l2	Layer2 information
fabricpath	fabricpath information
route	Show FabricPath route information
topology	(Optional) topology
topo_val	(Optional) topology value
switchid	(Optional) switchid
switchid	(Optional) switchid value
all	(Optional) all topologies
detail	(Optional) detail
hex	(Optional) display in hex
__readonly__	(Optional) Read Only
line_marker	(Optional) line marker
is_hex	(Optional) print in hex
TABLE_route	(Optional) Route delimiter
topo_id	(Optional) topo-id value
ftag_value	(Optional) ftag value
swid	(Optional) switch-id
sswid	(Optional) sub-switch id
num_paths	(Optional) num of paths
TABLE_path	(Optional) Path delimiter
path_str	(Optional) paths
admin_distance	(Optional) admin distance

metric	(Optional) metric
time	(Optional) time
time_detail	(Optional) time_detail
uuid	(Optional) uuid

Command Mode

- /exec

show l2fwder l2rib info

show l2fwder l2rib info

Syntax Description

show	Show running system information
l2fwder	L2 software forwarding
l2rib	L2RIB
info	stats and info

Command Mode

- /exec

show l2fwder statistics

show l2fwder statistics

Syntax Description

show	Show running system information
l2fwder	Display L2FWDER forwarding information
statistics	Show L2FWDER packet counters

Command Mode

- /exec

show l2rib clients

show l2rib clients [<client_id>] [__readonly__ TABLE_l2rib_clients <client-id> <uuid> <process-suffix>]

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
clients	L2RIB Clients
client_id	(Optional) Enter Client ID
__readonly__	(Optional)
TABLE_l2rib_clients	(Optional) L2RIB Clients Table
client-id	(Optional) Client ID
uuid	(Optional) Process ID
process-suffix	(Optional) Process Name Suffix

Command Mode

- /exec

show l2rib producers

show l2rib producers [{ topology | mac | mac-ip | ead | pl | imet | flood-list | startup-route | peerid | es } [static | local | bgp | vxlan | hmm | arp | ofa | lisp]] [detail] [__readonly__ TABLE_l2rib_producers <prod-name> <prod-id> <client-id> <obj-type> <admin-dist> <purge-time> <state> [<prod-flags>]]

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
producers	L2RIB Producers
detail	(Optional) Detailed information
topology	(Optional) Filter on Topology
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
peerid	(Optional) Filter on Peerid
es	(Optional) Filter on ES
static	(Optional) Static
local	(Optional) Local
bgp	(Optional) BGP
vxlan	(Optional) VXLAN
hmm	(Optional) HMM
arp	(Optional) ARP
ofa	(Optional) OFA
lisp	(Optional) lisp
__readonly__	(Optional)
TABLE_l2rib_producers	(Optional) L2RIB Producers Table

prod-name	(Optional) Producer Name
prod-id	(Optional) Producer ID
client-id	(Optional) Client ID
obj-type	(Optional) Object Type
admin-dist	(Optional) Admin Distance
purge-time	(Optional) Purge Time
state	(Optional) State
prod-flags	(Optional) Global Producer Flags

Command Mode

- /exec

show l2rib registrations

show l2rib registrations [client <client_id> [<topo_id> { mac | mac-ip | ead | pl | imet | flood-list | arp-signal | startup-route | topo | es }]] [__readonly__ TABLE_l2rib_registrations <client-id> <topo-id> <obj-type> <prod>]

Syntax Description

show	Show running system information
l2rib	Layer 2 routing information base
registrations	L2RIB Registrations
client	(Optional) Global Registraion Entries
client_id	(Optional) Enter Client ID
topo_id	(Optional) Enter Topology ID
mac	(Optional) Filter on MAC
mac-ip	(Optional) Filter on MAC-IP
ead	(Optional) Filter on Ethernet-AD
pl	(Optional) Filter on Path List
imet	(Optional) Filter on IMET Route
es	(Optional) Filter on Ethernet Segment ID
flood-list	(Optional) Filter on Flood List
startup-route	(Optional) Filter on Startup Route
arp-signal	(Optional) Filter on ARP Signal
topo	(Optional) Filter on Topo Subtype
__readonly__	(Optional)
TABLE_l2rib_registrations	(Optional) L2RIB Registrations Table
client-id	(Optional) Client ID
topo-id	(Optional) Topology ID
obj-type	(Optional) Object Type
prod	(Optional) Producer

Command Mode

- /exec

show l2route evpn ead all

show l2route evpn ead all [detail] [__readonly__ TABLE_l2route_evpn_ead_all <topo-id> <prod> <esi> <client-nfn> <num_pls> [{ <next-hop> }]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ead	EAD
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_evpn_ead_all	(Optional) L2RIB EVPN EAD All Table
topo-id	(Optional) Topology ID
prod	(Optional) Producer
esi	(Optional) ESI
client-nfn	(Optional) Client Notification Bitmap
num_pls	(Optional) Number of Path lists
next-hop	(Optional) Next Hop

Command Mode

- /exec

show l2route evpn ethernet-segment esi

show l2route evpn ethernet-segment { esi <esi-id> | all } [bgp | vxlan] [detail] [__readonly__ TABLE_l2route_es <ethernet-segment> <originating-rtr> <prod-name> <int-ifhdl> <client-nfn>]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
ethernet-segment	Ethernet Segment ID
esi	ESI Value
esi-id	ESI ID
all	Display all entries without filtering
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_es	(Optional) L2RIB ES Table
ethernet-segment	(Optional) ESI
originating-rtr	(Optional) Originating Router
prod-name	(Optional) Producer Name
int-ifhdl	(Optional) Interface Handle
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn fl all

show l2route evpn fl all [detail] [__readonly__ TABLE_l2route_fl_all <topo-id> <peer-id> <flood-list> <is-service-node> [<client-nfn>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_fl_all	(Optional) L2RIB Flood List All Table
topo-id	(Optional) Topology ID
peer-id	(Optional) Peer-ID
flood-list	(Optional) Flood List
is-service-node	(Optional) Is Service Node
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn fl evi

show l2route evpn fl evi <vpn-id> [detail] [__readonly__ TABLE_l2route_fl <peer-id> <flood-list> <is-service-node> [<client-nfn>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
fl	Flood List
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
vpn-id	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_fl	(Optional) L2RIB Flood List Table
peer-id	(Optional) Peer-ID
flood-list	(Optional) Flood List
is-service-node	(Optional) Is Service Node
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn imet all

show l2route evpn imet all [detail] [__readonly__ TABLE_l2route_imet_all <topo-id> <vni> <prod-type> <ip-addr> [<eth-tag-id>] [<pmsi-flags>] [<flags>] [<type>] [<vni-label>] [<tunnel-id>] [<client-nfn>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_imet_all	(Optional) L2RIB IMET All Table
topo-id	(Optional) Topology ID
vni	(Optional) VNI
prod-type	(Optional) Producer Type
ip-addr	(Optional) IP Address
eth-tag-id	(Optional) Ethernet Tag ID
pmsi-flags	(Optional) PMSI Flags
flags	(Optional) Flags
type	(Optional) Type
vni-label	(Optional) VNI Label
tunnel-id	(Optional) Tunnel ID
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn imet evi

show l2route evpn imet evi <vpn-id> [bgp | vxlan] [detail] [__readonly__ TABLE_l2route_imet <vni> <prod-type> <ip-addr> [<eth-tag-id>] [<pmsi-flags>] [<flags>] [<type>] [<vni-label>] [<tunnel-id>] [<client-nfn>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
imet	IMET Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
vpn-id	E-VPN identifier (VLAN-ID or BD-ID)
bgp	(Optional) Filter on BGP producer (remote imet routes)
vxlan	(Optional) Filter on VXLAN producer (local imet routes)
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_imet	(Optional) L2RIB IMET Table
vni	(Optional) VNI
prod-type	(Optional) Producer Type
ip-addr	(Optional) IP Address
eth-tag-id	(Optional) Ethernet Tag ID
pmsi-flags	(Optional) PMSI Flags
flags	(Optional) Flags
type	(Optional) Type
vni-label	(Optional) VNI Label
tunnel-id	(Optional) Tunnel ID
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn mac-ip all

show l2route evpn mac-ip all [detail] [__readonly__ TABLE_l2route_mac_ip_all <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <host-ip> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_ip_all	(Optional) L2RIB Mac-IP All Table
topo-id	(Optional) Topology ID
mac-addr	(Optional) Mac Address
prod-type	(Optional) Producer Type
flags	(Optional) Flags
seq-num	(Optional) Sequence Number
host-ip	(Optional) Host IP
next-hop1	(Optional) Next Hop 1
next-hop2	(Optional) Next Hop 2
l3-info	(Optional) L3 Information
fwd-state	(Optional) Forwarding State
rte-res	(Optional) Route Resolution
sent-to	(Optional) Active Clients
peerid	(Optional) Peer ID
peer-ifindex	(Optional) Peer Interface Index
esi-id	(Optional) ESI ID
soo	(Optional) SOO

pcinfo	(Optional) Port-Channel Info

Command Mode

- /exec

show l2route evpn mac-ip evi

show l2route evpn mac-ip evi <vpn-id> [arp | bgp | hmm] [mac <mac_addr>] [host-ip { <ipv4_host> | <ipv6_host> }] [next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> }] [detail] [__readonly__ TABLE_l2route_mac_ip_evi <topo-id> <mac-addr> <prod-type> <seq-num> <host-ip> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac-ip	MAC-IP Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
vpn-id	E-VPN identifier (VLAN-ID or BD-ID)
arp	(Optional) Filter on ARP producer
bgp	(Optional) Filter on BGP producer
hmm	(Optional) Filter on HMM producer
mac	(Optional) Filter on MAC address
mac_addr	(Optional) 48-bit MAC address value
host-ip	(Optional) Filter on Host IP address
ipv4_host	(Optional) IPv4 address
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
ipv4_addr	(Optional) IPv4 address of Next Hop
if-hdl	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_ip_evi	(Optional) L2RIB Mac-IP Table
topo-id	(Optional) Topology ID
mac-addr	(Optional) Mac Address
prod-type	(Optional) Producer Type
host-ip	(Optional) Host IP

seq-num	(Optional) Sequence Number
next-hop1	(Optional) Next Hop 1
next-hop2	(Optional) Next Hop 2
fwd-state	(Optional) Forwarding State
rte-res	(Optional) Route Resolution
sent-to	(Optional) Active Clients
esi-id	(Optional) ESI ID
soo	(Optional) SOO
pcinfo	(Optional) Port-Channel Info
l3-info	(Optional) L3 Information
peerid	(Optional) Peer ID
peer-ifindex	(Optional) Peer Interface Index

Command Mode

- /exec

show l2route evpn mac all

show l2route evpn mac all [detail] [__readonly__ TABLE_l2route_mac_all <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <next-hop1> [<next-hop2>] [<rte-res>] [<fwd-state>] [<res-pl-next-hop1>] [<res-pl-next-hop2>] [<sent-to>] [<esi-id>] [<soo>] [<pcinfo>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_all	(Optional) L2RIB Mac All Table
topo-id	(Optional) Topology ID
mac-addr	(Optional) Mac Address
prod-type	(Optional) Producer Type
flags	(Optional) Flags
seq-num	(Optional) Sequence Number
fwd-state	(Optional) Forwarding State
res-pl-next-hop1	(Optional) Resultant PL Next hop 1
res-pl-next-hop2	(Optional) Resultant PL Next hop 2
rte-res	(Optional) Route Resolution
sent-to	(Optional) Active Clients
esi-id	(Optional) ESI ID
soo	(Optional) SOO
pcinfo	(Optional) Port-Channel Info
next-hop1	(Optional) Next Hop 1
next-hop2	(Optional) Next Hop 2

Command Mode

- /exec

show l2route evpn mac evi

show l2route evpn mac evi <vpn-id> [static | local | bgp | vxlan | lisp] [mac <mac_addr>] [next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> }] [esi <esi-id>] [detail] [__readonly__ TABLE_l2route_mac_evi <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <next-hop1> [<next-hop2>] [<rte-res>] [<fwd-state>] [<res-pl-next-hop1>] [<res-pl-next-hop2>] [<sent-to>] [<esi-id>] [<soo>] [<pcinfo>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
mac	MAC Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
vpn-id	E-VPN identifier (VLAN-ID or BD-ID)
static	(Optional) Filter on Static producer
local	(Optional) Filter on Local producer
bgp	(Optional) Filter on BGP producer
vxlan	(Optional) Filter on VXLAN producer
lisp	(Optional) Filter on LISP producer
mac	(Optional) Filter on MAC address
esi	(Optional) Filter on ESI value
mac_addr	(Optional) Enter 48-bit MAC address value
next-hop	(Optional) Filter on Next-Hop IP or Interface Name
ipv4_addr	(Optional) IPv4 address of Next Hop
if-hdl	(Optional) Interface index of Next Hop
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_evi	(Optional) L2RIB Mac EVI Table
topo-id	(Optional) Topology ID
mac-addr	(Optional) Mac Address
prod-type	(Optional) Producer Type

flags	(Optional) Flags
seq-num	(Optional) Sequence Number
next-hop1	(Optional) Next Hop 1
next-hop2	(Optional) Next Hop 2
fwd-state	(Optional) Forwarding State
res-pl-next-hop1	(Optional) Resultant PL Next hop 1
res-pl-next-hop2	(Optional) Resultant PL Next hop 2
rte-res	(Optional) Route Resolution
sent-to	(Optional) Active Clients
esi-id	(Optional) ESI ID
soo	(Optional) SOO
pcinfo	(Optional) Port-Channel Info

Command Mode

- /exec

show l2route evpn path-list all

show l2route evpn path-list { all | esi <esi-id> } [detail] [__readonly__ TABLE_l2route_evpn_pathlist_all <topo-id> <prod> <esi> [<ecmp_label>] [<flags>] [<client_ctx>] <mac-cnt> <client-nfn> [{ <cp-next-hop> }] [{ <res-next-hop> }]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
path-list	Path-List
all	Display all routes without filtering
esi	ESI Value
esi-id	ESI ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_evpn_pathlist_all	(Optional) L2RIB EVPN Pathlist all Table
topo-id	(Optional) Topology ID
prod	(Optional) Producer
esi	(Optional) ESI
ecmp_label	(Optional) ECMP label
flags	(Optional) Flags
client_ctx	(Optional) Client context
mac-cnt	(Optional) Mac count
client-nfn	(Optional) Client Notification Bitmap
cp-next-hop	(Optional) Control plane Next hops
res-next-hop	(Optional) Resultant Next hops

Command Mode

- /exec

show l2route evpn startup-route all

show l2route evpn startup-route all [detail] [__readonly__ TABLE_l2route_startup_route_all <topo-id> <src-group> <del-src-group> [<src-lpbk-ifhdl>] [<nve-ifhdl>] [<flags>] [<client-nfn>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
all	Display all routes without filtering
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_startup_route_all	(Optional) L2RIB Startup-Route All Table
topo-id	(Optional) Topology ID
src-group	(Optional) Source Group
del-src-group	(Optional) Delivery Source Group
src-lpbk-ifhdl	(Optional) Source Loopback Interface Handle
nve-ifhdl	(Optional) NVE Interface Handle
flags	(Optional) Flags
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route evpn startup-route evi

show l2route evpn startup-route evi <vpn-id> [detail] [__readonly__ TABLE_l2route_startup_route <src-group> <del-src-group> [<src-lpbk-ifhdl>] [<nve-ifhdl>] [<flags>] [<client-nfn>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
evpn	EVPN
startup-route	Startup Route
evi	Filter on E-VPN identifier (VLAN-ID or BD-ID)
vpn-id	E-VPN identifier (VLAN-ID or BD-ID)
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_startup_route	(Optional) L2RIB Startup-Route Table
src-group	(Optional) Source Group
del-src-group	(Optional) Delivery Source Group
src-lpbk-ifhdl	(Optional) Source Loopback Interface Handle
nve-ifhdl	(Optional) NVE Interface Handle
flags	(Optional) Flags
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route fl topology

show l2route fl { topology <topo-id> | all } [detail] [__readonly__ TABLE_l2route_fl [<topo-id>] <peer-id> <flood-list> <is-service-node> [<client-nfn>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
fl	Flood List
all	Display all routes without filtering
topology	Filter on toplogy ID
topo-id	topology ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_fl	(Optional) L2RIB Flood List Table
topo-id	(Optional) Topology ID
peer-id	(Optional) Peer-ID
flood-list	(Optional) Flood List
is-service-node	(Optional) Is Service Node
client-nfn	(Optional) Client Notification Bitmap

Command Mode

- /exec

show l2route peerid

show l2route peerid [__readonly__ TABLE_l2route_peerid <if-hdl> <ip-addr> <peer-id> <if-idx> <num-macs> <num-nhs>]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
peerid	Display Peer ID DB
__readonly__	(Optional)
TABLE_l2route_peerid	(Optional) L2RIB Peer-ID Table
if-hdl	(Optional) Interface Handle
ip-addr	(Optional) IP Address
if-idx	(Optional) Peer Interface Index
peer-id	(Optional) Peer-ID
num-macs	(Optional) Number of Macs
num-nhs	(Optional) Number of NHs

Command Mode

- /exec

show l2route summary

show l2route summary [__readonly__ { <total_memory> <numof_converged_tables> [{ TABLE_l2route_summary <table_name> { TABLE_producer <producer_name> <id> <objects> <memory> } <total><total_obj><total_mem> }] }]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
summary	Summary
__readonly__	(Optional) Read only
total_memory	(Optional) Total memory
numof_converged_tables	(Optional) Number of converged tables
TABLE_l2route_summary	(Optional) L2route summary table
table_name	(Optional) Table name
TABLE_producer	(Optional) Producer table
producer_name	(Optional) Producer name
id	(Optional) id
objects	(Optional) objects
memory	(Optional) Memory

Command Mode

- /exec

show l2route topology

show l2route topology [<topo_id>] [detail] [__readonly__ TABLE_l2route_topology <topo-id> <topo-name> <topo-type> [<vni>] [<encap-type>] [<iod>] [<if-hdl>] [<vtep-ip>] [<emulated-ip>] [<emulated-ro-ip>] [<tx-id>] [<rcvd-flag>] [<rmac>] [<vrf-id>] [<vmac>] [<vmac-ro>] [<flags>] [<sub-flags>] [<prev-flags>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
topology	Display topology IDs
topo_id	(Optional) Enter Topology ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_topology	(Optional) L2RIB Topology Table
topo-id	(Optional) Topology ID
topo-name	(Optional) Topology Name
topo-type	(Optional) Topology Type
vni	(Optional) VNI
encap-type	(Optional) Encap Type
iod	(Optional) IOD
if-hdl	(Optional) Interface Handle
vtep-ip	(Optional) VTEP IP Address
emulated-ip	(Optional) Emulated VTEP IP Address
emulated-ro-ip	(Optional) Emulated RO VTEP IP Address
tx-id	(Optional) Transaction ID for Topology Ack
rcvd-flag	(Optional) Flag to Indicate Topology Ack
rmac	(Optional) Local Router MAC (For L3 VNIs)
vrf-id	(Optional) VRF ID (For L3 VNIs)
vmac	(Optional) Local Virtual MAC (For L3 VNIs)
vmac-ro	(Optional) Local Virtual MAC Re-Orig(For Multi-site)

flags	(Optional) Flags
sub-flags	(Optional) Sub Flags
prev-flags	(Optional) Previous Flags

Command Mode

- /exec

show l2route topology

show l2route { mac | openflow mac | dataplane mac [local | remote] } { topology <topo-id> | all } [detail] [__readonly__ TABLE_l2route_mac <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <next-hop1> [<next-hop2>] [<rte-res>] [<fwd-state>] [<res-pl-next-hop1>] [<res-pl-next-hop2>] [<sent-to>] [<esi-id>] [<soo>] [<pcinfo>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
dataplane	dataplane
openflow	openflow
mac	MAC Route
all	Display all routes without filtering
local	(Optional) dataplane learnt local routes
remote	(Optional) dataplane learnt remote routes
topology	Filter on toplogy ID
topo-id	topology ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac	(Optional) L2RIB Mac All Table
topo-id	(Optional) Topology ID
mac-addr	(Optional) Mac Address
prod-type	(Optional) Producer Type
flags	(Optional) Flags
seq-num	(Optional) Sequence Number
next-hop1	(Optional) Next Hop 1
next-hop2	(Optional) Next Hop 2
fwd-state	(Optional) Forwarding State
res-pl-next-hop1	(Optional) Resultant PL Next hop1
res-pl-next-hop2	(Optional) Resultant PL Next hop2

rte-res	(Optional) Route Resolution
sent-to	(Optional) Active Clients
esi-id	(Optional) ESI ID
soo	(Optional) SOO
pcinfo	(Optional) Port-Channel Info

Command Mode

- /exec

show l2route topology

show l2route { mac-ip | openflow mac-ip } { topology <topo-id> | all } [detail] [__readonly__ TABLE_l2route_mac_ip_openflow <topo-id> <mac-addr> <prod-type> <seq-num> <host-ip> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]

Syntax Description

show	Show running system information
l2route	Layer 2 routing information base
mac-ip	MAC-IP Route
all	Display all routes without filtering
openflow	openflow
topology	Filter on toplogy ID
topo-id	topology ID
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_l2route_mac_ip_openflow	(Optional) L2RIB Mac-IP Table
topo-id	(Optional) Topology ID
mac-addr	(Optional) Mac Address
prod-type	(Optional) Producer Type
host-ip	(Optional) Host IP
next-hop1	(Optional) Next Hop 1
next-hop2	(Optional) Next Hop 2
seq-num	(Optional) Sequence Number
fwd-state	(Optional) Forwarding State
rte-res	(Optional) Route Resolution
sent-to	(Optional) Active Clients
esi-id	(Optional) ESI ID
soo	(Optional) SOO
pcinfo	(Optional) Port-Channel Info

l3-info	(Optional) L3 Information
peerid	(Optional) Peer ID
peer-ifindex	(Optional) Peer Interface Index

Command Mode

- /exec

show lacp counters

show lacp counters [interface <if0>] [__readonly__ TABLE_interface <interface> TABLE_member <port> <pdus-sent> <pdus-rcvd> <marker-rcvd> <marker-resp-sent> <pkt-errors> [<illegal-rcvd>] [<unknown-rcvd>]]

Syntax Description

show	Show running system information
lacp	LACP protocol
counters	LACP counters
interface	(Optional) Specify a port-channel
if0	(Optional)
__readonly__	(Optional)
TABLE_interface	(Optional) Port channel table
interface	(Optional) Port channel
TABLE_member	(Optional) Member port info
port	(Optional) Member port
pdus-sent	(Optional) Number of PDUs sent
pdus-rcvd	(Optional) Number of PDUs received
marker-rcvd	(Optional) Number of Marker PDUs received
marker-resp-sent	(Optional) Number of Marker response PDUs sent
pkt-errors	(Optional) Number of packet errors
illegal-rcvd	(Optional) Number of illegal packets received
unknown-rcvd	(Optional) Number of unknown packets received

Command Mode

- /exec

show lacp interface

show lacp interface [<if0>] [__readonly__ { TABLE_lacp_intf <interface> <operational-state> <channel-group> <port-channel> <pdus-sent> <pdus-rcvd> <marker-sent> <marker-rcvd> <marker-resp-sent> <marker-resp-rcvd> <unknown-rcvd> <illegal-rcvd> <lag-id> <active-time> { localport <local-interface> <local-mac-address> <local-system-priority> <local-port-priority> <local-port-num> <local-op-key> <local-activity> <local-timeout> <local-sync> <local-collecting> <local-distributing> <partner-info-timeout> <local-admin-state> <local-oper-state> } { partnerport <partner-interface> <partner-mac-address> <partner-system-priority> <partner-port-priority> <partner-port-num> <partner-op-key> <partner-activity> <partner-timeout> <partner-sync> <partner-collecting> <partner-distributing> <partner-admin-state> <partner-oper-state> } <agg-or-indiv> }]

Syntax Description

show	Show running system information
lacp	LACP protocol
interface	Specify a interface
if0	(Optional)
__readonly__	(Optional)
TABLE_lacp_intf	(Optional) Table of LACP interfaces
interface	(Optional) Interface ID
channel-group	(Optional) Channel Group
port-channel	(Optional) Port Channel
lag-id	(Optional) LAG Id
active-time	(Optional) active-time
operational-state	(Optional) Operational State
agg-or-indiv	(Optional) Aggregate or individual port
pdus-rcvd	(Optional) PDUs received
pdus-sent	(Optional) PDUs sent
marker-rcvd	(Optional) Markers received
marker-sent	(Optional) Markers sent
marker-resp-rcvd	(Optional) Marker response received
marker-resp-sent	(Optional) Marker response sent
unknown-rcvd	(Optional) Unknown pdus received

illegal-rcvd	(Optional) Illegal pdus received
localport	(Optional) Local port information
local-interface	(Optional) Interface
local-mac-address	(Optional) MAC Address
local-system-priority	(Optional) System Priority
local-port-priority	(Optional) Port Priority
local-port-num	(Optional) Port Number
local-op-key	(Optional) Operational Key
local-admin-state	(Optional) Local Admin State
local-oper-state	(Optional) Local Oper State
local-activity	(Optional) Mode
local-timeout	(Optional) Timeout
local-sync	(Optional) Synchronization
local-distributing	(Optional) Distributing
local-collecting	(Optional) Collecting
partner-info-timeout	(Optional) Partner information refresh timeout
partnerport	(Optional) Partner port information
partner-interface	(Optional) Partner Interface
partner-mac-address	(Optional) Partner MAC Address
partner-system-priority	(Optional) Partner System Priority
partner-port-priority	(Optional) Partner Port Priority
partner-port-num	(Optional) Partner Port Number
partner-op-key	(Optional) Operational Key
partner-admin-state	(Optional) Partner Admin State
partner-oper-state	(Optional) Partner Oper State
partner-activity	(Optional) Mode
partner-timeout	(Optional) Timeout
partner-sync	(Optional) Synchronization
partner-distributing	(Optional) Distributing

partner-collecting	(Optional) Collecting

Command Mode

- /exec

show lacp issu-impact

show lacp issu-impact [__readonly__ TABLE_interface <interface> [<failed_interface>] [<intf_issu_ready>]]

Syntax Description

show	Show running system information
lacp	Show LACP information
issu-impact	Check for ISSU readiness
__readonly__	(Optional)
TABLE_interface	(Optional) Port-channel issu-impact member list
interface	(Optional) Port-channel Member
failed_interface	(Optional) ISSU failed interface
intf_issu_ready	(Optional) interfaces ready for issu

Command Mode

- /exec

show lacp neighbor

show lacp neighbor [interface <if0>] [__readonly__ TABLE_interface <interface> TABLE_member <port> <partner-system-id> <partner-port-num> <partner-age> <partner-flags> <partner-port-priority> <partner-oper-key> <partner-port-state>]

Syntax Description

show	Show running system information
lacp	LACP protocol
neighbor	LACP interface neighbor
interface	(Optional) Specify a port-channel
if0	(Optional)
__readonly__	(Optional)
TABLE_interface	(Optional) Port channel table
interface	(Optional) Port channel
TABLE_member	(Optional) Member port info
port	(Optional) Member port
partner-system-id	(Optional) Partner System ID
partner-port-num	(Optional) Partner Port Number
partner-age	(Optional) Partner age
partner-flags	(Optional) Partner flags
partner-port-priority	(Optional) Partner Port Priority
partner-oper-key	(Optional) Partner oper key
partner-port-state	(Optional) Partner port state

Command Mode

- /exec

show lacp port-channel

show lacp port-channel [interface <if0>] [__readonly__ TABLE_interface <interface> <aggr-mac-address> <local-system-priority> <local-system-id> <local-admin-key> <local-oper-key> <partner-system-priority> <partner-system-id> <partner-oper-key> <max-delay> <agg-or-indiv> { <port-list> } +]

Syntax Description

show	Show running system information
lacp	LACP protocol
port-channel	LACP port-channels
interface	(Optional) Specify a port-channel
if0	(Optional)
__readonly__	(Optional)
TABLE_interface	(Optional) Port channel table
interface	(Optional) Port channel
aggr-mac-address	(Optional) Mac Address of aggregator
local-system-priority	(Optional) Local System Priority
local-system-id	(Optional) Local System-Id
local-admin-key	(Optional) Local admin key
local-oper-key	(Optional) Local oper key
partner-system-priority	(Optional) Partner System Priority
partner-system-id	(Optional) Partner System-Id
partner-oper-key	(Optional) Partner oper key
max-delay	(Optional) Maximum delay between aggregator and mac-client
agg-or-indiv	(Optional) Aggregate or individual port
port-list	(Optional) List of port names for member ports

Command Mode

- /exec

show lacp system-identifier

show lacp system-identifier [__readonly__ <system-priority> <system-mac>]

Syntax Description

show	Show running system information
lacp	LACP protocol
system-identifier	Show system-identifier information
__readonly__	(Optional)
system-priority	(Optional) System priority
system-mac	(Optional) System mac address

Command Mode

- /exec

show ldap-search-map

show ldap-search-map [__readonly__ { number_of_search_maps <search_map_count> } [TABLE_ldap_searchmaps [<map_name> <map_baseDN> <map_attr> <map_filter>]]]

Syntax Description

__readonly__	(Optional)
number_of_search_maps	(Optional) Total number of search maps configured
search_map_count	(Optional) Ldap Search map count
TABLE_ldap_searchmaps	(Optional) Ldap search map configuration
map_name	(Optional) Search map name
map_baseDN	(Optional) Ldap base DN
map_attr	(Optional) Search map attribute
map_filter	(Optional) Ldap Search filter
show	Show running system information
ldap-search-map	Show LDAP configuration information

Command Mode

- /exec

show ldap-server

show ldap-server [__readonly__ { global_timeout <g_timeout> } { global_port <g_port> } { global_deadtime <g_deadtime> } { total_number_of_server <g_servers_count> } { TABLE_ldap_hosts <ldap_host> <h_idletime> <h_test_user> <h_test_passwd> [<h_test_dn>] <h_timeout> <h_port> <h_rootDN> <h_ssl_enable> }]

Syntax Description

__readonly__	(Optional)
TABLE_ldap_hosts	(Optional) Ldap host configuration
global_timeout	(Optional) Ldap host global timeout
global_port	(Optional) Ldap host global port
global_deadtime	(Optional) Ldap host global deadtime
total_number_of_server	(Optional) Total number of ldap hosts configured
g_servers_count	(Optional) Total number of ldap hosts configured
g_timeout	(Optional) global timeout value
g_port	(Optional) Global ldap port
g_deadtime	(Optional) Global deadtime value
ldap_host	(Optional) Ldap host
h_idletime	(Optional) Ldap host idletime
h_test_user	(Optional) Ldap host testuser
h_test_passwd	(Optional) Ldap host password
h_test_dn	(Optional) Ldap testuser dn
h_timeout	(Optional) Ldap host timeout
h_port	(Optional) Ldap host port
h_rootDN	(Optional) Ldap host RootDN
h_ssl_enable	(Optional) Ldap host ssl configuration
show	Show running system information
ldap-server	Show LDAP configuration information

Command Mode

- /exec

show ldap-server groups

show ldap-server groups [__readonly__ { total_number_of_groups <total_groups_count> } { TABLE_groups <g_name> <g_vrf> <g_mode> <is_bind_and_search> <g_append_with_baseDN> <g_compare_or_bind> <g_cmp_passwd_attr> [<user-server-group>] [<Cert-DN-match>] <auth_mechanism> [TABLE_g_servers <g_server> <g_port> <g_timeout>] [<g_search_map>] }]

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
groups	Show LDAP server group configuration information
__readonly__	(Optional)
total_number_of_groups	(Optional) Total number of Ldap groups configured
total_groups_count	(Optional) Ldap group count
TABLE_groups	(Optional) LDAP Group information
g_name	(Optional) Ldap group name
g_vrf	(Optional) LDAP group vrf
g_mode	(Optional) LDAP group mode
is_bind_and_search	(Optional) Ldap Authentication bind or search
g_append_with_baseDN	(Optional) LDAP baseDN append information
g_compare_or_bind	(Optional) LDAP bind or compare
g_cmp_passwd_attr	(Optional) LDAP compare password attribute
user-server-group	(Optional) Ldap server group validation
Cert-DN-match	(Optional) Ldap group CERT-DN match
auth_mechanism	(Optional) Ldap server group authentication mechanism
TABLE_g_servers	(Optional) LDAP group server information
g_server	(Optional) LDAP group host
g_port	(Optional) LDAP group host port
g_timeout	(Optional) LDAP griup host timeout
g_search_map	(Optional) LDAP group search map

Command Mode

- /exec

show ldap-server statistics

show ldap-server statistics <host0> [__readonly__ { <server_state> [<clock_time> { monitoring_statistics <time_in_pstate> <ndead> <tt_in_dstate> }] } { { auth_statistics <auth_failed_transactions> <auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match> <auth_resp_not_processed> <auth_resp_error> } [acct_statistics <acct_failed_transactions> <acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match> <acct_resp_not_processed> <acct_resp_error>] }]

Syntax Description

show	Show running system information
ldap-server	Show LDAP configuration information
statistics	Show LDAP statistics
host0	DNS name or IP address
__readonly__	(Optional)
server_state	(Optional) Show state of server
clock_time	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
time_in_pstate	(Optional) Time in previous state
ndead	(Optional) Number of times dead
tt_in_dstate	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
acct_statistics	(Optional) Accounting Statistics
auth_failed_transactions	(Optional) Authentication: Failed transactions
auth_succ_transactions	(Optional) Authentication: Successful transactions
auth_req_sent	(Optional) Authentication: Requests sent
auth_req_timedout	(Optional) Authentication: Requests timedout
auth_resp_no_match	(Optional) Authentication: Responses with no matching requests
auth_resp_not_processed	(Optional) Authentication: Responses not processed
auth_resp_error	(Optional) Authentication: Responses containing errors
acct_failed_transactions	(Optional) Accounting: Failed transactions
acct_succ_transactions	(Optional) Accounting: Successful transactions

acct_req_sent	(Optional) Accounting: Requests sent
acct_req_timedout	(Optional) Accounting: Requests timedout
acct_resp_no_match	(Optional) Accounting: Responses with no matching requests
acct_resp_not_processed	(Optional) Accounting: Responses not processed
acct_resp_error	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

show license

show license [__readonly__ { [<lic_file_name> <lic_file_contents>] + }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
__readonly__	(Optional) Read only
lic_file_name	(Optional) Name of the license file
lic_file_contents	(Optional) License file contents

Command Mode

- /exec

show license brief

show license brief [__readonly__ { [<lic_file_name>] + }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
brief	Show a list of license files
__readonly__	(Optional) Read only
lic_file_name	(Optional) Name of the license file

Command Mode

- /exec

show license default

show license default [__readonly__ { TABLE_lic_default <feature_name> <def_lic_count> }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
default	Show services using default license
__readonly__	(Optional) Read Only
feature_name	(Optional) Licensed Feature Name
TABLE_lic_default	(Optional)
def_lic_count	(Optional) Default License Count

Command Mode

- /exec

show license feature package mapping

show license feature package mapping [__readonly__ { [<app_name> [<lc_type> <flags> <pkg_name> <version>] +] + | [<null_map>] }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
feature	Show application name
package	Show license package name
mapping	Show mapping between application and package name
__readonly__	(Optional) Read only
app_name	(Optional) Name of the application
lc_type	(Optional) Lincard type
flags	(Optional) Are all licenses required
pkg_name	(Optional) License Package Name
version	(Optional) License version
null_map	(Optional) No mappings defined

Command Mode

- /exec

show license file

show license file <license-file> [__readonly__ { [<lic_file_contents>] + }]

Syntax Description

show	Show running system information
license	Show the contents of all the license files
file	Show contents of a license file
license-file	Show the contents of license file __nil__ Please install a license before using this command.
__readonly__	(Optional) Read only
lic_file_contents	(Optional) License file contents

Command Mode

- /exec

show license host-id

show license host-id [__readonly__ { <host_id> }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
host-id	Show unique id for this host for licensing
__readonly__	(Optional) Read only
host_id	(Optional) unique id for this host for licensing

Command Mode

- /exec

show license reserved

show license reserved

Syntax Description

show	show commands
license	Display licensing information
reserved	Display reserved licenses information

Command Mode

- /exec

show license tech support

show license tech support

Syntax Description

show	show commands
license	Display licensing information
tech	Gather information for troubleshooting
support	Gather information for troubleshooting

Command Mode

- /exec

show license usage

show license usage [{ detail | <license-feature> }] [__readonly__ { [[TABLE_show_lic_usage { <feature_name> <lic_installed> <count> <status> <expiry_date> <comments> }] { [<application_name>] + }] | [<auth_status> [TABLE_show_smart_lic_usage { <smart_feature_name> <smart_description> <smart_count> <smart_version> <smart_status> }]] }]

Syntax Description

show	Show running system information
license	show the contents of all the license files
usage	Show license usage table
detail	(Optional) Show license usage table
license-feature	(Optional) Show usage of this license package
__readonly__	(Optional) Read only
TABLE_show_lic_usage	(Optional) License usage
feature_name	(Optional) Name of the feature
lic_installed	(Optional) Is the license installed?
count	(Optional) License count
status	(Optional) License status
expiry_date	(Optional) Expiry date of the license
comments	(Optional) License comments
application_name	(Optional) Name of the application using the license
auth_status	(Optional) Brief about smart license usage
TABLE_show_smart_lic_usage	(Optional) Smart License usage
smart_feature_name	(Optional) Name of the feature
smart_description	(Optional) Description of the entitlement
smart_count	(Optional) License count
smart_version	(Optional) License version
smart_status	(Optional) License status

Command Mode

- /exec

show line

show line [__readonly__ <speed> <databits> <stopbits> <parity> <modem_in> <modem_init_str> <stat> [TABLE_ps_output <ps>] [<speed_aux> <databits_aux> <stopbits_aux> <parity_aux> <modem_in_aux> <modem_init_str_aux> <hw_fc_aux> <stat_aux> [TABLE_ps_output_aux <ps_aux>]]]

Syntax Description

show	Show running system information
line	Show the line configuration
__readonly__	(Optional)
TABLE_ps_output	(Optional) Process info for console login
TABLE_ps_output_aux	(Optional) Process info for com1 login
speed	(Optional) Port speed(baud)
databits	(Optional) Bits per byte
stopbits	(Optional) Bits
parity	(Optional) Parity
modem_in	(Optional) Modem In
modem_init_str	(Optional) Modem Init-String
stat	(Optional) Statistics
ps	(Optional) Login process
speed_aux	(Optional) Port speed(baud)
databits_aux	(Optional) Bits per byte
stopbits_aux	(Optional) Bits
parity_aux	(Optional) Parity
modem_in_aux	(Optional) Modem In
modem_init_str_aux	(Optional) Modem Init-String
hw_fc_aux	(Optional) Hardware Flowcontrol
stat_aux	(Optional) Statistics
ps_aux	(Optional) Login process

Command Mode

- /exec

show line console

show line console [__readonly__ <speed> <databits> <stopbits> <parity> <modem_in> <modem_init_str> <stat> [TABLE_ps_output <ps>]]

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
__readonly__	(Optional)
TABLE_ps_output	(Optional) Process info for console login
speed	(Optional) Port speed(baud)
databits	(Optional) Bits per byte
stopbits	(Optional) Bits
parity	(Optional) Parity
modem_in	(Optional) Modem In
modem_init_str	(Optional) Modem Init-String
stat	(Optional) Statistics
ps	(Optional) Login process

Command Mode

- /exec

show line console connected

show line console connected [__readonly__ <output>]

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
connected	Show whether the line is currently connected physically
__readonly__	(Optional)
output	(Optional) output string

Command Mode

- /exec

show line console user-input-string

show line console user-input-string [__readonly__ <input>]

Syntax Description

show	Show running system information
line	Show the line configuration
console	Show console line configurations
user-input-string	Show user-input init string
__readonly__	(Optional)
input	(Optional) user input string

Command Mode

- /exec

show lisp ddt

show lisp ddt [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt queue

show lisp ddt queue [[instance-id <iid>] { <eid> | <eid6> }] [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
queue	Display LISP-DDT Map-Request queue in Map-Resolver
instance-id	(Optional) Show instance-ID summary display
iid	(Optional) Instance-ID for EID-prefix
eid	(Optional) IPv4 EID address
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp ddt referral-cache

{ show lisp ddt referral-cache [[instance-id <iid>] { <eid> | <eid6> }] [vrf { <vrf-name> | <vrf-known-name> }] } | { show lisp ddt referral-cache { ms-ack | ms-referral | node-referral | ms-not-registered | delegation-hole | not-authoritative } [vrf { <vrf-name> | <vrf-known-name> }] }

Syntax Description

show	Show running system information
lisp	LISP show commands
ddt	LISP Delegated Database Tree (LISP-DDT)
referral-cache	Display LISP-DDT referral cache
instance-id	(Optional) Show instance-ID summary display
iid	(Optional) Instance-ID for EID-prefix
eid	(Optional) IPv4 EID address
ms-ack	Referral cache entries to map-servers
ms-referral	Referral cache entries from parent of map-servers
node-referral	Referral cache entries from parent of DDT-nodes
ms-not-registered	Referral cache entries from map-servers
delegation-hole	Referral cache entries from any DDT-node
not-authoritative	Referral cache entries from any DDT-node
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp dynamic-eid

{ show lisp dynamic-eid { summary | { [<dyn-eid-name>] [detail] } } [vrf { <vrf-name> | <vrf-known-name> }] }

Syntax Description

show	Show running system information
lisp	LISP show commands
dynamic-eid	Display dynamic-EIDs configured and discovered
summary	One-line summary display of discovered dynamic-EIDs
dyn-eid-name	(Optional) Display a single dynamic-EID
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
detail	(Optional) Display discovered dynamic-EIDs

Command Mode

- /exec

show lisp elp

show lisp elp [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
elp	Display LISP Explicit Locator Paths configured
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp negative-prefix

show lisp negative-prefix { <eid> | <eid6> } [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
negative-prefix	Compute negative-prefix for hole in EID space
eid	IPv4 EID address
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp proxy-itr

show lisp proxy-itr [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
proxy-itr	Display discovered proyx-ITRs (PITRs)
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp site

{ show lisp site [{ { <eid> | <eid6> } [instance-id <iid>] } | { { <eid-prefix> | <eid-prefix6> } [instance-id <iid>] } | <site-name>] [detail] [vrf { <vrf-name> | <vrf-known-name> }] }

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
eid	(Optional) Display mapping for IP destination EID
eid-prefix	(Optional) Display exact match for IP EID-prefix entry
instance-id	(Optional) Instance EID-prefix registered in
iid	(Optional) Instance-ID value
site-name	(Optional) Display a single site
detail	(Optional) Display allowed registered locator sources

Command Mode

- /exec

show lisp site instance-id

{ show lisp site instance-id [<iid>] [vrf { <vrf-name> | <vrf-known-name> }] }

Syntax Description

show	Show running system information
lisp	LISP show commands
site	Display Map-Server site EID-prefixes configured
instance-id	Show instance-ID summary display
iid	(Optional) Show detail for entries of a single Instance-ID
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp smr

show lisp smr [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
smr	Display SMR state for dynamic-EIDs
vrf	(Optional) Display information for vrf
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lisp stats-cache

show lisp stats-cache [vrf { <vrf-name> | <vrf-known-name> }]

Syntax Description

show	Show running system information
lisp	LISP show commands
stats-cache	Show dynamic statistics cache
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name

Command Mode

- /exec

show lldp all

show lldp all [__readonly__ TABLE_lldp_all <intf_desc> <lldp_tx> <lldp_rx> <lldp_dcbx>]

Syntax Description

show	Show running system information
lldp	Show lldp Protocol information
all	Show all interfaces in lldp database
__readonly__	(Optional) Read only
TABLE_lldp_all	(Optional) output of show lldp all
intf_desc	(Optional) Interface desc
lldp_tx	(Optional) lldp tx status
lldp_rx	(Optional) lldp rx status
lldp_dcbx	(Optional) lldp dcbx status

Command Mode

- /exec

show lldp dcbx interface

show lldp dcbx interface <if_in> [__readonly__ <if_out> <cfg_proto> <det_proto> [<l_op_ver> <l_max_ver> <l_seq_no> <l_ack_no>] [<l_feature> <l_feat_len> <l_cfg>] + [<p_op_ver> <p_max_ver> <p_seq_no> <p_ack_no>] [<p_tlv_type> <p_tlv_ctrl> <p_tlv_len> <p_tlv_value>] +]

Syntax Description

show	Show running system information
lldp	Show information about lldp
dcbx	Show dcbx information
interface	Show lldp interface information
if_in	Enter interface
__readonly__	(Optional)
if_out	(Optional) Interface ID
cfg_proto	(Optional) Configured DCBX Protocol
det_proto	(Optional) DCBX Protocol detected
l_op_ver	(Optional) local dcbx control operation version
l_max_ver	(Optional) local dcbx control maximum version
l_seq_no	(Optional) local dcbx control seq no
l_ack_no	(Optional) local dcbx control ack no
l_feature	(Optional) local feature
l_feat_len	(Optional) Local Feature Length
l_cfg	(Optional) local feature config
p_op_ver	(Optional) peer dcbx control operation version
p_max_ver	(Optional) peer dcbx control maximum version
p_seq_no	(Optional) peer dcbx control seq no
p_ack_no	(Optional) peer dcbx control ack no
p_tlv_type	(Optional) peer TLV type field
p_tlv_ctrl	(Optional) peer TLV control info
p_tlv_len	(Optional) Peer TLV Length
p_tlv_value	(Optional) peer TLV value field

Command Mode

- /exec

show lldp entry

show lldp entry [<sys-name>] [__readonly__ { <neigh_hdr> } { TABLE_entry <chassis_type> <chassis_id> <port_type> <port_id> <l_port_id> <port_desc> <sys_name> <sys_desc> <ttl> <capability> <mgmt_addr_type> <mgmt_addr> <mgmt_addr_ipv6_type> <mgmt_addr_ipv6> <vlan_id> } { <neigh_count> }]

Syntax Description

show	Show running system information
lldp	Show information about lldp
entry	Show lldp entry information
sys-name	(Optional) WORD Peer's System name
__readonly__	(Optional)
neigh_hdr	(Optional)
TABLE_entry	(Optional) Table Entry
chassis_type	(Optional) Chassis ID type
chassis_id	(Optional) Chassis ID
port_type	(Optional) Port ID type
port_id	(Optional) Port ID
l_port_id	(Optional) Port ID
port_desc	(Optional) Port description
sys_name	(Optional) System name
sys_desc	(Optional) System description
ttl	(Optional) Time to live
capability	(Optional) Capability
mgmt_addr_type	(Optional) Management Address type
mgmt_addr	(Optional) Management Address
mgmt_addr_ipv6_type	(Optional) IPV6 Management Address type
mgmt_addr_ipv6	(Optional) IPV6 Management Address
vlan_id	(Optional) Vlan ID
neigh_count	(Optional)

Command Mode

- /exec

show lldp interface

show lldp interface <if0> [__readonly__ <interface> <tx_en> <rx_en> <dcbx_en> <port_mac> [<tlv_type> <tlv_len> [<tlv_value>]] + [<l_op_ver> <l_max_ver> <l_seq_no> <l_ack_no> [<l_feature> <l_cfg_len> <l_cfg>] +] [<p_op_ver> <p_max_ver> <p_seq_no> <p_ack_no> [<p_tlv_type> <p_tlv_len> <p_tlv_value>] +]]

Syntax Description

show	Show running system information
lldp	Show information about lldp
interface	Show lldp interface information
if0	Enter interface
__readonly__	(Optional)
interface	(Optional) Interface ID
tx_en	(Optional) tx enable
rx_en	(Optional) rx enable
dcbx_en	(Optional) dcbx enable
port_mac	(Optional) Port mac address
tlv_type	(Optional) TLV type field
tlv_len	(Optional) TLV len field
tlv_value	(Optional) TLV value field
l_op_ver	(Optional) local dcbx control operation version
l_max_ver	(Optional) local dcbx control maximum version
l_seq_no	(Optional) local dcbx control seq no
l_ack_no	(Optional) local dcbx control ack no
l_feature	(Optional) local feature
l_cfg_len	(Optional) local feature config length
l_cfg	(Optional) local feature config
p_op_ver	(Optional) peer dcbx control operation version
p_max_ver	(Optional) peer dcbx control maximum version
p_seq_no	(Optional) peer dcbx control seq no

p_ack_no	(Optional) peer dcbx control ack no
p_tlv_type	(Optional) peer TLV type field
p_tlv_len	(Optional) peer TLV len field
p_tlv_value	(Optional) peer TLV value field

Command Mode

- /exec

show lldp neighbors

show lldp neighbors [interface <if>] [__readonly__ { <neigh_hdr> } { TABLE_nbor <chassis_type> <chassis_id> <l_port_id> <hold_time> [<capability>] <system_capability> <enabled_capability> <port_type> <port_id> <mgmt_addr_type> <mgmt_addr> <mgmt_addr_ipv6_type> <mgmt_addr_ipv6> } { <neigh_count> }]

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
if	(Optional) Enter interface
__readonly__	(Optional)
neigh_hdr	(Optional)
TABLE_nbor	(Optional) Neighbor Table
chassis_type	(Optional) Chassis ID type
chassis_id	(Optional) Chassis ID
l_port_id	(Optional) Local port ID
hold_time	(Optional) Hold time
capability	(Optional) Capability
system_capability	(Optional) System Capability
enabled_capability	(Optional) Enabled Capability
port_type	(Optional) Port ID type
port_id	(Optional) Port ID
mgmt_addr_type	(Optional) Management Address type
mgmt_addr	(Optional) Management Address
mgmt_addr_ipv6_type	(Optional) IPV6 Management Address type
mgmt_addr_ipv6	(Optional) IPV6 Management Address
neigh_count	(Optional)

Command Mode

- /exec

show lldp neighbors detail

show lldp neighbors [interface <if>] detail [__readonly__ { <neigh_hdr> } { TABLE_nbor_detail <chassis_type> <chassis_id> <port_type> <port_id> <l_port_id> <port_desc> <sys_name> <sys_desc> <ttl> [<capability>] <system_capability> <enabled_capability> <mgmt_addr_type> <mgmt_addr> <mgmt_addr_ipv6_type> <mgmt_addr_ipv6> <vlan_id> } { <neigh_count> }]

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
if	(Optional) Enter interface
detail	Show lldp neighbor detail information
__readonly__	(Optional)
neigh_hdr	(Optional)
TABLE_nbor_detail	(Optional) Neighbor detail Table
chassis_type	(Optional) Chassis ID type
chassis_id	(Optional) Chassis ID
port_type	(Optional) Port ID type
port_id	(Optional) Port ID
l_port_id	(Optional) Port ID
port_desc	(Optional) Port description
sys_name	(Optional) System name
sys_desc	(Optional) System description
ttl	(Optional) Time to live
capability	(Optional) Capability
system_capability	(Optional) System Capability
enabled_capability	(Optional) Enabled Capability
mgmt_addr_type	(Optional) Management Address type
mgmt_addr	(Optional) Management Address

mgmt_addr_ipv6_type	(Optional) IPV6 Management Address type
mgmt_addr_ipv6	(Optional) IPV6 Management Address
vlan_id	(Optional) Vlan ID
neigh_count	(Optional)

Command Mode

- /exec

show lldp neighbors system-detail

show lldp neighbors [interface <if>] system-detail [__readonly__ { <neigh_hdr> } { TABLE_nbor_sys_detail <sys_type> <sys_name> <l_port_id> <chassis_type> <chassis_id> <port_type> <port_id> <ttl> <capability> <mgmt_addr_type> <mgmt_addr> } { <neigh_count> }]

Syntax Description

show	Show running system information
lldp	Show information about lldp
neighbors	Show lldp neighbor information
interface	(Optional) Show lldp neighbor information on an interface
if	(Optional) Enter interface
system-detail	Show lldp neighbor system detail information
__readonly__	(Optional)
neigh_hdr	(Optional)
TABLE_nbor_sys_detail	(Optional) Neighbor sys-detail Table
sys_type	(Optional) System Type
sys_name	(Optional) System Name
l_port_id	(Optional) Local port ID
chassis_type	(Optional) Chassis ID type
chassis_id	(Optional) Chassis ID
port_type	(Optional) Port ID type
port_id	(Optional) Port ID
ttl	(Optional) Time to live
capability	(Optional) Capability
mgmt_addr_type	(Optional) Management Address type
mgmt_addr	(Optional) Management Address
neigh_count	(Optional)

Command Mode

- /exec

show lldp portid-subtype

show lldp portid-subtype [__readonly__ <portid_subtype>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
portid-subtype	Show lldp portid-subtype
__readonly__	(Optional)
portid_subtype	(Optional) portid-subtype for LLDP TLV and MIBs

Command Mode

- /exec

show lldp timers

show lldp timers [__readonly__ <ttl> <reinit> <tx_interval> <tx_delay> <hold_mplier> <notification_interval>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
timers	Show lldp timers
__readonly__	(Optional)
ttl	(Optional) Time to Live for lldp info
reinit	(Optional) Interface reinit timer
tx_interval	(Optional) Wait interval between successive transmit
tx_delay	(Optional) Delay between successive frame transmissions
hold_mplier	(Optional) Hold multiplier for ttl
notification_interval	(Optional) Notification interval for SNMP trap

Command Mode

- /exec

show lldp tlv-select

show lldp tlv-select [__readonly__ <management-address-v4> <management-address-v6> <port-description> <port-vlan> <power-management> <system-capabilities> <system-description> <system-name> <dcbxp-cin-cee> [<dcbxp-cn>] [<dcbxp-ets-cfg>] [<dcbxp-ets-reco>] [<dcbxp-pfc-cfg>] [<dcbxp-app-pri>] [<dcbxp-app-vlan>]]

Syntax Description

show	Show running system information
lldp	Show information about lldp
tlv-select	Show lldp tlv-select
__readonly__	(Optional)
management-address-v4	(Optional) Management address v4
management-address-v6	(Optional) Management address v6
port-description	(Optional) Port description
port-vlan	(Optional) Port vlan
power-management	(Optional) IEEE 802.3 DTE Power via MDI TLV
system-capabilities	(Optional) System capabilities
system-description	(Optional) System description
system-name	(Optional) System name
dcbxp-cin-cee	(Optional) DCBXP CIN or CEE
dcbxp-cn	(Optional) DCBXP Congestion Notification
dcbxp-ets-cfg	(Optional) DCBXP ETS Configuration
dcbxp-ets-reco	(Optional) DCBXP ETS Recommendation
dcbxp-pfc-cfg	(Optional) DCBXP PFC Configuration
dcbxp-app-pri	(Optional) DCBXP Application Priorities
dcbxp-app-vlan	(Optional) DCBXP Application VLAN's

Command Mode

- /exec

show lldp traffic

show lldp traffic [__readonly__ <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
__readonly__	(Optional)
tx_cnt	(Optional) Transmit count
aged_cnt	(Optional) Aged out count
rx_cnt	(Optional) Received count
rx_err	(Optional) Received error count
disc_cnt	(Optional) Disconnect count
unrecognized_tlv	(Optional) Unrecognized TLV count

Command Mode

- /exec

show lldp traffic interface

show lldp traffic interface <if> [__readonly__ <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>]

Syntax Description

show	Show running system information
lldp	Show information about lldp
traffic	Show lldp counters
interface	Show lldp traffic counters on an interface
if	Enter interface
__readonly__	(Optional)
interface	(Optional) Interface ID
tx_cnt	(Optional) Transmit count
aged_cnt	(Optional) Aged out count
rx_cnt	(Optional) Received count
rx_err	(Optional) Received error count
disc_cnt	(Optional) Disconnect count
unrecognized_tlv	(Optional) Unrecognized TLV count

Command Mode

- /exec

show locator-led status

show locator-led status [__readonly__ { TABLE_loc_led_stat <component> <status> }]

Syntax Description

show	Show running system information
locator-led	blink locator led on device
status	status
__readonly__	(Optional)
TABLE_loc_led_stat	(Optional)
component	(Optional)
status	(Optional)

Command Mode

- /exec

show logging

show logging

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile

Command Mode

- /exec

show logging console

show logging console

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
console	Show console logging configuration

Command Mode

- /exec

show logging info

show logging info [__readonly__ { <console_status> [<console_severity>] } { <monitor_status> [<monitor_severity>] } { <linecard_status> [<linecard_severity>] } { <log_timestamp> } [{ <source_interface_status> } [<source_interface_intf> | <source_interface_intf_index><source_interface_error>]] { <server_status> [{ TABLE_logserver <server><forwarding><severity><facility><vrf><port> [<transport>] }] } { { <origin_id_status> } [<origin_id>] } [[<logflash_status>] [<logflash_severity>]] { <logfile_status> [<logfile_name><logfile_severity><logfile_size>] } { { TABLE_facility <fac_name><def_level><cur_level> } { <fac_info> } }]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
info	Show logging configuration
__readonly__	(Optional)
console_status	(Optional) console logging status
console_severity	(Optional) console logging level
monitor_status	(Optional) monitor logging status
monitor_severity	(Optional) monitor logging level
linecard_status	(Optional) linecard logging status
linecard_severity	(Optional) linecard logging level
log_timestamp	(Optional) timestamp unit
source_interface_status	(Optional) source-interface logging status
source_interface_intf	(Optional) source-interface interface
server_status	(Optional) logging server status
TABLE_logserver	(Optional) output of show logging server
transport	(Optional) remote server transport
origin_id_status	(Optional) origin-id status
origin_id	(Optional) origin-id
logflash_status	(Optional) logflash status
logflash_severity	(Optional) logflash level
logfile_status	(Optional) logfile status
TABLE_facility	(Optional) output of show logging level(facility)

fac_info	(Optional) level info

Command Mode

- /exec

show logging ip access-list cache

show logging ip access-list cache [detail] [__readonly__ <disp_flags> <sgt> <src_ip> <dst_ip> <src_port> <dst_port> <if_index> <proto> <hit_cnt> <acl_name> <acl_num> <acl_permit> <acl_ingress> <acl_type> <acl_appl_if_index> <acl_fltr_hit_cnt>]

Syntax Description

show	Show running system information
logging	logging information
ip	IP configuration
access-list	Access-list
cache	logging
detail	(Optional) Show additional details about entries in cache
__readonly__	(Optional)
disp_flags	(Optional) Display flags
sgt	(Optional) SGT
src_ip	(Optional) Source IP
dst_ip	(Optional) Dest IP
src_port	(Optional) Source port
dst_port	(Optional) Dest port
if_index	(Optional) Interface
proto	(Optional) Protocol
hit_cnt	(Optional) Hits
acl_name	(Optional) ACL Name
acl_num	(Optional) ACL Number
acl_permit	(Optional) ACL Permit
acl_ingress	(Optional) ACL Ingress
acl_type	(Optional) ACL Filter Type
acl_appl_if_index	(Optional) ACL Applied Interface
acl_fltr_hit_cnt	(Optional) ACL Filter Count

Command Mode

- /exec

show logging ip access-list status

show logging ip access-list status [__readonly__ <num_entries> <seconds> <num_packets>]

Syntax Description

show	Show running system information
logging	logging information
ip	IP configuration
access-list	Access-list
status	ACLLOG status
__readonly__	(Optional)
num_entries	(Optional) Max flows
seconds	(Optional) Log-update interval in seconds
num_packets	(Optional) threshold

Command Mode

- /exec

show logging last

show logging last <i0>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
last	Show last few lines of logfile
i0	Enter number of lines to display

Command Mode

- /exec

show logging level

show logging level [{ auth | authpriv | cron | daemon | ftp | kernel | local0 | local1 | local2 | local3 | local4 | local5 | local6 | local7 | lpr | mail | news | syslog | user | uucp }] [__readonly__ { TABLE_facility <fac_name> <def_level> <cur_level> }]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
auth	(Optional) Show Authorization System logging configuration
authpriv	(Optional) Show Authorization (Private) logging configuration
cron	(Optional) Show Cron/at facility logging configuration
daemon	(Optional) Show System daemons logging configuration
ftp	(Optional) Show File Transfer System logging configuration
kernel	(Optional) Show kernel logging configuration
local0	(Optional) Show Local use daemons logging configuration
local1	(Optional) Show Local use daemons logging configuration
local2	(Optional) Show Local use daemons logging configuration
local3	(Optional) Show Local use daemons logging configuration
local4	(Optional) Show Local use daemons logging configuration
local5	(Optional) Show Local use daemons logging configuration
local6	(Optional) Show Local use daemons logging configuration
local7	(Optional) Show Local use daemons logging configuration
lpr	(Optional) Show Line Printer System logging configuration
mail	(Optional) Show Mail System logging configuration
news	(Optional) Show USENET news logging configuration
syslog	(Optional) Show Internal Syslog Messages logging configuration
user	(Optional) Show user process logging configuration
uucp	(Optional) Show Unix-to-Unix copy system logging configuration
__readonly__	(Optional)

fac_name	(Optional) facility names
TABLE_facility	(Optional)
def_level	(Optional) default severity
cur_level	(Optional) current severity

Command Mode

- /exec

show logging level

show logging level

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level aaa

show logging level aaa

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aaa	Show aaa logging configuration

Command Mode

- /exec

show logging level acllog

show logging level acllog

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
acllog	Show acllog logging configuration

Command Mode

- /exec

show logging level aclmgr

show logging level aclmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
aclmgr	Show aclmgr logging configuration

Command Mode

- /exec

show logging level adbm

show logging level adbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adbm	Show adbm logging configuration

Command Mode

- /exec

show logging level adjmgr

show logging level adjmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
adjmgr	Show adjmgr logging configuration

Command Mode

- /exec

show logging level amt

show logging level amt

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
amt	Show amt logging configuration

Command Mode

- /exec

show logging level arp

show logging level arp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
arp	Show arp logging configuration

Command Mode

- /exec

show logging level ascii-cfg

show logging level ascii-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ascii-cfg	Show ascii-cfg logging configuration

Command Mode

- /exec

show logging level assoc_mgr

show logging level assoc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
assoc_mgr	Show Association Manager Logging Configuration

Command Mode

- /exec

show logging level backup

show logging level { backup | flexlink }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
backup	Show Switchport Backup logging level
flexlink	Show Switchport Backup logging level

Command Mode

- /exec

show logging level bfd

show logging level bfd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bfd	Show bfd logging configuration

Command Mode

- /exec

show logging level bgp

show logging level bgp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bgp	Show BGP logging configuration

Command Mode

- /exec

show logging level bloggerd

show logging level bloggerd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bloggerd	Show BloggerD logging configuration

Command Mode

- /exec

show logging level bootvar

show logging level bootvar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
bootvar	Show bootvar logging configuration

Command Mode

- /exec

show logging level callhome

show logging level callhome

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
callhome	Show callhome logging configuration

Command Mode

- /exec

show logging level capability

show logging level capability

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
capability	Show capability logging configuration

Command Mode

- /exec

show logging level catena

show logging level catena

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
catena	Show catena logging configuration

Command Mode

- /exec

show logging level cdp

show logging level cdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cdp	Show CDP logging configuration

Command Mode

- /exec

show logging level cert-enroll

show logging level cert-enroll

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cert-enroll	Show Cert-enroll logging configuration

Command Mode

- /exec

show logging level cert_enroll

show logging level cert_enroll

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cert_enroll	Show Cert-enroll logging configuration

Command Mode

- /exec

show logging level cfs

show logging level cfs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level clis

show logging level clis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clis	Show CLIS logging configuration

Command Mode

- /exec

show logging level clk_mgr

show logging level clk_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
clk_mgr	Show clock manager logging configuration

Command Mode

- /exec

show logging level confcheck

show logging level confcheck

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
confcheck	Show confcheck logging configuration

Command Mode

- /exec

show logging level copp

show logging level copp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
copp	Show copp logging configuration

Command Mode

- /exec

show logging level core

show logging level core

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
core	Show core daemon logging configuration

Command Mode

- /exec

show logging level cts

show logging level cts

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
cts	Show cts logging configuration

Command Mode

- /exec

show logging level dhcp_snoop

show logging level dhcp_snoop

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dhcp_snoop	Show DHCP snoop logging configuration

Command Mode

- /exec

show logging level diagnostic device_test

show logging level diagnostic device_test

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
device_test	Show device_test logging configuration

Command Mode

- /exec

show logging level diagnostic diagclient

show logging level diagnostic diagclient

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagclient	Show diagclient logging configuration

Command Mode

- /exec

show logging level diagnostic diagmgr

show logging level diagnostic diagmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
diagnostic	Diagnostic commands
diagmgr	Show diagmgr logging configuration

Command Mode

- /exec

show logging level dot1x

show logging level dot1x

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
dot1x	Show dot1x logging configuration

Command Mode

- /exec

show logging level ecp

show logging level ecp

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
ecp	Set syslog filter level for ECP

Command Mode

- /exec

show logging level eigrp

show logging level eigrp [<eigrp-ptag>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eigrp	Show EIGRP logging configuration
eigrp-ptag	(Optional) Process tag

Command Mode

- /exec

show logging level eltm

show logging level eltm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
eltm	Show eltm logging configuration

Command Mode

- /exec

show logging level epp

show logging level epp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
epp	Show epp logging configuration

Command Mode

- /exec

show logging level ethdstats

show logging level ethdstats

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethdstats	Show delta statistics logging configuration

Command Mode

- /exec

show logging level ethpm

show logging level ethpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ethpm	Show ethpm logging configuration

Command Mode

- /exec

show logging level evb

show logging level evb

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
evb	Set syslog filter level for EVB

Command Mode

- /exec

show logging level evmc

show logging level evmc

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmc	Show level for evmc syslog messages

Command Mode

- /exec

show logging level evmed

show logging level evmed

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evmed	Show level for evmed syslog messages

Command Mode

- /exec

show logging level evms

show logging level evms

Syntax Description

show	Show running system information
logging	Show message logging facilities
level	Show facility logging configuration
evms	Show level for evms syslog messages

Command Mode

- /exec

show logging level fabric forwarding

show logging level fabric forwarding

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show logging level fcoe_mgr

show logging level fcoe_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fcoe_mgr	Show fcoe_mgr logging configuration

Command Mode

- /exec

show logging level feature-mgr

show logging level feature-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
feature-mgr	Show feature manager logging configuration

Command Mode

- /exec

show logging level fs-daemon

show logging level fs-daemon

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
fs-daemon	Show fs-daemon logging configuration

Command Mode

- /exec

show logging level gpixm

show logging level gpixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
gpixm	Show global-pixm logging configuration

Command Mode

- /exec

show logging level hardware-telemetry

show logging level hardware-telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hardware-telemetry	Show hardware-telemetry logging configuration

Command Mode

- /exec

show logging level hsrp

show logging level hsrp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
hsrp	Show HSRP logging configuration

Command Mode

- /exec

show logging level icam

show logging level icam

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
icam	Show icam logging configuration

Command Mode

- /exec

show logging level im

show logging level im

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
im	Show im logging configuration

Command Mode

- /exec

show logging level imp

show logging level imp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
imp	Show imp logging configuration

Command Mode

- /exec

show logging level interface-vlan

show logging level interface-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
interface-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ip igmp

show logging level ip igmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	Display IP information
igmp	Show igmp logging configuration

Command Mode

- /exec

show logging level ip msdp

show logging level ip msdp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	Display IP information
msdp	Show msdp logging configuration

Command Mode

- /exec

show logging level ip sla responder

show logging level ip sla responder

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
responder	Show sla-responder logging configuration

Command Mode

- /exec

show logging level ip sla sender

show logging level ip sla sender

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
sender	Show sla-sender logging configuration

Command Mode

- /exec

show logging level ip sla twamp-server

show logging level ip sla twamp-server

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	
sla	Service Level Agreement (SLA)
twamp-server	Show sla-twamp-server logging configuration

Command Mode

- /exec

show logging level ipconf

show logging level ipconf [ipv6]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipconf	Show ipconf logging configuration
ipv6	(Optional) Show ipv6 Conf logging configuration

Command Mode

- /exec

show logging level ipfib

show logging level ipfib

Syntax Description

show	show
logging	logging
level	level
ipfib	ipfib

Command Mode

- /exec

show logging level ipqos

show logging level ipqos

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level ipv6 icmp

show logging level ipv6 icmp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	Configure IPv6 features
icmp	Show icmpv6 logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level iscm

show logging level iscm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
iscm	Show iscm logging configuration

Command Mode

- /exec

show logging level isis

show logging level isis

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
isis	Show ISIS logging configuration

Command Mode

- /exec

show logging level keystore

show logging level { keystore | sksd }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
keystore	Show Keystore logging configuration
sksd	show Keystore/sksd logging configuration

Command Mode

- /exec

show logging level l2fm

show logging level l2fm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l2fm	Show l2fm logging configuration

Command Mode

- /exec

show logging level l3vm

show logging level l3vm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
l3vm	Show L3VM logging configuration

Command Mode

- /exec

show logging level lacp

show logging level lacp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lacp	Show lacp logging configuration

Command Mode

- /exec

show logging level ldap

show logging level ldap

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ldap	Show ldap logging configuration

Command Mode

- /exec

show logging level license

show logging level { license | licmgr }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
license	Show Licensing logging configuration
licmgr	Show Licensing logging configuration

Command Mode

- /exec

show logging level lim

show logging level lim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lim	Show lim logging configuration

Command Mode

- /exec

show logging level lldp

show logging level lldp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
lldp	Show LLDP logging configuration

Command Mode

- /exec

show logging level m2rib

show logging level m2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
m2rib	Show M2RIB logging configuration

Command Mode

- /exec

show logging level mfdm

show logging level mfdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfdm	Show mfdm logging configuration

Command Mode

- /exec

show logging level mfwd

show logging level mfwd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mfwd	Show MCASTFWD logging configuration

Command Mode

- /exec

show logging level mmode

show logging level mmode

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mmode	Show maintenance mode logging configuration

Command Mode

- /exec

show logging level module

show logging level module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
module	Show module(linecard) manager logging configuration

Command Mode

- /exec

show logging level monitor

show logging level monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging level mpls manager

show logging level mpls manager

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
manager	Show MPLS manager logging configuration

Command Mode

- /exec

show logging level mpls switching

show logging level mpls switching

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Show MPLS logging configuration
switching	Show mpls switching logging configuration

Command Mode

- /exec

show logging level mpls traffic-eng

show logging level mpls traffic-eng

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
mpls	Display MPLS status and configuration
traffic-eng	Show Traffic Engineering logging configuration

Command Mode

- /exec

show logging level mvsh

show logging level mvsh

Syntax Description

show	Show commands
logging	Show message logging facilities
level	Show message logging facilities
mvsh	Show level for mvsh syslog messages

Command Mode

- /exec

show logging level nat

show logging level nat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nat	Show NAT logging configurarion

Command Mode

- /exec

show logging level nbm

show logging level nbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nbm	Show Non Blocking Multicast logging configuration

Command Mode

- /exec

show logging level netstack

show logging level netstack

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
netstack	Show netstack logging configuration

Command Mode

- /exec

show logging level nfm

show logging level nfm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nfm	Show NFM logging configuration

Command Mode

- /exec

show logging level ngoam

show logging level ngoam

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ngoam	Show ngoam logging level

Command Mode

- /exec

show logging level npv

show logging level npv

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
npv	Show npv logging configuration

Command Mode

- /exec

show logging level ntp

show logging level ntp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ntp	Show NTP logging settings.

Command Mode

- /exec

show logging level nve

show logging level nve

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
nve	Show NVE logging configuration

Command Mode

- /exec

show logging level nxsdk

show logging level nxsdk

Syntax Description

show	Show running system information
logging	Modify message logging facilities
level	Facility parameter for syslog messages
nxsdk	NXOS SDK

Command Mode

- /exec

show logging level openflow

show logging level openflow

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
openflow	Show OpenFlow agent logging configuration

Command Mode

- /exec

show logging level ospf

show logging level ospf

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospf	Show OSPF logging configuration

Command Mode

- /exec

show logging level ospfv3

show logging level ospfv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ospfv3	Display OSPFv3 status and configuration

Command Mode

- /exec

show logging level pfstat

show logging level pfstat

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pfstat	Show pfstat logging configuration

Command Mode

- /exec

show logging level pim

show logging level [ipv6] pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ipv6	(Optional) Display IPv6 information
pim	Show pim6 logging configuration

Command Mode

- /exec

show logging level pim

show logging level [ip] pim

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ip	(Optional) Display IP information
pim	Show pim logging configuration

Command Mode

- /exec

show logging level pixm

show logging level pixm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pixm	Show vdc-local-pixm logging configuration

Command Mode

- /exec

show logging level pktmgr

show logging level pktmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pktmgr	Show pktmgr logging configuration

Command Mode

- /exec

show logging level platform

show logging level platform

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
platform	Show platform logging configuration

Command Mode

- /exec

show logging level plbm

show logging level plbm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
plbm	Show plbm logging configuration

Command Mode

- /exec

show logging level plcmgr

show logging level plcmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level pltfm_config

show logging level pltfm_config

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
pltfm_config	Show pltfm_config logging configuration

Command Mode

- /exec

show logging level plugin

show logging level plugin

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
plugin	Show plugin logging configuration

Command Mode

- /exec

show logging level poap

show logging level poap

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
poap	Show poap logging configuration

Command Mode

- /exec

show logging level poed

show logging level poed

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
poed	Show PoE Daemon Logging Configuration

Command Mode

- /exec

show logging level port-channel

show logging level port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-channel	Show port-channel logging configuration

Command Mode

- /exec

show logging level port-profile

show logging level port-profile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-profile	Show syslog level for port-profile

Command Mode

- /exec

show logging level port-resources

show logging level port-resources

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-resources	Show port-resources logging configuration

Command Mode

- /exec

show logging level port-security

show logging level port-security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port-security	Show port-security logging configuration

Command Mode

- /exec

show logging level port

show logging level port

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
port	Show port logging configuration

Command Mode

- /exec

show logging level private-vlan

show logging level private-vlan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
private-vlan	Show interface-vlan logging configuration

Command Mode

- /exec

show logging level ptp

show logging level ptp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ptp	Show ptp logging configuration

Command Mode

- /exec

show logging level radius

show logging level radius

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
radius	Show radius logging configuration

Command Mode

- /exec

show logging level res_mgr

show logging level res_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
res_mgr	Show res_mgr logging configuration

Command Mode

- /exec

show logging level rip

show logging level rip

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rip	Show RIP logging configuration

Command Mode

- /exec

show logging level routing ipv6 multicast

show logging level routing ipv6 multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information

Command Mode

- /exec

show logging level routing multicast

show logging level routing [ip | ipv4] multicast

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information

Command Mode

- /exec

show logging level rpm

show logging level rpm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
rpm	Show RPM logging configuration

Command Mode

- /exec

show logging level sal

show logging level sal

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sal	Show SAL logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level san-port-channel

show logging level san-port-channel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
san-port-channel	Show san-port-channel logging configuration

Command Mode

- /exec

show logging level scheduler

show logging level scheduler

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
scheduler	Show scheduler logging configuration

Command Mode

- /exec

show logging level security

show logging level security

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
security	Show security logging configuration

Command Mode

- /exec

show logging level segment-routing

show logging level segment-routing

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
segment-routing	Show SR logging configuration

Command Mode

- /exec

show logging level session-mgr

show logging level session-mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
session-mgr	Show session-mgr logging configurarion

Command Mode

- /exec

show logging level sflow

show logging level sflow

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sflow	Show sFlow logging configuration

Command Mode

- /exec

show logging level smartc

show logging level smartc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
smartc	Show smartc logging configuration

Command Mode

- /exec

show logging level smm

show logging level smm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
smm	Show Shared Memory Manager logging configuration

Command Mode

- /exec

show logging level snmpd

show logging level snmpd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpd	Show SNMP logging configuration

Command Mode

- /exec

show logging level snmpmib_proc

show logging level snmpmib_proc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
snmpmib_proc	Show snmpmib_proc logging configuration

Command Mode

- /exec

show logging level spanning-tree

show logging level spanning-tree

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spanning-tree	Show spanning-tree logging configuration

Command Mode

- /exec

show logging level spm

show logging level spm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
spm	Show spm logging configuration

Command Mode

- /exec

show logging level stripcl

show logging level stripcl

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
stripcl	Show stripcl logging configuration

Command Mode

- /exec

show logging level sysmgr

show logging level sysmgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
sysmgr	Show sysmgr logging configuration

Command Mode

- /exec

show logging level tacacs

show logging level tacacs

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tacacs	Show tacacs+ logging configuration

Command Mode

- /exec

show logging level telemetry

show logging level telemetry

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
telemetry	Show telemetry logging level

Command Mode

- /exec

show logging level track

show logging level track

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
track	Show track logging configuration

Command Mode

- /exec

show logging level tunnel

show logging level tunnel

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
tunnel	Show tunnel logging settings

Command Mode

- /exec

show logging level u2rib

show logging level u2rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u2rib	Show U2RIB logging configuration

Command Mode

- /exec

show logging level u6rib

show logging level u6rib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
u6rib	Show U6RIB logging configuration

Command Mode

- /exec

show logging level udld

show logging level udld

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
udld	Show udld logging configuration

Command Mode

- /exec

show logging level ufdm

show logging level ufdm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
ufdm	Show ufdm logging configuration

Command Mode

- /exec

show logging level urib

show logging level urib

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
urib	Show URIB logging configuration

Command Mode

- /exec

show logging level vdc_mgr

show logging level vdc_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vdc_mgr	Show vdc manager logging configuration

Command Mode

- /exec

show logging level virtual-service

show logging level virtual-service

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
virtual-service	Show virtualization manager logging configuration

Command Mode

- /exec

show logging level vlan_mgr

show logging level vlan_mgr

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vlan_mgr	Show vlan manager logging configuration

Command Mode

- /exec

show logging level vmm

show logging level vmm

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmm	Show vmm logging configuration

Command Mode

- /exec

show logging level vmtracker

show logging level vmtracker

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vmtracker	Show vmtracker logging configuration

Command Mode

- /exec

show logging level vpc

show logging level vpc

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vpc	Show vPC logging configuration

Command Mode

- /exec

show logging level vrrp-cfg

show logging level vrrp-cfg

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-cfg	Show vrrp-cfg logging configuration

Command Mode

- /exec

show logging level vrrp-eng

show logging level vrrp-eng

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrp-eng	Show vrrp-eng logging configuration

Command Mode

- /exec

show logging level vrrpv3

show logging level vrrpv3

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vrrpv3	level for vrrpv3 configuration

Command Mode

- /exec

show logging level vsan

show logging level vsan

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vsan	Show vsan logging configuration

Command Mode

- /exec

show logging level vshd

show logging level vshd

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging level vtp

show logging level vtp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
vtp	Show vtp logging configuration

Command Mode

- /exec

show logging level wwn

show logging level wwn

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration
wwn	Show wwn logging configuration

Command Mode

- /exec

show logging level xbar

show logging level xbar

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
level	Show facility logging configuration

Command Mode

- /exec

show logging logfile

show logging logfile

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile

Command Mode

- /exec

show logging logfile duration

show logging logfile duration <s1>

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
duration	show messages from logfile of last given duration
s1	Enter hour, minutes, seconds of duration as HH:MM:SS

Command Mode

- /exec

show logging logfile last-index

show logging logfile last-index

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
last-index	Show the sequence-number of the last message in logfile

Command Mode

- /exec

show logging logfile start-seqn

show logging logfile start-seqn <i0> [end-seqn <i1>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-seqn	Show messages from logfile from a given start-sequence-number
i0	Enter starting sequence number
end-seqn	(Optional) Show messages from logfile from a given end-sequence-number
i1	(Optional) Enter ending sequence number

Command Mode

- /exec

show logging logfile start-time

show logging logfile start-time <i0> <s0> <i1> <s1> [end-time <i2> <s2> <i3> <s3>]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
logfile	Show contents of logfile
start-time	Show messages from logfile from a given start-time
i0	Enter year in YYYY format
s0	Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
i1	Enter day of month in dd format
s1	Enter hour, minutes, seconds as HH:MM:SS
end-time	(Optional) Show messages from logfile up to a given end-time
i2	(Optional) Enter year in YYYY format
s2	(Optional) Enter Month as Jan, Feb, Mar, ..., Oct, Nov, or Dec
i3	(Optional) Enter day of month in dd format
s3	(Optional) Enter hour, minutes, seconds as HH:MM:SS

Command Mode

- /exec

show logging loopback

show logging loopback

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
loopback	Show logging loopback configuration

Command Mode

- /exec

show logging module

show logging module

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
module	Show module(linecard) logging configuration

Command Mode

- /exec

show logging monitor

show logging monitor

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
monitor	Show monitor logging configuration

Command Mode

- /exec

show logging nvram

show logging nvram [[{ last <i0> }] [__readonly__ [<error>] [{ TABLE_nvram <log> }]]]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
nvram	Show NVRAM log
last	(Optional) Show last few lines of nvram log
i0	(Optional) Enter number of lines to display
__readonly__	(Optional)
error	(Optional) error message
TABLE_nvram	(Optional) nvram log prints
log	(Optional) single log line

Command Mode

- /exec

show logging onboard

show logging onboard [card-first-power-on | card-boot-history | <common_options> | endtime <s0> [{ <common_options> | error-stats [port <i0>] }] | error-stats [port1 <i1>] | module <module> [<common_options> | endtime1 <s1> [{ <common_options> | error-stats [port3 <i3>] }] | error-stats [port4 <i4>] | starttime <s2> [{ <common_options> | endtime2 <s3> [{ <common_options> | error-stats [port6 <i6>] }] | error-stats [port7 <i7>] }] | card-first-power-on | card-boot-history] | obfl-logs | starttime1 <s4> [{ <common_options> | endtime3 <s5> [{ <common_options> | error-stats [port8 <i8>] }] | error-stats [port9 <i9>] }] | credit-loss [module <module> [last <last_no> { minutes | hours | days }] | last <last_no> { minutes | hours | days }] | flow-control { pause-count [module <module> [last <last_no> { minutes | hours | days }] | last <last_no> { minutes | hours | days }] | pause-events [module <module> [last <last_no> { minutes | hours | days }] | last <last_no> { minutes | hours | days }] | request-timeout [module <module>] | timeout-drops [module <module> [port10 <i10> [last <last_no> { minutes | hours | days }] | last <last_no> { minutes | hours | days }] | last <last_no> { minutes | hours | days }] }]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
card-first-power-on	(Optional) show card first power on information
card-boot-history	(Optional) show card boot history
endtime	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s0	(Optional) End time format - mm/dd/yy-HH:MM:SS
error-stats	(Optional) Show OBFL error statistics
port	(Optional) Show OBFL error statistics for a port
i0	(Optional)
common_options	(Optional) give the options
port1	(Optional) Show OBFL error statistics for a port
i1	(Optional)
module	(Optional) Show OBFL information for Module
module	(Optional) Enter module number
endtime1	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s1	(Optional) End time format - mm/dd/yy-HH:MM:SS
port3	(Optional) Show OBFL error statistics for a port
i3	(Optional)

port4	(Optional) Show OBFL error statistics for a port
i4	(Optional)
starttime	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
s2	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s3	(Optional) End time format - mm/dd/yy-HH:MM:SS
port6	(Optional) Show OBFL error statistics for a port
i6	(Optional)
port7	(Optional) Show OBFL error statistics for a port
i7	(Optional)
starttime1	(Optional) Show OBFL logs from start time mm/dd/yy-HH:MM:SS
s4	(Optional) Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s5	(Optional) End time format - mm/dd/yy-HH:MM:SS
port8	(Optional) Show OBFL error statistics for a port
i8	(Optional)
port9	(Optional) Show OBFL error statistics for a port
i9	(Optional)
obfl-logs	(Optional) Show OBFL Tech Support Log.
timeout-drops	(Optional) Show OBFL Timeout Drops logs
port10	(Optional) Show OBFL statistics per port basis
i10	(Optional)
credit-loss	(Optional) Show OBFL Credit Loss logs
last	(Optional) Show last min/hour/day logs
last_no	(Optional) Duration in min/hrs/day
minutes	(Optional) entry in minutes
hours	(Optional) entry in hours
days	(Optional) entry in days
request-timeout	(Optional) Show OBFL request timeout log

flow-control	(Optional) Show OBFL Flow Control log
pause-count	(Optional) Show Flow Control Pause Count Logs
pause-events	(Optional) Show Flow Control Pause Event Logs

Command Mode

- /exec

show logging onboard

show logging onboard { counter-stats | endtime <s0> [{ counter-stats | internal { <dc3_options> } }] | internal { <dc3_options> } | module <module> { counter-stats | endtime1 <s1> [{ counter-stats | internal { <dc3_options> } }] | internal { <dc3_options> } | starttime <s2> [{ counter-stats | endtime2 <s3> [{ counter-stats | internal { <dc3_options> } }] | internal { <dc3_options> } }] | starttime1 <s4> [{ counter-stats | endtime3 <s5> [{ counter-stats | internal { <dc3_options> } }] | internal { <dc3_options> } }] }

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
counter-stats	Show OBFL counter statistics
endtime	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s0	End time format - mm/dd/yy-HH:MM:SS
internal	(Optional) Show Logging Onboard Internal
module	Show OBFL information for Module
module	Enter module number
endtime1	Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s1	End time format - mm/dd/yy-HH:MM:SS
starttime	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
s2	Start time format - mm/dd/yy-HH:MM:SS
endtime2	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s3	(Optional) End time format - mm/dd/yy-HH:MM:SS
starttime1	Show OBFL logs from start time mm/dd/yy-HH:MM:SS
s4	Start time format - mm/dd/yy-HH:MM:SS
endtime3	(Optional) Show OBFL logs till end time mm/dd/yy-HH:MM:SS
s5	(Optional) End time format - mm/dd/yy-HH:MM:SS
dc3_options	(Optional) dc3 options

Command Mode

- /exec

show logging onboard kernel-trace

show logging onboard kernel-trace

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
onboard	Show OBFL information
kernel-trace	Show OBFL Kernel Trace

Command Mode

- /exec

show logging origin-id

show logging origin-id

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
origin-id	Show logging origin id configuration

Command Mode

- /exec

show logging pending-diff

show logging pending-diff

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending-diff	server address pending configuration diff

Command Mode

- /exec

show logging pending

show logging pending

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
pending	server address pending configuration

Command Mode

- /exec

show logging rate-limit

show logging rate-limit

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
rate-limit	Show rate limit configuration

Command Mode

- /exec

show logging server

show logging server [__readonly__ [<noentry>] [{ TABLE_logserv <server> <forwarding> <severity> <facility> <vrf> <port> [<transport>] }]]

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
server	Show server logging configuration
__readonly__	(Optional)
noentry	(Optional) logging server not configured
TABLE_logserv	(Optional) output of show logging server
server	(Optional) remote server address
forwarding	(Optional) remote server forwarding
severity	(Optional) remote server severity
facility	(Optional) remote server facility
vrf	(Optional) remote server vrf
port	(Optional) remote server port
transport	(Optional) remote server transport

Command Mode

- /exec

show logging session status

show logging session status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
session	Show logging session status
status	Show logging session status

Command Mode

- /exec

show logging source-interface

show logging source-interface

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
source-interface	Show logging source-interface configuration

Command Mode

- /exec

show logging status

show logging status

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
status	Show logging status

Command Mode

- /exec

show logging timestamp

show logging timestamp

Syntax Description

show	Show running system information
logging	Show logging configuration and contents of logfile
timestamp	Show logging timestamp configuration

Command Mode

- /exec

show login on-failure log

show login on-failure log [__readonly__ [<status>]]

Syntax Description

show	show
login	login
on-failure	authentication failure
log	Log
__readonly__	(Optional)
status	(Optional) login on failure log enabled or disabled

Command Mode

- /exec

show login on-successful log

show login on-successful log [__readonly__ [<status>]]

Syntax Description

show	show
login	login
on-successful	authentication successful
log	Log
__readonly__	(Optional)
status	(Optional) login on successful log enabled or disabled

Command Mode

- /exec

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show mac-list

show mac-list { [<mac_list_name> [{ seq <seq_no> | { <mac_addr> [<mac_mask>] } }]] } [__readonly__ TABLE_mac_list <name> <seq> <action> <rule>]

Syntax Description

show	Show running system information
mac-list	Show mac-lists
mac_list_name	(Optional) Name of mac list
seq	(Optional) Sequence number
seq_no	(Optional) Sequence number
mac_addr	(Optional) MAC address
mac_mask	(Optional) MAC mask
__readonly__	(Optional)
TABLE_mac_list	(Optional)
name	(Optional)
seq	(Optional)
action	(Optional)
rule	(Optional)

Command Mode

- /exec

show mac address-table

show mac address-table <module> [count] [static | dynamic | secure] [{ [address1 <mac-addr> | { switch-id <swid> [sub-switch-id <sswid>] } | vlan1 <id> | [vdc1 <vdc> | <e-vdc>] | fe1 <feid>] + } | { [address <mac-addr> | interface <interface-name> | vlan <id> | [vdc <vdc> | <e-vdc>] | fe <feid>] + }] [hex] [__readonly__ <entrycount> <l2entry> <header> <pi_e> <age> <rm> <ifname> <sec> <ntfy> <type>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
module	Module Number
count	(Optional) Number of entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
address	(Optional) address
address1	(Optional) address
mac-addr	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
swid	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
sswid	(Optional) Sub Switch ID
interface	(Optional) Interface
interface-name	(Optional) Interface name
vlan	(Optional) VLAN
vlan1	(Optional) VLAN
id	(Optional) VLAN ID
vdc	(Optional) VDC ID or Name
vdc1	(Optional) VDC ID or Name
vdc	(Optional) VDC ID

e-vdc	(Optional) Select VDC ID that match VDC Name
fe	(Optional) Forwarding Engine Instance ID(Zero based)
fe1	(Optional) Forwarding Engine Instance ID(Zero based)
feid	(Optional) FE ID value
hex	(Optional) display swid/sswid/lid in hex
__readonly__	(Optional)
header	(Optional) Header
pi_e	(Optional) Primary Interface of EARL
age	(Optional) Last seen age in seconds
rm	(Optional) RM
ifname	(Optional) interface name as string
sec	(Optional) secure
ntfy	(Optional) notify
entrycount	(Optional) Number of L2 entries
l2entry	(Optional) L2 Entry String
type	(Optional) MAC type - Static or Dynamic

Command Mode

- /exec

show mac address-table

show mac address-table [static | dynamic | secure] [local] [{ [address1 <mac-addr> | { switch-id <swid> [sub-switch-id <sswid>] } | vlan1 <id>] + } | { [address <mac-addr> | interface <interface-name> | vlan <id>] + } | { [address2 <mac-addr> | interface1 <interface-name> | vni <vni-id> | peer-ip <peer-ipv4>] + } | { [address3 <mac-addr> | interface2 <interface-name> | vni1 <vni-id> | es { <esid-opt1> | <esid-opt2> | all }] + }] [__readonly__ [{ TABLE_mac_address <disp_mac_addr><disp_type><disp_vlan> [<disp_is_static>] <disp_age><disp_is_secure><disp_is_ntfy><disp_port> }]]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
address	(Optional) address
address1	(Optional) address
address2	(Optional) address
address3	(Optional) address
mac-addr	(Optional) MAC Address
switch-id	(Optional) Remote Switch ID
swid	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
sswid	(Optional) Sub Switch ID
interface	(Optional) Interface
interface1	(Optional) Interface
interface-name	(Optional) Interface name
interface2	(Optional) Interface
interface-name	(Optional) Interface name
vlan	(Optional) VLAN

vlan1	(Optional) VLAN
id	(Optional) VLAN ID
vni	(Optional) VXLAN Network Identifier
vni1	(Optional) VXLAN Network Identifier
vni-id	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
peer-ipv4	(Optional) VXLAN Peer IP Address
es	(Optional) EVPN Remote ESID
esid-opt1	(Optional) EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID Option 1
esid-opt2	(Optional) EEEE.EEEE.EEEE.EEEE.EEEE ESID Option 2
all	(Optional) all ESIs
__readonly__	(Optional)
TABLE_mac_address	(Optional) Mac address table
disp_is_static	(Optional) Static/Dynamic

Command Mode

- /exec

show mac address-table aging-time

show mac address-table aging-time [__readonly__ <age_str> <age>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
aging-time	Configured/default age
__readonly__	(Optional)
age_str	(Optional) Age info
age	(Optional) Age time

Command Mode

- /exec

show mac address-table count

show mac address-table count [static | dynamic | secure] [local] [{ [interface <interface-name> | { switch-id <swid> [sub-switch-id <sswid>] } | vlan <id>] + } | { [interface1 <interface-name> | vni <vni-id> | peer-ip <peer-ipv4>] + }] [__readonly__ TABLE-macaddtblcount [<id-out>] [<count_str>] [<total_cnt>] [<dyn_cnt>] [<otv_cnt>] [<static_cnt>] [<secure_cnt>]]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
static	(Optional) Display Static Entries
dynamic	(Optional) Display Dynamic Entries
secure	(Optional) Display Secure Entries
local	(Optional) Display MAC Entries Learned Locally and Not on the Overlay/VXLAN
vlan	(Optional) VLAN
id	(Optional) VLAN ID
interface	(Optional) Interface
interface1	(Optional) Interface
interface-name	(Optional) Interface name
switch-id	(Optional) Remote Switch ID
swid	(Optional) Switch ID
sub-switch-id	(Optional) Remote Sub Switch ID
sswid	(Optional) Sub Switch ID
vni	(Optional) VXLAN Network Identifier
vni-id	(Optional) VXLAN Network Identifier
peer-ip	(Optional) VXLAN Peer IP Address
peer-ipv4	(Optional) VXLAN Peer IP Address
__readonly__	(Optional)
TABLE-macaddtblcount	(Optional) MAC Address Dynamic Count Table

id-out	(Optional) MAC Address Table VLAN ID
count_str	(Optional) Count info
total_cnt	(Optional) Total count
dyn_cnt	(Optional) Dynamic count
otv_cnt	(Optional) OTV count
static_cnt	(Optional) Static count
secure_cnt	(Optional) Secure count

Command Mode

- /exec

show mac address-table count es

show mac address-table count es { <es-id> | <es-id2> | all }

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
count	Number of MAC entries
es	EVPN Remote ESID
es-id	EE:EE:EE:EE:EE:EE:EE:EE:EE:EE ESID
es-id2	EEEE.EEEE.EEEE.EEEE.EEEE ESID
all	all ESIs

Command Mode

- /exec

show mac address-table learning-mode

show mac address-table learning-mode [vlan <id>] [__readonly__ <learning_mode_str> <vlan_id> <mode_str>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
learning-mode	Learning Mode
vlan	(Optional) VLAN
id	(Optional) VLAN ID
__readonly__	(Optional)
learning_mode_str	(Optional) Learning Mode
vlan_id	(Optional) VLAN ID
mode_str	(Optional) Mode

Command Mode

- /exec

show mac address-table limit

show mac address-table limit [__readonly__ <limit_str> <limit>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
limit	Configured/default mac limit
__readonly__	(Optional)
limit_str	(Optional) Limit info
limit	(Optional) Mac limit

Command Mode

- /exec

show mac address-table loop-detect

show mac address-table loop-detect

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
loop-detect	Display Action for Mac Loop Detection

Command Mode

- /exec

show mac address-table multicast

show mac address-table multicast [vlan <vlan> | bridge-domain <bdid>] [__readonly__ [TABLE_vlan <vlan-id> [TABLE_mac <mac-addr> <type> [TABLE_oif <oifs>]]]]

Syntax Description

show	Show running system information
mac	MAC configuration commands
address-table	MAC Address Table
multicast	mcast mac OIF Static Entry
vlan	(Optional) VLAN
vlan	(Optional) VLAN
bridge-domain	(Optional) BD
bdid	(Optional) BD
__readonly__	(Optional)
TABLE_vlan	(Optional)
vlan-id	(Optional)
TABLE_mac	(Optional)
mac-addr	(Optional)
type	(Optional)
TABLE_oif	(Optional)
oifs	(Optional)

Command Mode

- /exec

show mac address-table notification mac-move

show mac address-table notification mac-move [__readonly__ TABLE_mac_notif <disp_mm_status> <disp_mm_triggers> <disp_macs_added> <disp_macs_moved> <disp_macs_removed>]

Syntax Description

show	show
mac	MAC configuration commands
address-table	MAC Address Table
notification	Display Notification Information
mac-move	Mac Move Notification
__readonly__	(Optional) Read Only
TABLE_mac_notif	(Optional) Mac address notification table
disp_mm_status	(Optional) Mac Move Status
disp_mm_triggers	(Optional) # of triggers
disp_macs_added	(Optional) Number of MACs added since system bring up
disp_macs_removed	(Optional) Number of MACs removed since system bring up
disp_macs_moved	(Optional) Number of MACs moved since system bring up

Command Mode

- /exec

show mac vdc

show mac vdc <vdc_id> [__readonly__ <vdc_id> <mac_address>]

Syntax Description

show	show
mac	show management port mac address of the given vdc
vdc	show management port mac address of this vdc id
vdc_id	please enter vdc id
__readonly__	(Optional)
vdc_id	(Optional)
mac_address	(Optional)

Command Mode

- /exec

show macsec mka

show macsec mka [summary] [__readonly__ { TABLE_mka_summary <ifname> <status> <cipher> <keyserver> <policy> <keychain> <fallback_keychain> }]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
summary	(Optional) Show MKA summary information
__readonly__	(Optional)
TABLE_mka_summary	(Optional)
ifname	(Optional) Interface
status	(Optional) MACSEC Session status
cipher	(Optional) Operational MACSEC Cipher-suite
keyserver	(Optional) Is this acting as interface key-server
policy	(Optional) MACSEC Policy applied to interface
keychain	(Optional) Keychain associated with interface
fallback_keychain	(Optional) Keychain associated with interface

Command Mode

- /exec

show macsec mka session

show macsec mka session [interface <ifname>] [details] [__readonly__ [TABLE_mka_session <ifname> <sci> <peers> <status> <keyserver><ca_auth_mode>] [<sessions> <active_sessions> <pending_sessions>] [TABLE_mka_session_details <ifname> <status> <sci> <ssci> <port_id> <ckn> <ca_auth_mode> <mi> <mn> <policy> <ks_prio> <keyserver> <cipher> <cipher_operational> <window> <conf_offset> <conf_offset_operational> <sak_status> <sak_an> <sak_ki> <sak_kn> <last_sak_rekey_time> <peer_count> [TABLE_mka_peer_status <peer_mi> <rxsci> <icv_status> <last_rx_time>] [TABLE_mka_fallback <fallback_ckn> <fallback_mi> <fallback_mn> [TABLE_mka_fallback_peer <fallback_peer_mi> <fallback_rxsci> <fallback_icv_status> <fallback_last_rx_time>]]]]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information
session	Show MKA session information
interface	(Optional) Specify interface
ifname	(Optional) Interface list
details	(Optional) Show MKA detailed information
__readonly__	(Optional)
TABLE_mka_session	(Optional)
ifname	(Optional) Interface
sci	(Optional) Interface local TxSCI
peers	(Optional) Number of Peers
status	(Optional) Macsec status of Interface
keyserver	(Optional) Interface keyserver
ca_auth_mode	(Optional) CA Authentication Mode
TABLE_mka_session_details	(Optional)
ifname	(Optional) Interface
status	(Optional) Session Status
sci	(Optional) Interface local TxSCI
ssci	(Optional) Interface local TxSSCI
port_id	(Optional) MKA Port Identifier

ckn	(Optional) CAK Name
mi	(Optional) Member Identifier
mn	(Optional) Message Number
policy	(Optional) MACSEC Policy
ks_prio	(Optional) Key-server Priority
cipher	(Optional) MKA Cipher Suite
cipher_operational	(Optional) MKA Cipher Suite Operational
window	(Optional) Replay Window Size
conf_offset	(Optional) Confidentiality Offset
conf_offset_operational	(Optional) Confidentiality Offset Operational
sak_status	(Optional) SAK Status
sak_an	(Optional) SAK AN
sak_ki	(Optional) SAK KI
sak_kn	(Optional) SAK KN
last_sak_rekey_time	(Optional) Last SAK rekey
peer_count	(Optional) Peer Count
TABLE_mka_peer_status	(Optional)
peer_mi	(Optional) Peer MI
rxsci	(Optional) RxSCI
icv_status	(Optional) Peer CAK
last_rx_time	(Optional) Latest Rx MKPDU
TABLE_mka_fallback	(Optional)
fallback_ckn	(Optional) Fallback CAK Name
fallback_mi	(Optional) Fallback Member Identifier
fallback_mn	(Optional) Fallback Message Number
TABLE_mka_fallback_peer	(Optional)
fallback_peer_mi	(Optional) Peer MI
fallback_rxsci	(Optional) RxSCI
fallback_icv_status	(Optional) Peer CAK

fallback_last_rx_time	(Optional) Latest Rx MKPDU
sessions	(Optional) Total number of Sessions
active_sessions	(Optional) Count of Active Sessions
pending_sessions	(Optional) Count of Pending Sessions

Command Mode

- /exec

show macsec mka statistics

show macsec mka statistics [interface <ifname>] [__readonly__ [TABLE_mka_intf_stats [[<ifname2>] [TABLE_ca_stats [[<ca_stat_ckn>] [<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>]]] [TABLE_idb_stats [[<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<idb_stat_mkpdu_tx_success>] [<idb_stat_mkpdu_tx_fail>] [<idb_stat_mkpdu_tx_pkt_build_fail>] [<idb_stat_mkpdu_no_tx_on_intf_down>] [<idb_stat_mkpdu_no_rx_on_intf_down>] [<idb_stat_mkpdu_rx_ca_notfound>] [<idb_stat_mkpdu_rx_error>] [<idb_stat_mkpdu_rx_success>] [<idb_stat_mkpdu_failure_rx_integrity_check_error>] [<idb_stat_mkpdu_failure_invalid_peer_mn_error>] [<idb_stat_mkpdu_failure_nonrecent_peerlist_mn_error>] [<idb_stat_mkpdu_failure_sakuse_kn_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_rx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_key_mi_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_an_not_in_use_error>] [<idb_stat_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_eapol_ethertype_mismatch_error>] [<idb_stat_sak_failure_sak_generate_error>] [<idb_stat_sak_failure_hash_generate_error>] [<idb_stat_sak_failure_sak_encryption_error>] [<idb_stat_sak_failure_sak_decryption_error>] [<idb_stat_sak_failure_ick_derivation_error>] [<idb_stat_sak_failure_kek_derivation_error>] [<idb_stat_sak_failure_invalid_macsec_capability_error>] [<idb_stat_macsec_failure_rx_sa_create_error>] [<idb_stat_macsec_failure_tx_sa_create_error>]]]] [TABLE_mka_gbl_stats [[<session_secured>] [<session_deleted>] [<session_keepalive_timeout>] [<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mka_error_session_failure_bring_up_error>] [<mka_error_sak_failure_sak_generate_error>] [<mka_error_sak_failure_hash_generate_error>] [<mka_error_sak_failure_sak_encryption_error>] [<mka_error_sak_failure_sak_decryption_error>] [<mka_error_sak_failure_sak_cipher_mismatch_error>] [<mka_error_ca_failure_ick_derivation_error>] [<mka_error_ca_failure_kek_derivation_error>] [<mka_error_ca_failure_invalid_macsec_capability_error>] [<mka_error_macsec_failure_rx_sa_create_error>] [<mka_error_macsec_failure_tx_sa_create_error>] [<mka_error_mkpdu_failure_mkpdu_tx_error>] [<mka_error_mkpdu_failure_mkpdu_rx_integrity_check_error>] [<mka_error_mkpdu_failure_mkpdu_invalid_peer_mn_error>] [<mka_error_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_error>] [<mka_error_mkpdu_failure_sakuse_kn_mismatch_error>] [<mka_error_mkpdu_failure_sakuse_rx_not_set_error>] [<mka_error_mkpdu_failure_sakuse_key_mi_mismatch_error>] [<mka_error_mkpdu_failure_sakuse_an_not_in_use_error>] [<mka_error_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<global_stats_mkpdu_rx_invalid_ckn>] [<global_stats_mkpdu_tx_pkt_build_fail>]]]]]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
mka	Show MKA information

statistics	Show MKA statistics
interface	(Optional) Specify interface
ifname	(Optional) Interface list
__readonly__	(Optional)
TABLE_mka_intf_stats	(Optional) MKA Interface statistics
TABLE_ca_stats	(Optional) CA Statistics
ca_stat_ckn	(Optional) CA Statistics CKN
ca_stat_pairwise_cak_rekey	(Optional) CA Statistics Pairwise CAK Rekey
sa_stat_sak_generated	(Optional) SA Statistics SAK generated
sa_stat_sak_rekey	(Optional) SA Statistics SAK rekey
sa_stat_sak_received	(Optional) SA Statistics SAK received
sa_stat_sak_response_rx	(Optional) SA Statistics SAK response received
mkpdu_stat_mkpdu_tx	(Optional) MKPDU Statistics MKPDU Tx
mkpdu_stat_mkpdu_tx_distsak	(Optional) MKPDU Statistics MKPDU Tx distributed SAK
mkpdu_stat_mkpdu_rx	(Optional) MKPDU Statistics MKPDU Rx
mkpdu_stat_mkpdu_rx_distsak	(Optional) MKPDU Statistics MKPDU Rx distributed SAK
TABLE_idb_stats	(Optional) IDB Statistics
ca_stat_pairwise_cak_rekey	(Optional) CA Statistics pairwise CAK rekey
sa_stat_sak_generated	(Optional) SA Statistics SAK generated
sa_stat_sak_rekey	(Optional) SA Statistics SAK rekey
sa_stat_sak_received	(Optional) SA Statistics SAK received
sa_stat_sak_response_rx	(Optional) SA Statistics SAK response received
mkpdu_stat_mkpdu_tx	(Optional) MKPDU Statistics MKPDU Tx
mkpdu_stat_mkpdu_tx_distsak	(Optional) MKPDU Statistics MKPDU Tx distributed SAK
mkpdu_stat_mkpdu_rx	(Optional) MKPDU Statistics MKPDU Rx
mkpdu_stat_mkpdu_rx_distsak	(Optional) MKPDU Statistics MKPDU Rx distributed SAK
idb_stat_mkpdu_tx_success	(Optional) IDB Statistics MKPDU Tx success
idb_stat_mkpdu_tx_fail	(Optional) IDB Statistics MKPDU Tx fail
idb_stat_mkpdu_tx_pkt_build_fail	(Optional) IDB Statistics MKPDU Tx packet build fail

idb_stat_mkpdu_no_tx_on_intf_down	(Optional) IDB Statistics MKPDU no Tx on interface down
idb_stat_mkpdu_no_rx_on_intf_down	(Optional) IDB Statistics MKPDU no Rx on interface down
idb_stat_mkpdu_rx_ca_notfound	(Optional) IDB Statistics MKPDU Rx CA not found
idb_stat_mkpdu_rx_error	(Optional) IDB Statistics MKPDU Rx error
idb_stat_mkpdu_rx_success	(Optional) IDB Statistics MKPDU Rx success
idb_stat_mkpdu_failure_rx_integrity_check_error	(Optional) IDB Statistics - MKPDU failure - Rx integrity check error
idb_stat_mkpdu_failure_invalid_peer_mn_error	(Optional) IDB Statistics - MKPDU failure - invalid peer MN error
idb_stat_mkpdu_failure_nonrecent_peerlist_mn_error	(Optional) IDB Statistics - MKPDU failure - non recent peerlist MN error
idb_stat_mkpdu_failure_sakuse_kn_mismatch_error	(Optional) IDB Statistics - MKPDU failure - SAKuse KN mismatch error
idb_stat_mkpdu_failure_sakuse_rx_not_set_error	(Optional) IDB Statistics - MKPDU failure - SAKuse Rx not set error
idb_stat_mkpdu_failure_sakuse_key_mi_mismatch_error	(Optional) IDB Statistics - MKPDU failure - SAKuse key MI mismatch error
idb_stat_mkpdu_failure_sakuse_an_not_in_use_error	(Optional) IDB Statistics - MKPDU failure - SAKuse AN not in use error
idb_stat_mkpdu_failure_sakuse_ks_rx_tx_not_set_error	(Optional) IDB Statistics - MKPDU failure - SAKuse KS Rx Tx not set error
idb_stat_mkpdu_failure_sakuse_eapol_ethertype_mismatch_error	(Optional) IDB Statistics - MKPDU failure - SAKuse EAPOL ethertype mismatch error
idb_stat_sak_failure_sak_generate_error	(Optional) IDB Statistics - SAK failure - SAK generate error
idb_stat_sak_failure_hash_generate_error	(Optional) IDB Statistics - SAK failure - Hash generate error
idb_stat_sak_failure_sak_encryption_error	(Optional) IDB Statistics - SAK failure - SAK encryption error
idb_stat_sak_failure_sak_decryption_error	(Optional) IDB Statistics - SAK failure - SAK decryption error
idb_stat_sak_failure_ick_derivation_error	(Optional) IDB Statistics - SAK failure - ICK derivation error
idb_stat_sak_failure_kek_derivation_error	(Optional) IDB Statistics - SAK failure - KEK derivation error
idb_stat_sak_failure_invalid_macsec_capability_error	(Optional) IDB Statistics - SAK failure - invalid MACsec capability error
idb_stat_macsec_failure_rx_sa_create_error	(Optional) IDB Statistics - SAK failure - Rx SA create error
idb_stat_macsec_failure_tx_sa_create_error	(Optional) IDB Statistics - SAK failure - Tx SA create error
TABLE_mka_gbl_stats	(Optional) MKA Global Statistics
session_secured	(Optional) Session secured Events

session_deleted	(Optional) Session deleted Events
session_keepalive_timeout	(Optional) Session keepalive timeout Events
ca_stat_pairwise_cak_rekey	(Optional) CA Statistics pairwise CAK rekey
sa_stat_sak_generated	(Optional) SA Statistics SAK generated
sa_stat_sak_rekey	(Optional) SA Statistics SAK rekey
sa_stat_sak_received	(Optional) SA Statistics SAK received
sa_stat_sak_response_rx	(Optional) SA Statistics SAK response received
mkpdu_stat_mkpdu_rx	(Optional) MKPDU Statistics MKPDU received
mkpdu_stat_mkpdu_rx_distsak	(Optional) MKPDU Statistics MKPDU received distributed SAK
mkpdu_stat_mkpdu_tx	(Optional) MKPDU Statistics MKPDU transmitted
mkpdu_stat_mkpdu_tx_distsak	(Optional) MKPDU Statistics MKPDU transmitted distributed SAK
mka_error_session_failure_bring_up_error	(Optional) MKA Error - Session failure - Bring up error
mka_error_sak_failure_sak_generate_error	(Optional) MKA Error - SAK failure - SAK generate error
mka_error_sak_failure_hash_generate_error	(Optional) MKA Error - SAK failure - Hash generate error
mka_error_sak_failure_sak_encryption_error	(Optional) MKA Error - SAK failure - SAK encryption error
mka_error_sak_failure_sak_decryption_error	(Optional) MKA Error - SAK failure - SAK decryption error
mka_error_sak_failure_sak_cipher_mismatch_error	(Optional) MKA Error - SAK failure - SAK Cipher mismatch error
mka_error_ca_failure_ick_derivation_error	(Optional) MKA Error - CA failure - ICK derivation error
mka_error_ca_failure_kek_derivation_error	(Optional) MKA Error - CA failure - KEK derivation error
mka_error_ca_failure_invalid_macsec_capability_error	(Optional) MKA Error - CA failure - Invalid MACsec capability error
mka_error_macsec_failure_rx_sa_create_error	(Optional) MKA Error - MACsec failure - Rx SA create error
mka_error_macsec_failure_tx_sa_create_error	(Optional) MKA Error - MACsec failure - Tx SA create error
mka_error_mkpdu_failure_mkpdu_tx_error	(Optional) MKA Error - MKPDU failure - MKPDU Tx error
mka_error_mkpdu_failure_mkpdu_rx_integrity_check_error	(Optional) MKA Error - MKPDU failure - MKPDU Rx integrity check error
mka_error_mkpdu_failure_mkpdu_invalid_peer_mn_error	(Optional) MKA Error - MKPDU failure - invalid peer MN error
mka_error_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_error	(Optional) MKA Error - MKPDU failure - non recent peerlist MN error
mka_error_mkpdu_failure_sakuse_kn_mismatch_error	(Optional) MKA Error - MKPDU failure - SAKuse KN mismatch error
mka_error_mkpdu_failure_sakuse_rx_not_set_error	(Optional) MKA Error - MKPDU failure - SAKuse Rx not set error

mka_error_mkpdu_failure_sakuse_key_mi_mismatch_error	(Optional) MKA Error - MKPDU failure - SAKuse key MI mismatch error
mka_error_mkpdu_failure_sakuse_an_not_in_use_error	(Optional) MKA Error - MKPDU failure - SAKuse AN not in use error
mka_error_mkpdu_failure_sakuse_ks_rx_tx_not_set_error	(Optional) MKA Error - MKPDU failure - SAKuse KS Rx Tx not set error
global_stats_mkpdu_rx_invalid_ckn	(Optional) Global Statistics MKPDU received invalid CKN
global_stats_mkpdu_tx_pkt_build_fail	(Optional) Global Statistics Transmit Pkt build fail
ifname2	(Optional) MACSEC Interface Name

Command Mode

- /exec

show macsec policy

show macsec policy [<policy_name>] [__readonly__ { TABLE_macsec_policy <name> <cipher_suite> <keyserver_priority> <window_size> <conf_offset> <security_policy> <sak-expiry-time> }]

Syntax Description

show	Show running system information
macsec	Show MACSEC policy information
policy	Show MACSEC policy information
policy_name	(Optional) Name of MACSEC Policy
__readonly__	(Optional)
TABLE_macsec_policy	(Optional)
name	(Optional) MACSEC Policy Name
cipher_suite	(Optional) Cipher Suite
keyserver_priority	(Optional) KeyServer Priority
window_size	(Optional) Window Size
conf_offset	(Optional) Confidentiality Offset
security_policy	(Optional) Security Policy
sak-expiry-time	(Optional) SAK expiry on time interval

Command Mode

- /exec

show macsec secy statistics

show macsec secy statistics [interface <ifname>] [__readonly__ TABLE_statistics <ifname2> [<in_pkts_unicast_uncontrolled>] [<in_pkts_multicast_uncontrolled>] [<in_pkts_broadcast_uncontrolled>] [<in_rx_drop_pkts_uncontrolled>] [<in_rx_err_pkts_uncontrolled>] [<in_pkts_unicast_controlled>] [<in_pkts_multicast_controlled>] [<in_pkts_broadcast_controlled>] [<in_rx_drop_pkts_controlled>] [<in_rx_err_pkts_controlled>] [<in_octets_uncontrolled>] [<in_octets_controlled>] [<input_rate_uncontrolled_pps>] [<input_rate_uncontrolled_bps>] [<input_rate_controlled_pps>] [<input_rate_controlled_bps>] [<out_pkts_unicast_uncontrolled>] [<out_pkts_multicast_uncontrolled>] [<out_pkts_broadcast_uncontrolled>] [<out_rx_drop_pkts_uncontrolled>] [<out_rx_err_pkts_uncontrolled>] [<out_pkts_unicast_controlled>] [<out_pkts_multicast_controlled>] [<out_pkts_broadcast_controlled>] [<out_rx_drop_pkts_controlled>] [<out_rx_err_pkts_controlled>] [<out_octets_uncontrolled>] [<out_octets_controlled>] [<out_octets_common>] [<output_rate_uncontrolled_pps>] [<output_rate_uncontrolled_bps>] [<output_rate_controlled_pps>] [<output_rate_controlled_bps>] [<in_pkts_transform_error>] [<in_pkts_control>] [<in_pkts_untagged>] [<in_pkts_no_tag>] [<in_pkts_badtag>] [<in_pkts_no_sci>] [<in_pkts_unknown_sci>] [<in_pkts_tagged_ctrl>] [<out_pkts_transform_error>] [<out_pkts_control>] [<out_pkts_untagged>] [TABLE_rx_sa_an <rx_sa_an> [<in_pkts_unchecked>] [<in_pkts_delayed>] [<in_pkts_late>] [<in_pkts_ok>] [<in_pkts_invalid>] [<in_pkts_not_valid>] [<in_pkts_not_using_sa>] [<in_pkts_unused_sa>] [<in_octets_decrypted>] [<in_octets_validated>]] [TABLE_tx_sa_an <tx_sa_an> [<out_pkts_encrypted_protected>] [<out_pkts_too_long>] [<out_pkts_sa_not_inuse>] [<out_octets_encrypted_protected>]]]

Syntax Description

show	Show running system information
macsec	Show MACSEC information
secy	Show MACSEC secy entity information
statistics	Show MACSEC secy statistics
interface	(Optional) Specify interface
ifname	(Optional) Interface list
__readonly__	(Optional)
TABLE_statistics	(Optional) MACsec secy statistics
in_pkts_unicast_uncontrolled	(Optional) In Pkts Unicast Uncontrolled
in_pkts_multicast_uncontrolled	(Optional) In Pkts Multicast Uncontrolled
in_pkts_broadcast_uncontrolled	(Optional) In Pkts Broadcast Uncontrolled
in_rx_drop_pkts_uncontrolled	(Optional) In Rx Drop Pkts Uncontrolled
in_rx_err_pkts_uncontrolled	(Optional) In Rx Err Pkts Uncontrolled
in_pkts_unicast_controlled	(Optional) In Pkts Unicast Controlled
in_pkts_multicast_controlled	(Optional) In Pkts Multicast Controlled

in_pkts_broadcast_controlled	(Optional) In Pkts Broadcast Controlled
in_rx_drop_pkts_controlled	(Optional) In Rx Drop Pkts Controlled
in_rx_err_pkts_controlled	(Optional) In Rx Err Pkts Controlled
in_octets_uncontrolled	(Optional) In Octets Uncontrolled
in_octets_controlled	(Optional) In Octets Controlled
input_rate_uncontrolled_bps	(Optional) Input Rate Uncontrolled BPS
input_rate_uncontrolled_pps	(Optional) Input Rate Uncontrolled PPS
input_rate_controlled_bps	(Optional) Input Rate Controlled BPS
input_rate_controlled_pps	(Optional) Input Rate Controlled PPS
out_pkts_unicast_uncontrolled	(Optional) Out Pkts Unicast Uncontrolled
out_pkts_multicast_uncontrolled	(Optional) Out Pkts Multicast Uncontrolled
out_pkts_broadcast_uncontrolled	(Optional) Out Pkts Broadcast Uncontrolled
out_rx_drop_pkts_uncontrolled	(Optional) Out Rx Drop Pkts Uncontrolled
out_rx_err_pkts_uncontrolled	(Optional) Out Rx Err Pkts Uncontrolled
out_pkts_unicast_controlled	(Optional) Out Pkts Unicast Controlled
out_pkts_multicast_controlled	(Optional) Out Pkts Multicast Controlled
out_pkts_broadcast_controlled	(Optional) Out Pkts Broadcast Controlled
out_rx_drop_pkts_controlled	(Optional) Out Rx Drop Pkts Controlled
out_rx_err_pkts_controlled	(Optional) Out Rx Err Pkts Controlled
out_octets_uncontrolled	(Optional) Out Octets Uncontrolled
out_octets_controlled	(Optional) Out Ocets Controlled
out_octets_common	(Optional) Out Octets Common
output_rate_uncontrolled_bps	(Optional) Output Rate Uncontrolled BPS
output_rate_uncontrolled_pps	(Optional) Output Rate Uncontrolled PPS
output_rate_controlled_bps	(Optional) Output Rate Controlled BPS
output_rate_controlled_pps	(Optional) Output Rate Controlled PPS
in_pkts_transform_error	(Optional) In Pkts Transform Error
in_pkts_control	(Optional) In Pkts Control
in_pkts_untagged	(Optional) In Pkts Untagged

in_pkts_no_tag	(Optional) In Pkts No Tag
in_pkts_badtag	(Optional) In Pkts Bad Tag
in_pkts_no_sci	(Optional) In Pkts No SCI
in_pkts_unknown_sci	(Optional) In Pkts Unknown SCI
in_pkts_tagged_ctrl	(Optional) In Pkts Tagged Control
out_pkts_transform_error	(Optional) Out Pkts Transform Error
out_pkts_control	(Optional) Out Pkts Control
out_pkts_untagged	(Optional) Out Pkts Untagged
TABLE_rx_sa_an	(Optional) MACsec secy rx_sa_an statistics
rx_sa_an	(Optional) Rx SA AN
in_pkts_unchecked	(Optional) In Pkts Unchecked
in_pkts_delayed	(Optional) In Pkts Delayed
in_pkts_late	(Optional) In Pkts Late
in_pkts_ok	(Optional) In Pkts OK
in_pkts_invalid	(Optional) In Pkts Invalid
in_pkts_not_valid	(Optional) In Pkts not Valid
in_pkts_not_using_sa	(Optional) In Pkts not using SA
in_pkts_unused_sa	(Optional) In Pkts Unused SA
in_octets_decrypted	(Optional) In Octets Decrypted
in_octets_validated	(Optional) In Octets Validated
TABLE_tx_sa_an	(Optional) MACsec secy tx_sa_an statistics
tx_sa_an	(Optional) Tx SA AN
out_pkts_encrypted_protected	(Optional) Out Pkts Encrypted Protected
out_pkts_too_long	(Optional) Out Pkts too Long
out_pkts_sa_not_inuse	(Optional) Out Pkts SA not in use
out_octets_encrypted_protected	(Optional) Out octets Encrypted Protected
ifname2	(Optional) MACSEC Interface Name

Command Mode

- /exec

show maintenance maint-delay

show maintenance maint-delay [__readonly__ <delay>]

Syntax Description

show	Show running system information
maintenance	maintenance
maint-delay	maintenance mode CLI release delay value
__readonly__	(Optional)
delay	(Optional) delay value in seconds

Command Mode

- /exec

show maintenance on-reload reset-reasons

show maintenance on-reload reset-reasons [__readonly__ [TABLE_reset_reason <reset_reason>] <rr_bitmap>]

Syntax Description

show	Show running system information
maintenance	maintenance
on-reload	on reload maintenance mode configuration
reset-reasons	system reset reasons
__readonly__	(Optional)
TABLE_reset_reason	(Optional)
rr_bitmap	(Optional) reset reason bitmap
reset_reason	(Optional) system reset reason

Command Mode

- /exec

show maintenance profile

show maintenance profile [<mode>] [__readonly__ TABLE_profile <name> [TABLE_cfg <cfg>]]

Syntax Description

show	Show running system information
maintenance	maintenance
profile	maintenance profile
mode	(Optional)
__readonly__	(Optional)
TABLE_profile	(Optional)
name	(Optional) profile name
TABLE_cfg	(Optional)
cfg	(Optional) profile config

Command Mode

- /exec

show maintenance snapshot-delay

show maintenance snapshot-delay [__readonly__ <delay>]

Syntax Description

show	Show running system information
maintenance	maintenance
snapshot-delay	after_maintenance snapshot delay value
__readonly__	(Optional)
delay	(Optional) delay value in seconds

Command Mode

- /exec

show maintenance timeout

show maintenance timeout [__readonly__ <timeout>]

Syntax Description

show	Show running system information
maintenance	maintenance
timeout	timeout value
__readonly__	(Optional)
timeout	(Optional) timeout value

Command Mode

- /exec

show mcectest

show mcectest <arg> [__readonly__ <arg_resp>]

Syntax Description

mcectest	Show MCECTEST related information
arg	Enter your arguments
__readonly__	(Optional) Read Only
arg_resp	(Optional) Response

Command Mode

- /exec

show mcectest mcec interface

show mcectest mcec interface <if> [use-cache] [vdc-id] [_readonly_ <mcec_mode>]

Syntax Description

mcectest	Show MCECTEST related information
mcec	Show MCECM information
if	
use-cache	(Optional) Use cache
vdc-id	(Optional) VDC ID
readonly	(Optional)
mcec_mode	(Optional) MCEC port mode

Command Mode

- /exec

show mgmt-policy

show mgmt-policy { <policy-name> | all } [__readonly__ { TABLE_mgmt_policy { <mgt-pol-name> [<source-ip> <source-mask>] [<source-ip6>] [<src-port-rangestart> <src-port-range-end>] [<source-port>] [<dst-port-rangestart> <dest-port-range-end>] [<dest-port>] } }]

Syntax Description

show	Show running system information
mgmt-policy	PM Management policy
policy-name	Name of the policy
all	Show all policies
__readonly__	(Optional)
TABLE_mgmt_policy	(Optional) Management policy Details
mgt-pol-name	(Optional)
source-ip	(Optional)
source-mask	(Optional)
src-port-rangestart	(Optional)
src-port-range-end	(Optional)
source-port	(Optional)
dst-port-rangestart	(Optional)
dest-port-range-end	(Optional)
dest-port	(Optional)

Command Mode

- /exec

show module

show module [{ <module> } | { <s0> [<santa-cruz-range>] } | { fabric [<module>] }] [__readonly__ { TABLE_modinfo <modinf> <ports> <modtype> <model> <status> } [{ TABLE_modpwrinfo <modpwr> <pwrstat> <reason> }] { TABLE_modwwninfo <modwwn> <sw> <hw> <slottype> } [{ TABLE_modapplinfo <modappl> <desc> <applver> }] { TABLE_modmacinfo <modmac> <mac> <serialnum> } { TABLE_moddiaginfo <mod> <diagstatus> } [{ TABLE_xbarinfo <xbarinf> <xbarports> <xbartype> <xbarmodel> <xbarstatus> }] [{ TABLE_xbarpwrinfo <xbarpwr> <xbarpwrstat> <xbarreason> }] [{ TABLE_xbarwwninfo <xbarwwn> <xbarsw> <xbarhw> <xbarwwnstr> }] [{ TABLE_xbarmacinfo <xbarmac> <xbarmacaddr> <xbarserialnum> }]]

Syntax Description

show	Show running system information
module	Show module information
module	(Optional) Enter module number
s0	(Optional) Show xbar information
santa-cruz-range	(Optional) please enter the xbar number
fabric	(Optional) Show fabric information
__readonly__	(Optional)
TABLE_modinfo	(Optional) Show Module info
modinf	(Optional) Module
ports	(Optional) Num Ports
modtype	(Optional) Module Type
model	(Optional) Model
status	(Optional) Status
TABLE_modpwrinfo	(Optional) Mod Pwr Info
modpwr	(Optional) Module
pwrstat	(Optional) Power Status
reason	(Optional) Reason
TABLE_modwwninfo	(Optional) Mod WWN Info
modwwn	(Optional) Module
sw	(Optional) SW Ver
hw	(Optional) HW Ver

slottype	(Optional) Slot
TABLE_modapplinfo	(Optional) Mod Appl image info
modappl	(Optional) Module
desc	(Optional) Image desc
applver	(Optional) Version
TABLE_modmacinfo	(Optional) Mod MAC Info
modmac	(Optional) Module
mac	(Optional) MAC
serialnum	(Optional) Serial Num
TABLE_moddiaginfo	(Optional) Mod diag info
mod	(Optional) Module
diagstatus	(Optional) Diag status
TABLE_xbarinfo	(Optional) Show xbar info
xbarinf	(Optional) Module
xbarports	(Optional) Num Ports
xbartype	(Optional) Module Type
xbarmodel	(Optional) Model
xbarstatus	(Optional) Status
TABLE_xbarpwrinfo	(Optional) Xbar Pwr Info
xbarpwr	(Optional) Module
xbarpwrstat	(Optional) Power Status
xbarreason	(Optional) Reason
TABLE_xbarwwninfo	(Optional) Xbar WWN Info
xbarwwn	(Optional) Module
xbarsw	(Optional) SW Ver
xbarhw	(Optional) HW Ver
xbarwwnstr	(Optional) WWN
TABLE_xbarmacinfo	(Optional) Xbar MAC Info
xbarmac	(Optional) Module

xbarmacaddr	(Optional) MAC
xbarserialnum	(Optional) Serial Num

Command Mode

- /exec

show module bandwidth-fairness

show module <module> bandwidth-fairness [__readonly__ { TABLE_fairness <statement> }]

Syntax Description

show	Show running system information
module	Show module information
module	Enter module number
bandwidth-fairness	Show bandwidth fairness status
__readonly__	(Optional)
TABLE_fairness	(Optional)
statement	(Optional)

Command Mode

- /exec

show module supported

show module supported

Syntax Description

show	Show running system information
module	Show module information
supported	Show supported sw-card-types for this chassis

Command Mode

- /exec

show module uptime

show module uptime [__readonly__ { TABLE_uptimeinf <slot> <starttime> <daysup> <hoursup> <minutesup> <secondsup> }]

Syntax Description

show	Show running system information
module	Show module information
uptime	Show how long the module has been up and running
__readonly__	(Optional)
TABLE_uptimeinf	(Optional) Show uptime info
slot	(Optional) Slot
starttime	(Optional) Start Time
daysup	(Optional) Days Up
hoursup	(Optional) Hours Up
minutesup	(Optional) Minutes Up
secondsup	(Optional) Seconds Up

Command Mode

- /exec

show monitor

show monitor [__readonly__ TABLE_session <session_number> <state> <state_reason> <description>]

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
__readonly__	(Optional) Read only
TABLE_session	(Optional) show monitor
session_number	(Optional) session id
state	(Optional) State
state_reason	(Optional) State reason
description	(Optional) Session Description

Command Mode

- /exec

show monitor session

show monitor session { all | <session_number> | warp | range <session_range> } [brief] [__readonly__ [TABLE_session <session_number> [<description>] [<type>] [<version>] [<state>] [<state_reason>] [<err_desc>] [<flow_id>] [<switch_id>] [<erspan_granularity>] [<vrf_name>] [<acl_name>] [<erspan_ttl>] [<erspan_dscp>] [<header_type>] [<span_mtu>] [<span_sampling>] [<ip_filter>] + [<dst_ip>] [<origin_ip>] [<src_ip>] [<control_pkt_filter>] [TABLE_sources_rx [<sources_rx>]] [TABLE_sources_tx [<sources_tx>]] [TABLE_sources_both [<sources_both>]] [<source_vlans_rx>] [<source_vlans_tx>] [<source_vlans_both>] [<source_vsans_rx>] [<tree-id> <switchid>] + [<filter_vlans>] [<destinations>] + [<acl_destinations>] + [<rate_limit_cap>] + [<mtu_capability>] + [<sampling_capability>] + [<mcbe>] + [<l3_egress_span>] + [<erspan_acl>] + [<erspan_v3_cap>] + [<erspan_v2_cap>] + [<erspan_gran_cap>] + [<fex_ingress_intf>] + [<sources_rx_2>] + [<marker_time_intv>] [<marker_pkt_count>] [<marker_pkt_fail>] [<erspan_egress_if>]]]

Syntax Description

show	Show running system information
monitor	Show Ethernet SPAN information
session	Show session info
all	All sessions
session_number	
warp	warp session
range	Specify a range
session_range	
brief	(Optional) Brief information
__readonly__	(Optional) Read only
TABLE_session	(Optional) show monitor
session_number	(Optional) session number
description	(Optional) Session Description
type	(Optional) Session type
version	(Optional) Erspan source version: v2/v3
state	(Optional) State
state_reason	(Optional) State reason
err_desc	(Optional) Error Description
flow_id	(Optional) erspan-id

switch_id	(Optional) erspan_switch-id
erspan_granularity	(Optional) ERSPAN Type III Granularity
vrf_name	(Optional) ERSPAN session VRF
acl_name	(Optional) ERSPAN session ACL
erspan_ttl	(Optional) ERSPAN TTL Value
erspan_dscp	(Optional) ERSPAN DSCP Value
header_type	(Optional) ERSPAN Header Type
span_mtu	(Optional) SPAN MTU value
span_sampling	(Optional) SPAN sampling range
ip_filter	(Optional) IP filter value
dst_ip	(Optional) ERSPAN destination IP
origin_ip	(Optional) ERSPAN origin IP at source router
src_ip	(Optional) ERSPAN source IP
control_pkt_filter	(Optional) Control packet filter value
TABLE_sources_rx	(Optional) ingress intf table
sources_rx	(Optional) List of ingress sources
TABLE_sources_tx	(Optional) egress intf table
sources_tx	(Optional) List of egress sources
TABLE_sources_both	(Optional) bi-direction intf table
sources_both	(Optional) List of sources in both directions
source_vlans_rx	(Optional) Source ingress vlan
source_vsans_rx	(Optional) Source ingress vsan
source_vlans_tx	(Optional) Source egress vlan
source_vlans_both	(Optional) Source vlans in both directions
tree-id	(Optional) proxy layer2 gateway source tree-id
switchid	(Optional) proxy layer2 gateway source switchid
filter_vlans	(Optional) Filter vlans
destinations	(Optional) List of destinations
acl_destinations	(Optional) List of interfaces that wont work for acl capture

rate_limit_cap	(Optional) List of modules that support Rate Limit
mtu_capability	(Optional) List of modules that support MTU
sampling_capability	(Optional) List of modules that support Sampling
mcbe	(Optional) List all modules that support multicast best effort
l3_egress_span	(Optional) List of modules that support L3 Multicast Egress SPAN
erspan_acl	(Optional) List of modules that support ERSPAN ACL filtering
erspan_v3_cap	(Optional) List of modules that support erspan version3
erspan_v2_cap	(Optional) List of modules that support erspan version2
erspan_gran_cap	(Optional) List of modules that support the granularity set
fex_ingress_intf	(Optional) List of fex interfaces that wont work for ingress span
erspan_egress_if	(Optional) Egress interface for ERSPAN SRC session
sources_rx_2	(Optional) List of ingress sources
marker_time_intv	(Optional) Marker packet interval
marker_pkt_count	(Optional) Marker packet count
marker_pkt_fail	(Optional) Marker packet fail count

Command Mode

- /exec

show mpls forwarding statistics

show mpls forwarding statistics [interface { <interface> | all }] [__readonly__ { TABLE_mpls_stats [<intf_name>] <mpls_packets_sent> <mpls_bytes_sent> <mpls_packets_received> <mpls_bytes_received> <mpls_packets_forwarded> <mpls_bytes_forwarded> <mpls_packets_originated> <mpls_bytes_originated> <mpls_packets_consumed> <mpls_bytes_consumed> <mpls_packets_input_dropped> <mpls_bytes_input_dropped> <mpls_packets_output_dropped> <mpls_bytes_output_dropped> }]

Syntax Description

show	Show running system information
mpls	MPLS information
forwarding	Display MPLS software forwarded
statistics	Traffic statistics
interface	(Optional) Interface specific information
interface	(Optional) Interface chosen to display statistics
all	(Optional) All interfaces
__readonly__	(Optional)
TABLE_mpls_stats	(Optional) MPLS forwarding statistics
intf_name	(Optional) Interace name
mpls_packets_sent	(Optional) mpls packet sent
mpls_bytes_sent	(Optional) mpls bytes sent
mpls_packets_received	(Optional) mpls packet received
mpls_bytes_received	(Optional) mpls bytes received
mpls_packets_forwarded	(Optional) mpls packet forwarded
mpls_bytes_forwarded	(Optional) mpls bytes forwarded
mpls_packets_originated	(Optional) mpls packet originated
mpls_bytes_originated	(Optional) mpls bytes originated
mpls_packets_consumed	(Optional) mpls packet consumed
mpls_bytes_consumed	(Optional) mpls bytes consumed
mpls_packets_input_dropped	(Optional) mpls packet input dropped
mpls_bytes_input_dropped	(Optional) mpls bytes input dropped
mpls_packets_output_dropped	(Optional) mpls packet output dropped

mpls_bytes_output_dropped	(Optional) mpls bytes output dropped

Command Mode

- /exec

show mpls interfaces

show mpls interfaces [__readonly__ TABLE_mpls_interface <intf> <oper>]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Display MPLS Interfaces
__readonly__	(Optional)
TABLE_mpls_interface	(Optional)
intf	(Optional)
oper	(Optional)

Command Mode

- /exec

show mpls interfaces detail

show mpls interfaces detail [__readonly__ TABLE_mpls_interface_det <intf> <client_name> <oper_str> <ls_id> <mpls_sublayer_name> <mpls_sublayer_id>]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
detail	Detail
__readonly__	(Optional)
TABLE_mpls_interface_det	(Optional)
intf	(Optional)
client_name	(Optional)
oper_str	(Optional)
ls_id	(Optional)
mpls_sublayer_name	(Optional)
mpls_sublayer_id	(Optional)

Command Mode

- /exec

show mpls interfaces statistics

show mpls interfaces <ifname> statistics [__readonly__ TABLE_mpls_interface_stats <intf> <enabled> [<pkts_in>] [<bytes_in>] [<pkts_out>] [<bytes_out>]]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
interfaces	Interfaces
ifname	Interface Name
statistics	statistics
__readonly__	(Optional)
TABLE_mpls_interface_stats	(Optional)
intf	(Optional)
enabled	(Optional)
pkts_in	(Optional)
bytes_in	(Optional)
pkts_out	(Optional)
bytes_out	(Optional)

Command Mode

- /exec

show mpls ip bindings

show mpls ip bindings [vrf { <vrf-name> | <vrf-known-name> | all }] [generic] [{ <prefix> { <mask> | <mask-length> } | <prefix-mask> } [longer-prefix]] [neighbor <addr> | local] [[local-label <local-label> [local-to <local-label-max>]] | [remote-label <remote-label> [remote-to <remote-label-max>]]] [advertisement-prefix-list | detail] [__readonly__ { TABLE_bnd [<ldp_ctx>] [<llaf>] [{ TABLE_bnd_acl_list <oldstyle> <prefix_acl> <peer_acl> }] [{ TABLE_bnd_rec <lib_addr> <lib_mask> [<lcl_bnd_rev>] [<no_route>] [<chkpt>] [<local_label>] [<withdraw>] [{ TABLE_bnd_peer_list <peer_ident> }] [<remote_label>] [<remote_lsr>] [<rem_lbl_in_use>] [<stale_gr>] [<advert_acl_pending>] [<peer_acl>] [<prefix_acl>] }] }]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
vrf	(Optional) VRF Routing/Forwarding instance information
vrf-name	(Optional) VPN Routing/Forwarding instance name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display LIB information in all VRFs
generic	(Optional) Display generic labels
prefix	(Optional) Destination prefix
mask	(Optional) Destination prefix mask
mask-length	(Optional) Mask length
prefix-mask	(Optional) Destination prefix/mask
longer-prefix	(Optional) Include longer matches
neighbor	(Optional) Display labels from LDP neighbor
addr	(Optional) IP adjacency address
local	(Optional) Display only locally assigned labels
local-label	(Optional) Match locally assigned label values
local-label	(Optional) Locally assigned label value
local-to	(Optional) Label range
local-label-max	(Optional) Locally assigned label value

remote-label	(Optional) Match remotely assigned label values
remote-label	(Optional) Remotely assigned label value
remote-to	(Optional) Label range
remote-label-max	(Optional) Remotely assigned label value
advertisement-prefix-list	(Optional) Show advertisement prefix lists
detail	(Optional) Show detailed information
__readonly__	(Optional) Read Only
TABLE_bnd	(Optional) Show bindings or tib summary for a vrf
ldp_ctx	(Optional) LDP context
llaf	(Optional) Local label filtering spec
TABLE_bnd_acl_list	(Optional) Show advertisement access lists for default vrf
oldstyle	(Optional) Oldstyle assignment of prefix acls to entries
prefix_acl	(Optional) Prefix acl
peer_acl	(Optional) Peer acl
TABLE_bnd_rec	(Optional) Show bindings in a vrf
lib_addr	(Optional) LIB entry IP address
lib_mask	(Optional) LIB entry mask
lcl_bnd_rev	(Optional) Local binding revision for lib entry
no_route	(Optional) Displays if no route present for lib entry
chkpt	(Optional) Checkpoint state for lib entry
local_label	(Optional) Local label
withdraw	(Optional) Displays if label withdrawn or label withdraw sent
remote_lsr	(Optional) Remote binding label switched route for lib entry
remote_label	(Optional) Remote label for lib entry
rem_lbl_in_use	(Optional) Displays if out label is in use
stale_gr	(Optional) Displays if stale GR binding for lib entry
advert_acl_pending	(Optional) Displays if advert acl action pending for lib entry
peer_acl	(Optional) Advertisement acl: Peer acl name for lib entry
prefix_acl	(Optional) Advertisement acl: Prefix acl name for lib entry

TABLE_bnd_peer_list	(Optional) Show list of peers to which local label has been advertised
peer_ident	(Optional) Peer to which local label has been advertised

Command Mode

- /exec

show mpls ip bindings summary

show mpls ip bindings summary [__readonly__ { TABLE_bnd [<total_prefixes>] [<assigned_bindings>] [<local_bindings>] [<rem_bindings>] [<total_rt_info>] [<current_prev_lbl_entries>] [<total_prev_lbl_entries>] [<current_prev_lbl_queues>] [<total_prev_lbl_queues>] }]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	MPLS IP information
bindings	Show the MPLS IP Label Information Base (LIB)
summary	Show summary information
__readonly__	(Optional) Read Only
TABLE_bnd	(Optional) Show bindings or tib summary for a vrf
total_prefixes	(Optional) Total number of prefixes
assigned_bindings	(Optional) Total number of assigned bindings
total_rt_info	(Optional) Total tib route info alloced
local_bindings	(Optional) Total number of locally assigned bindings
rem_bindings	(Optional) Total number of remote bindings
current_prev_lbl_entries	(Optional) Current number of previous tib remote label entries allocated
total_prev_lbl_entries	(Optional) Total number of previous tib remote label entries allocated
current_prev_lbl_queues	(Optional) Current number of previous tib remote label queues allocated
total_prev_lbl_queues	(Optional) Total number of previous tib remote label queues allocated

Command Mode

- /exec

show mpls ip ttl

show mpls ip ttl [__readonly__ TABLE_mpls_ip_ttl <prop_or_exp> [<forwarded>] [<local>] [<exp_count>]]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
ip	Display IP information
ttl	TTL related information
__readonly__	(Optional)
TABLE_mpls_ip_ttl	(Optional)
prop_or_exp	(Optional)
forwarded	(Optional)
local	(Optional)
exp_count	(Optional)

Command Mode

- /exec

show mpls label range

show mpls label range [__readonly__ <dynamic-min> <dynamic-max> [<static-min> <static-max>] [<srgb-min> <srgb-max>]]

Syntax Description

show	Show running system information
mpls	MPLS configuration commands
label	Label properties
range	Label range
__readonly__	(Optional)
dynamic-min	(Optional)
dynamic-max	(Optional)
static-min	(Optional)
static-max	(Optional)
srgb-min	(Optional)
srgb-max	(Optional)

Command Mode

- /exec

show mpls label statistics

show mpls label statistics <label>

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
label	Show a specific label statistics
statistics	Statistics for the label
label	Label

Command Mode

- /exec

show mpls oam echo statistics

show mpls oam echo statistics [summary] [__readonly__ <rq_sent> <rq_timeout> <rq_unsent> <rq_rcvd> <rx_sent> <rx_unsent> <rx_rcvd> <rc_zero> <rc_one> <rc_two> <rc_three> <rc_four> <rc_five> <rc_six> <rc_seven> <rc_eight> <rc_nine> <rc_ten> <rc_eleven> <rc_twelve> <rc_thirteen> <rc_fourteen> <summary_flag>]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
oam	Display OAM information
echo	Echo request information
statistics	Detailed Echo packet statistics
summary	(Optional) Echo packet statistics summary
__readonly__	(Optional)
rq_sent	(Optional) Requests sent
rq_timeout	(Optional) Requests timeout
rq_unsent	(Optional) Requests unsent
rq_rcvd	(Optional) Requests received
rx_sent	(Optional) Replies sent
rx_unsent	(Optional) Replies unsent
rx_rcvd	(Optional) Replies received
rc_zero	(Optional) Return code zero
rc_one	(Optional) Return code one
rc_two	(Optional) Return code two
rc_three	(Optional) Return code three
rc_four	(Optional) Return code four
rc_five	(Optional) Return code five
rc_six	(Optional) Return code six
rc_seven	(Optional) Return code seven
rc_eight	(Optional) Return code eight

rc_nine	(Optional) Return code nine
rc_ten	(Optional) Return code ten
rc_eleven	(Optional) Return code eleven
rc_twelve	(Optional) Return code twelve
rc_thirteen	(Optional) Return code thirteen
rc_fourteen	(Optional) Return code fourteen
summary_flag	(Optional) Summary flag

Command Mode

- /exec

show mpls static binding

show mpls static binding [ipv4] [vrf { <vrf-name> | <vrf-known-name> }] [<prefix> { <mask> | <mask-length> } | <prefix-mask>] [local | remote] [nexthop <addr>] [__readonly__ { TABLE_slb [<slb_prefix> <slb_mask>] <slb_vrf> <slb_inlabel> [{ TABLE_slb_outlbl_list <slb_nhop> <slb_outlabel> }] }]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	(Optional) Show ipv4 static label bindings
vrf	(Optional) VRF Routing/Forwarding instance information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
prefix	(Optional) Destination prefix
mask	(Optional) Destination prefix mask
mask-length	(Optional) Mask length
prefix-mask	(Optional) Destination prefix/mask
local	(Optional) Incoming (local) static label bindings
remote	(Optional) Outgoing (remote) static label bindings
nexthop	(Optional) Next hop address
addr	(Optional) Next hop address
__readonly__	(Optional) Read Only
TABLE_slb	(Optional) Show static label bindings for a given prefix
slb_prefix	(Optional) Prefix
slb_mask	(Optional) Mask bits
slb_vrf	(Optional) VRF name for prefix
slb_inlabel	(Optional) Incoming label for prefix
TABLE_slb_outlbl_list	(Optional) Show static outgoing labels for prefix

slb_nhop	(Optional) Next-hop address
slb_outlabel	(Optional) Outgoing label for next-hop address

Command Mode

- /exec

show mpls static binding

show mpls static binding [vrf { <vrf-name> | <vrf-known-name> }] { { ipv4 [<prefix> { <mask> | <mask-length> } | <prefix-mask>] [local | remote] [nexthop <addr>] [inconsistency] [lsp <slb_name>] } | { ipv6 [<ipv6-prefix>] [local | remote] [ipv6-nexthop <ipv6-addr>] [inconsistency] } | all [inconsistency] } [__readonly__ [TABLE_slb [<slb_name>] [<slb_prefix>] [<slb_mask>] <slb_vrf> <slb_inlabel> [<slb_type>] [TABLE_slb_outlbl_list [<slb_nh_path_num>] <slb_nhop> <slb_outlabel>] [<inconsistency_reason>]]]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	Show ipv4 static label bindings
ipv6	Show ipv6 static label bindings
all	Show all static label bindings
vrf	(Optional) VRF Routing/Forwarding instance information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
local	(Optional) Incoming (local) static label bindings
remote	(Optional) Outgoing (remote) static label bindings
inconsistency	(Optional) Inconsistent bindings between config and URIB
prefix	(Optional) Destination ipv4 prefix
mask	(Optional) Destination ipv4 prefix mask
mask-length	(Optional) Ipv4 mask length
prefix-mask	(Optional) Destination prefix/mask
nexthop	(Optional) Ipv4 next hop address
addr	(Optional) Ipv4 Next hop address
ipv6-nexthop	(Optional) Ipv6 next hop address
lsp	(Optional) LSP Name
__readonly__	(Optional) Read Only

TABLE_slb	(Optional) Show static label bindings for a given prefix
slb_name	(Optional) Name
slb_prefix	(Optional) Prefix
slb_type	(Optional) SLB Type
slb_mask	(Optional) Mask bits
slb_vrf	(Optional) VRF name for prefix
slb_inlabel	(Optional) Incoming label for prefix
TABLE_slb_outlbl_list	(Optional) Show static outgoing labels for prefix
slb_nhop	(Optional) Next-hop address
slb_nh_path_num	(Optional) Identifier for outgoing nexthop
slb_outlabel	(Optional) Outgoing label for next-hop address
inconsistency_reason	(Optional) Reason for inconsistency

Command Mode

- /exec

show mpls static binding vrf per-vrf

show mpls static binding [ipv4] vrf { <vrf-name> | <vrf-known-name> } per-vrf [__readonly__ { TABLE_slb_per_vrf <slb_vrf_per_vrf> <slb_inlabel_per_vrf> }]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Show MPLS static information
binding	Show static label bindings
ipv4	(Optional) Show ipv4 static label bindings
vrf	VRF Routing/Forwarding instance information
vrf-name	VRF name
vrf-known-name	Known VRF name
per-vrf	per-vrf static label bindings
__readonly__	(Optional) Read Only
TABLE_slb_per_vrf	(Optional) Show static label bindings for per-vrf deaggregation
slb_vrf_per_vrf	(Optional) VRF name
slb_inlabel_per_vrf	(Optional) Incoming label

Command Mode

- /exec

show mpls static trace

show mpls static trace { error | warning | event } [size]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
static	Static Label Bindings
trace	MPLS static trace
error	MPLS static error trace
warning	MPLS static warning trace
event	MPLS static event trace
size	(Optional) trace buffer size in Kbytes

Command Mode

- /exec

show mpls strip labels

show mpls strip labels [all | static | dynamic | <label_val>] [__readonly__ <disp_summary> TABLE_labels <disp_label> <disp_age> <disp_interface> <disp_pkt_cnt> <disp_stats> <disp_static>]

Syntax Description

show	Show running system information
mpls	Configure MPLS settings
strip	Stripping of MPLS headers
labels	labels added in the system
all	(Optional) all labels [default]
static	(Optional) labels programmed using cli
dynamic	(Optional) dynamically learned
label_val	(Optional) Label to show
__readonly__	(Optional) Read Only
TABLE_labels	(Optional) MPLS Strip Labels Tables
disp_label	(Optional) Label
disp_age	(Optional) Age
disp_interface	(Optional) Interface
disp_pkt_cnt	(Optional) Packet Count
disp_stats	(Optional) Statistics
disp_static	(Optional) Static
disp_summary	(Optional) Summary

Command Mode

- /exec

show mpls switching

show mpls switching [labels <label> [<max-label>] | interface <intf> | { <ip-addr> | <ipv4-prefix> } [vrf { <vrf-name> | <vrf-known-name> | all }] | <ipv6-prefix> [vrf { <vrf-name> | <vrf-known-name> | all }] | traffic-eng srpath [<srte-path-id>] | aggregate [ipv4 | ipv6] [vrf { <vrf-name> | <vrf-known-name> | all }] | { fec { ipv4_prefix [vrf { <vrf-name> | <vrf-known-name> | all }] | ipv6_prefix [vrf { <vrf-name> | <vrf-known-name> | all }] | deagg [vrf { <vrf-name> | <vrf-known-name> | all | ias_vpnv4 | ias_vpnv6 }] } } | { summary }] [detail] [private] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [[TABLE_vrf [<vrf_name>] [[TABLE_inlabel <in_label> [{ <out_label_stack> + } { <ipv4_prefix> | <ipv6_prefix> } <out_interface> { <ipv4_next_hop> | <ipv6_next_hop> }] [<deagg_vrf> [<deagg_af>]] [{ <tunnel_v4_mid_source> | <tunnel_v6_mid_source> } <tunnel_id> { <ext_v4_tunnel_id> | <ext_v6_tunnel_id> } <tunnel_instance> <tunnel_head>] [<nhlfe_p2p_flag>] [<nhlfe_frr_status>] [<nhlfe_stale_flag>] [<in_packets> <in_bytes>] [[<out_label> +] <out_packets> + <out_bytes> +] [{ <tunnel_v4_mid_dest> | <tunnel_v6_mid_dest> } { <ipv4_next_hop> | <ipv6_next_hop> }] [<per_ce_table> <per_ce_nh_set_id>] [{ <ias_v4_prefix> | <ias_v6_prefix> } <ias_rd>] [<fec_none_label>] [<srte_path_id>] [<table_name>]] [TABLE_adj_sid_inlabel <adj_sid_in_label> <out_label> { <ipv4_addr> | <ipv6_addr> } <out_interface> { <adj_sid_ipv4_next_hop> | <adj_sid_ipv6_next_hop> } [<in_packets> <in_bytes>] [[<out_label> +] <out_packets> + <out_bytes> +]]]] [TABLE_block <blockid> <lbl_range>]]]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
traffic-eng	(Optional) Show traffic-engineering related entries
srpath	(Optional) Show traffic-engineering segment-routing path entries
ip-addr	(Optional) Match destination address
ipv4-prefix	(Optional) Specify an IP prefix/mask
fec	(Optional) Show FEC information in the ULIB
private	(Optional) Show more detailed information in the ULIB
labels	(Optional) Show a specific label-related information
label	(Optional) Low label value
max-label	(Optional) High label value
interface	(Optional) Match outgoing interface
aggregate	(Optional) Show aggregate-related information
intf	(Optional) Specify outgoing interface
summary	(Optional) Summarized information
detail	(Optional) Detailed information

ipv4_prefix	(Optional) IPv4 prefix
ipv6_prefix	(Optional) IPv6 prefix
ipv4	(Optional) Display IPv4 information
ipv6	(Optional) Display IPv6 information
deagg	(Optional) De-aggregation
ias_vpnv4	(Optional) Display Inter-AS V4 information
ias_vpnv6	(Optional) Display Inter-AS V6 information
srte-path-id	(Optional) Traffic-engineering segment-routing path id
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf_name	(Optional)
TABLE_inlabel	(Optional)
in_label	(Optional)
out_label_stack	(Optional)
ipv4_prefix	(Optional)
tunnel_v4_mid_source	(Optional)
tunnel_v4_mid_dest	(Optional)
tunnel_id	(Optional)
ext_v4_tunnel_id	(Optional)
tunnel_instance	(Optional)
tunnel_head	(Optional)
deagg_vrf	(Optional)
deagg_af	(Optional)
out_interface	(Optional)
ipv4_next_hop	(Optional)

ipv6_next_hop	(Optional)
nhlfe_frr_status	(Optional)
nhlfe_stale_flag	(Optional)
nhlfe_p2p_flag	(Optional)
table_name	(Optional)
in_packets	(Optional)
in_bytes	(Optional)
out_label	(Optional)
out_packets	(Optional)
out_bytes	(Optional)
per_ce_table	(Optional)
per_ce_nh_set_id	(Optional)
fec_none_label	(Optional)
ias_v4_prefix	(Optional)
ias_v6_prefix	(Optional)
ias_rd	(Optional)
srte_path_id	(Optional)
TABLE_adj_sid_inlabel	(Optional)
adj_sid_in_label	(Optional)
out_label	(Optional)
ipv4_addr	(Optional)
out_interface	(Optional)
adj_sid_ipv4_next_hop	(Optional)
adj_sid_ipv6_next_hop	(Optional)
in_packets	(Optional)
in_bytes	(Optional)
out_packets	(Optional)
out_bytes	(Optional)
TABLE_block	(Optional)

blockid	(Optional)
lbl_range	(Optional)

Command Mode

- /exec

show mpls switching clients

show mpls switching clients [__readonly__ [TABLE_client <pib-name> <pib-index> <pib-uuid> <pib-sap> <stale-time> <pib-flag> [<stale-due>] <reg-msg> <conv-msg> [<inv-conv>] <fec-msg> <fec-add> <ile-add> <fec-del> <ile-del> <last-xid> <fec-ack>]]

Syntax Description

show	Show running system information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database
clients	Display ULIB client components
__readonly__	(Optional)
TABLE_client	(Optional)
pib-name	(Optional) Name of the client(pib)
pib-index	(Optional) PIB Index
pib-uuid	(Optional) PIB UUID
pib-sap	(Optional) MTS SAP for the pib
stale-time	(Optional) Stale time
pib-flag	(Optional) Flags set by the pib
stale-due	(Optional) Stale timer due in
reg-msg	(Optional) Number of Registration Message
conv-msg	(Optional) Number of Converge Message
inv-conv	(Optional) Number of Invalid Convergence message
fec-msg	(Optional) Number of FEC messages
fec-add	(Optional) Number of FEC Add messages
ile-add	(Optional) Number of ILE Add messages
fec-del	(Optional) Number of FEC delete messages
ile-del	(Optional) Number of ILE delete messages
last-xid	(Optional) Last XID
fec-ack	(Optional) Number of FEC Ack messages sent

Command Mode

- /exec

show mvpn bgp mdt

show mvpn bgp { mdt-safi | auto-discovery } [mdt-source <src-addr>] [__readonly__ { TABLE_entry <bgp_rd> <mdt_src> <mdt_grp> <local> }]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
bgp	Display BGP related information
mdt-safi	Display Auto-discovered BGP MDT-SAFI database
auto-discovery	Display Auto-discovered BGP MDT-SAFI database
mdt-source	(Optional) Source address of MVPN neighbor
src-addr	(Optional) Source Address
__readonly__	(Optional)
TABLE_entry	(Optional)
bgp_rd	(Optional)
mdt_src	(Optional)
mdt_grp	(Optional)
local	(Optional)

Command Mode

- /exec

show mvpn mdt encap

show mvpn mdt encap [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <out_context> { TABLE_encap <encap_index> <mdt_grp> <mdt_src> <mdt_src_if> }]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
encap	Display MDT Encap table
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_encap	(Optional)
encap_index	(Optional)
mdt_grp	(Optional)
mdt_src	(Optional)
mdt_src_if	(Optional)

Command Mode

- /exec

show mvpn mdt route

show mvpn mdt route [detail] [__readonly__ TABLE_vrf <out_context> [TABLE_mroute <src_addr> <grp_addr> <uptime> <ref_count>]]

Syntax Description

show	Show running system information
mvpn	Display Multicast VPN information
mdt	Display MDT information
route	Display MDT route information
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_vrf	(Optional)
out_context	(Optional)
TABLE_mroute	(Optional)
src_addr	(Optional)
grp_addr	(Optional)
uptime	(Optional)
ref_count	(Optional)

Command Mode

- /exec

show mvr

show mvr [verbose] [__readonly__ <mvr-status> <mvr-default-vlan> <number-of-mvr-vlans> [<mvr-group-list> <cfg-nodes> <interface-cfg-nodes>]]

Syntax Description

show	Show running system information
mvr	show mvr info
verbose	(Optional) Show in detail
__readonly__	(Optional)
mvr-status	(Optional)
mvr-default-vlan	(Optional)
number-of-mvr-vlans	(Optional)
mvr-group-list	(Optional)
cfg-nodes	(Optional)
interface-cfg-nodes	(Optional)

Command Mode

- /exec

show mvr groups

show mvr groups [__readonly__ [TABLE_group_list <ip-address> <ip-max-addr> <rn-count-char> <rn-count> <mvr-vlan-string> <if-name>] [[<interface-name>] [<mvr-vlan>] [TABLE_mvr_vlan <global-mvr-vlan>] <mvr-groups> <mvr-receiver-type> <mvr-source-type>]]

Syntax Description

show	Show running system information
mvr	show mvr info
groups	show mvr groups config
__readonly__	(Optional)
TABLE_group_list	(Optional)
ip-address	(Optional)
ip-max-addr	(Optional)
rn-count-char	(Optional)
rn-count	(Optional)
mvr-vlan-string	(Optional)
if-name	(Optional)
interface-name	(Optional)
mvr-vlan	(Optional)
TABLE_mvr_vlan	(Optional)
global-mvr-vlan	(Optional)
mvr-groups	(Optional)
mvr-receiver-type	(Optional)
mvr-source-type	(Optional)

Command Mode

- /exec

show mvr interface

show mvr interface [<if0>] [__readonly__ [TABLE_if_name <interface-name> <access-vlan> <src-rcvr> <igmp-mvr-port-status> <mvr-vlan-str>]]

Syntax Description

show	Show running system information
mvr	show mvr info
interface	show mvr interfaces
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_if_name	(Optional)
interface-name	(Optional)
access-vlan	(Optional)
src-rcvr	(Optional)
igmp-mvr-port-status	(Optional)
mvr-vlan-str	(Optional)

Command Mode

- /exec

show mvr members

show mvr members [interface <if0>] [__readonly__ [TABLE_mvr_vlan <mvr-vlan> <group> <status> [TABLE_members_if <if-name>]] [<vlan> <mvr-group>]]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
interface	(Optional) show active mvr groups config on interface
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_mvr_vlan	(Optional)
mvr-vlan	(Optional)
group	(Optional)
status	(Optional)
TABLE_members_if	(Optional)
if-name	(Optional)
vlan	(Optional)
mvr-group	(Optional)

Command Mode

- /exec

show mvr members count

show mvr members count [__readonly__ [TABLE_mvr_vlan <mvr-vlan> <mvr-members-count>]]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
count	Active mvr groups on each mvr-vlan
__readonly__	(Optional)
TABLE_mvr_vlan	(Optional)
mvr-vlan	(Optional)
mvr-members-count	(Optional)

Command Mode

- /exec

show mvr members vlan

show mvr members { vlan <vlan-id> } [__readonly__ [TABLE_mvr_vlan <mvr-vlan> <grp> <stat> [TABLE_interface_vlan <interface-name>]]]

Syntax Description

show	Show running system information
mvr	show mvr info
members	show active mvr groups
vlan	vlan
vlan-id	Enter MVR Vlan
__readonly__	(Optional)
TABLE_mvr_vlan	(Optional)
mvr-vlan	(Optional)
grp	(Optional)
stat	(Optional)
TABLE_interface_vlan	(Optional)
interface-name	(Optional)

Command Mode

- /exec

show mvr receiver-ports

show mvr receiver-ports [<if0>] [__readonly__ [TABLE_mvr_if_name <mvr-if-name> <mvr-vlan-str> <igmp-port-status> <rx_reports> <rx_leaves>]]

Syntax Description

show	Show running system information
mvr	show mvr info
receiver-ports	List MVR receiver ports
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_mvr_if_name	(Optional)
mvr-if-name	(Optional)
mvr-vlan-str	(Optional)
igmp-port-status	(Optional)
rx_reports	(Optional)
rx_leaves	(Optional)

Command Mode

- /exec

show mvr source-ports

show mvr source-ports [<if0>] [__readonly__ [TABLE_mvr_if_name <mvr-if-name> <interface-name> <igmp-port-status>]]

Syntax Description

show	Show running system information
mvr	show mvr info
source-ports	List MVR source ports
if0	(Optional) Interface name
__readonly__	(Optional)
TABLE_mvr_if_name	(Optional)
mvr-if-name	(Optional)
interface-name	(Optional)
igmp-port-status	(Optional)

Command Mode

- /exec

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show nbm controller

show nbm controller [__readonly__ <vrf> <ip> <status> <online_since>]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
controller	Controller mode information
__readonly__	(Optional)
vrf	(Optional) nbm controller vrf
ip	(Optional) nbm controller ip address
status	(Optional) nbm controller status
online_since	(Optional) nbm controller online time

Command Mode

- /exec

show nbm defaults

show nbm defaults

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
defaults	Default config

Command Mode

- /exec

show nbm flow-policy

show nbm flow-policy [name { <policy-name> }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flow-policy	Flow policy show command
name	(Optional) Policy name
policy-name	(Optional) Policy name value

Command Mode

- /exec

show nbm flows

show nbm flows [group-based | m-group <group-ip-id> | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } } | source <source-ip> [group <group-ip>] | group <group-ip> [source <source-ip>] | interface <if-name>] [all | active | inactive | no-receiver] [detail] [__readonly__ TABLE_flows { <mcast_grp> <src_ip> <start_time> <src_intf> <src_nbr_device> <lid> <status> <num_rx> <bw_mbps> <cfg_mbps> <src_slot> <unit> <slice> } [{ <act_slot> <act_unit> <stdby_slot> <stdby_unit> }] { <dscp> <qos> <owner_type> <pol_name> } [<flag>] [{ <n_link> <num_links> }] [{ <slot_2> <unit_2> <num_rx_2> }] [{ <iiod> <ilink> <i_ifidx> <fab_iiod> <fab_oiod> <fab_ifidx> <oiod> <olink> <i_ieth_port> <fab_ieth_port> }] [{ <rcv_if_idx> <iod> <name> <rcv_nbr_device> }] [{ <end_timestr> <flow_rate_bps> <packets> <bytes> }]]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows (default will be active flows)
active	(Optional) Active flows (default)
inactive	(Optional) Inactive flows
no-receiver	(Optional) Flows without any receiver
all	(Optional) Both active and inactive flows
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
m-group	(Optional) Multicast group
group-ip-id	(Optional) Multicast group address
flow-policy	(Optional) Flow policy
cfg-pol-name	(Optional) Policy name
unknown-pol-name	(Optional) Policy name
source	(Optional) Source IP address
source-ip	(Optional) Source IP address
group	(Optional) Multicast group
group-ip	(Optional) Multicast group address
interface	(Optional) Ingress interface
detail	(Optional) Detailed output
if-name	(Optional) Interface name
__readonly__	(Optional)

TABLE_flows	(Optional) Flow stats table
mcast_grp	(Optional) Multicast group IP
src_ip	(Optional) Source IP
start_time	(Optional) Start time
src_intf	(Optional) Ingress source interface
src_nbr_device	(Optional) Ingress neighbor device name
lid	(Optional) Logical internal flow ID
status	(Optional) Flow status
num_rx	(Optional) Number of receivers
bw_mbps	(Optional) Set bandwidth
cfg_mbps	(Optional) Configured bandwidth
src_slot	(Optional) Source slot
unit	(Optional) Source unit
slice	(Optional) Source slice
dscp	(Optional) Flow DSCP
qos	(Optional) Flow QOS group
owner_type	(Optional) Flow Owner type
pol_name	(Optional) Flow Policy name
flag	(Optional) Flow not guarantee flag
n_link	(Optional) N Link
num_links	(Optional) Number of Links
act_slot	(Optional) Active FM Slot
act_unit	(Optional) Active FM Unit
stdby_slot	(Optional) Standby FM Slot
stdby_unit	(Optional) Standby FM Unit
slot_2	(Optional) Slot
unit_2	(Optional) Unit
num_rx_2	(Optional) Number of Receivers
iiod	(Optional) IIOD

ilink	(Optional) Ilink
i_ifidx	(Optional) Internal IF IDX
fab_iiod	(Optional) Fabric IIOD
fab_oiod	(Optional) Fabric OIOD
fab_ifidx	(Optional) Fabric IFIDX
oiod	(Optional) OIOD
olink	(Optional) OLink
i_ieth_port	(Optional) Internal IEth Link
fab_ieth_port	(Optional) Fabric IEth Port
rcv_if_idx	(Optional) Receiver interface index
iod	(Optional) Outgoing IOD
name	(Optional) Outgoing interface name
rcv_nbr_device	(Optional) Outgoing neighbor device name
end_timestr	(Optional) Deleted flow end time
flow_rate_bps	(Optional) Deleted flow flow rate in bps
packets	(Optional) Deleted flow packets
bytes	(Optional) Deleted flow bytes

Command Mode

- /exec

show nbm flows bandwidth

show nbm flows bandwidth

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
bandwidth	Per Flow Bandwidth in Mbps

Command Mode

- /exec

show nbm flows statistics

show nbm flows statistics [group-based | m-group <group-ip-id> | { flow-policy { <cfg-pol-name> | <unknown-pol-name> } }] [interface <if-name>] [__readonly__ { TABLE_stats <mcast_grp> <src_ip> <start_time> <src_intf> <packets> <bytes> <allow_bytes> <drop_bytes> }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM flows
statistics	Flow statistics
group-based	(Optional) Multicast group based (*,G) flows to IGMP receivers
m-group	(Optional) Multicast group
group-ip-id	(Optional) Multicast group address
flow-policy	(Optional) Flow policy
cfg-pol-name	(Optional) Policy name
unknown-pol-name	(Optional) Policy name
interface	(Optional) Ingress port
if-name	(Optional) Interface name
__readonly__	(Optional)
TABLE_stats	(Optional) Flow stats table
mcast_grp	(Optional) Multicast group IP
src_ip	(Optional) Source IP
start_time	(Optional) Start time
src_intf	(Optional) Ingress source interface
packets	(Optional) Packets
bytes	(Optional) Bytes
allow_bytes	(Optional) Allowed bytes
drop_bytes	(Optional) Droped bytes

Command Mode

- /exec

show nbm flows summary

show nbm flows summary [__readonly__ TABLE_flows_summary { <flow_type> <sg> <starg> <total> }]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
flows	NBM Flows
summary	NBM Flow Summary
__readonly__	(Optional)
TABLE_flows_summary	(Optional) Flows summary
flow_type	(Optional) Type of Flow Summary
sg	(Optional) (S,G) number of flows
starg	(Optional) (*,G) number of flows
total	(Optional) Total Flows

Command Mode

- /exec

show nbm host-policy all

show nbm host-policy all { sender | { receiver { local | external } } }

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
all	All policies on switch
sender	Sender Policy
receiver	Receiver Policy
local	Local receiver policy
external	External receiver policy

Command Mode

- /exec

show nbm host-policy applied

show nbm host-policy applied { sender { all | interface { <if-name> } } }

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
sender	Sender Policy
all	All policies on switch
interface	Interface
if-name	Interface name

Command Mode

- /exec

show nbm host-policy applied receiver

show nbm host-policy applied receiver { local { all | interface { <if-name> } } | external }

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
host-policy	Host policy
applied	Applied policies only
receiver	Receiver Policy
local	Local receiver policy
all	All policies on switch
external	External receiver policy
interface	Interface
if-name	Interface name

Command Mode

- /exec

show nbm interface bandwidth

show nbm interface bandwidth [__readonly__ [TABLE_bw { <index> <ifname> <iod> <slot> <unit> <slice> <ingr_fl_bw_available> <ingr_fl_bw_usable> <ingr_fl_bw_capacity> <egr_fl_bw_available> <egr_fl_bw_capacity> <nbr_dev_id> <nbr_dev_name> <external> }]]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
interface	interface
bandwidth	Bandwidth interface table
__readonly__	(Optional)
TABLE_bw	(Optional) TABLE BW
index	(Optional) Index
ifname	(Optional) Interface
iod	(Optional) IOD
slot	(Optional) SLOT
unit	(Optional) UNIT
slice	(Optional) SLICE
ingr_fl_bw_available	(Optional) Ingress Flow BW available
ingr_fl_bw_usable	(Optional) Ingress Flow BW usable
ingr_fl_bw_capacity	(Optional) Ingress Flow BW capacity
egr_fl_bw_available	(Optional) Egress Flow BW available
egr_fl_bw_capacity	(Optional) Egress Flow BW capacity
nbr_dev_id	(Optional) Neighbor device ID
nbr_dev_name	(Optional) Neighbor device name
external	(Optional) External

Command Mode

- /exec

show nbm switch-role

show nbm switch-role [__readonly__ <switch_role>]

Syntax Description

show	Show running system information
nbm	Non Blocking Multicast
switch-role	Switch role information
__readonly__	(Optional)
switch_role	(Optional) switch role

Command Mode

- /exec

show ngoam acl status

show ngoam acl status [__readonly__ [LIST_bds { <bd-id> }] <end-row> <top-line>]

Syntax Description

show	Show running system information
ngoam	ngoam
acl	Show acl info
status	Show acl install status
__readonly__	(Optional) Read Only
LIST_bds	(Optional) List of all bds acls is installed on
bd-id	(Optional) Bridge-Domain identifier
end-row	(Optional) Carriage return
top-line	(Optional) Placeholder for printing the headline

Command Mode

- /exec

show ngoam actsessions

show ngoam actsessions

Syntax Description

show	Show running system information
ngoam	ngoam information
actsessions	show

Command Mode

- /exec

show ngoam interface statistics

show ngoam interface statistics [__readonly__ [TABLE_stats { <interface-name> <tx> <rx> } <statistics-end>]]

Syntax Description

TABLE_stats	(Optional) interface statistics table
interface-name	(Optional) interface namestring
tx	(Optional) ngoam probe transmit on the interface
rx	(Optional) ngoam probe receive on the interface
show	Show running system information
ngoam	ngoam
interface	probe packet interface
statistics	ngoam probe interface statistics
__readonly__	(Optional) Read Only
statistics-end	(Optional) statistics table end marker

Command Mode

- /exec

show ngoam loopback

show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle> | all } } } } [__readonly__ [TABLE_statistics { <sender-handle> <connect-check-id> <last-clear-stats> { <stat-attr> <stat-value> } + } +] [TABLE_status { <st-sender-handle> <type> <state> } +] [TABLE_statistics_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> }]]

Syntax Description

show	Show running system information
ngoam	ngoam
loopback	ngoam loopback
statistics	ngoam loopback statistics
summary	ngoam loopback statistics summary
status	ngoam loopback status
session	ngoam loopback session
session	ngoam loopback session
handle	ngoam loopback session handle
handle	ngoam loopback session handle
all	Display results for all ping/loopback sessions
all	Display results for all ping/loopback sessions
TABLE_statistics	(Optional) statistics table
sender-handle	(Optional) sender handle
connect-check-id	(Optional) connect check id
last-clear-stats	(Optional) last clear time for statistics
stat-attr	(Optional) stats type
stat-value	(Optional) stats value
TABLE_statistics_summary	(Optional) statistics summary table
last-clear-summary-stats	(Optional) last clear time for summary statistics
tx	(Optional) summary request sent
rx	(Optional) summary reply received
timeout	(Optional) summary timeout

unsent	(Optional) summary unsent
resp-tx	(Optional) summary resp tx
resp-rx	(Optional) summary resp rx
resp-unsent	(Optional) summary resp unsent
resp-dup	(Optional) Duplicate responses received
req-sw-fwd	(Optional) Request pkts sw fwded
resp-sw-fwd	(Optional) Response pkts sw fwded
req-drop	(Optional) Requests dropped
resp-drop	(Optional) Responses dropped
TABLE_status	(Optional) database status table
st-sender-handle	(Optional) sender handle
type	(Optional) ngoam ping type
state	(Optional) ngoam ping state
__readonly__	(Optional) Read Only

Command Mode

- /exec

show ngoam pathtrace

show ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database session { <handle> | all } [detail] } } [__readonly__ [TABLE_stats { <sender-handle> <last-clear-stats> { <stat-attr> <stat-value> } + } +] [TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> }] [TABLE_database { <db-sender-handle> <db-start-time> <db-end-time> <db-last-clear-stats> <db-tx> <db-rx> <db-timeout> <db-unsent> <db-req-sw-fwd> <db-req-drop> <db-resp-tx> <db-resp-rx> <db-resp-unsent> <db-resp-dup> <db-resp-sw-fwd> <db-resp-drop> { <seq-number> <cli-status> [<reply-ip>] [<reply-ipv6>] [<ingress-if>] [<ingress-if-state>] [<egress-if>] [<egress-if-state>] [<end-row>] + } + } +] [TABLE_ifstats { <if-name> <rx-len> <rx-bytes> <rx-pkt-rate> <rx-byte-rate> <rx-load> <rx-ucast> <rx-mcast> <rx-bcast> <rx-errors> <rx-discards> <rx-unknown> <rx-bandwidth> <tx-len> <tx-bytes> <tx-pkt-rate> <tx-byte-rate> <tx-load> <tx-ucast> <tx-mcast> <tx-bcast> <tx-discards> <tx-errors> <tx-bandwidth> }]]

Syntax Description

show	Show running system information
ngoam	ngoam
pathtrace	ngoam pathtrace
statistics	ngoam pathtrace statistics
end-row	(Optional) Row end
summary	ngoam pathtrace statistics summary
session	ngoam pathtrace session
handle	ngoam pathtrace session handle
all	Display results for all pathtrace sessions
database	ngoam pathtrace results from the database
session	ngoam pathtrace session
all	Display results for all pathtrace sessions
handle	ngoam pathtrace session handle
detail	(Optional) Show detailed stats if present
TABLE_stats	(Optional) statistics table
sender-handle	(Optional) sender handle
last-clear-stats	(Optional) last clear time for statistics
stat-attr	(Optional) stats type
stat-value	(Optional) stats value

TABLE_summary	(Optional) statistics summary table
last-clear-summary-stats	(Optional) last clear time for summary statistics
tx	(Optional) summary request sent
rx	(Optional) summary reply received
timeout	(Optional) summary timeout
unsent	(Optional) summary unsent
resp-tx	(Optional) summary resp tx
resp-rx	(Optional) summary resp rx
resp-unsent	(Optional) summary resp unsent
resp-dup	(Optional) Duplicate responses received
req-sw-fwd	(Optional) Request pkts sw fwded
db-req-sw-fwd	(Optional) Request pkts sw fwded
resp-sw-fwd	(Optional) Response pkts sw fwded
db-resp-sw-fwd	(Optional) Response pkts sw fwded
req-drop	(Optional) Requests dropped
db-req-drop	(Optional) Requests dropped
resp-drop	(Optional) Responses dropped
db-resp-drop	(Optional) Responses dropped
TABLE_database	(Optional) pathtrace database
seq-number	(Optional) Sequence number
cli-status	(Optional) ngoam pathtrace status
ingress-if	(Optional) Ingress interface
egress-if	(Optional) Egress interface
ingress-if-state	(Optional) Ingress interface state
egress-if-state	(Optional) Egress interface state
reply-ip	(Optional) ngoam pathrace reply ip
db-sender-handle	(Optional) Sender handle
db-start-time	(Optional) Start time
db-end-time	(Optional) End time

db-last-clear-stats	(Optional) Last clear stats
db-tx	(Optional) Tx packets
db-rx	(Optional) Rx packets
db-timeout	(Optional) Timeout
db-unsent	(Optional) Unsent
db-resp-tx	(Optional) Response tx
db-resp-rx	(Optional) Response Rx
db-resp-unsent	(Optional) Response unsent
db-resp-dup	(Optional) Duplicate response recvd
TABLE_ifstats	(Optional) Interface statistics
if-name	(Optional) Interface name
rx-len	(Optional) Rx Length
rx-bytes	(Optional) Rx Bytes
rx-pkt-rate	(Optional) Rx packet rate
rx-byte-rate	(Optional) Rx byte rate
rx-load	(Optional) Rx load
rx-ucast	(Optional) Rx unicast pkts
rx-mcast	(Optional) Rx mcast pkts
rx-bcast	(Optional) Rx bcast pkts
rx-discards	(Optional) Rx discards
rx-errors	(Optional) Rx errors
rx-unknown	(Optional) Rx unknown
rx-bandwidth	(Optional) Rx bandwidth
tx-len	(Optional) Tx Length
tx-bytes	(Optional) Tx Bytes
tx-pkt-rate	(Optional) Tx packet rate
tx-byte-rate	(Optional) Tx byte rate
tx-load	(Optional) Tx load
tx-ucast	(Optional) Tx unicast pkts

tx-mcast	(Optional) Tx mcast pkts
tx-bcast	(Optional) Tx bcast pkts
tx-discards	(Optional) Tx discards
tx-errors	(Optional) Tx unknown
tx-bandwidth	(Optional) Tx bandwidth
__readonly__	(Optional) Read Only

Command Mode

- /exec

show ngoam probe

show ngoam probe { { statistics { summary | { session { <handle> | all } } } } } [__readonly__ [TABLE_stats { <sender-handle> <transaction-id> <dst-vip> <vni> <oam-type> <flow-str> <last-clear-stats> <req-sent> <req-not-sent> } <statistics-end>] [TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <resp-tx> <resp-rx> <resp-unsent> }]]

Syntax Description

show	Show running system information
ngoam	ngoam
probe	ngoam probe
statistics	ngoam probe statistics
summary	ngoam probe statistics summary
session	ngoam probe session
handle	ngoam probe session handle
all	Display results for all probe sessions
TABLE_stats	(Optional) statistics table
sender-handle	(Optional) sender handle
transaction-id	(Optional) Transaction Identifier
dst-vip	(Optional) Destination Vtep ip address
vni	(Optional) vxlan header vni
oam-type	(Optional) draft pang oam type
flow-str	(Optional) 128 byte flow string.
last-clear-stats	(Optional) last clear time for statistics
req-sent	(Optional) request sent
req-not-sent	(Optional) request not sent or failed
statistics-end	(Optional) statistics table end marker
TABLE_summary	(Optional) statistics summary table
last-clear-summary-stats	(Optional) last clear time for summary statistics
tx	(Optional) summary request sent
rx	(Optional) summary reply received

timeout	(Optional) summary timeout
unsent	(Optional) summary unsent
resp-tx	(Optional) summary resp tx
resp-rx	(Optional) summary resp rx
resp-unsent	(Optional) summary resp unsent
__readonly__	(Optional) Read Only

Command Mode

- /exec

show ngoam role

show ngoam role

Syntax Description

show	Show running system information
ngoam	ngoam information
role	show draft pang derived role info

Command Mode

- /exec

show ngoam traceroute statistics

show ngoam traceroute statistics { summary | { session { <handle> | all } } } [__readonly__ [TABLE_stats { <sender-handle> <last-clear-stats> { <stat-attr> <stat-value> } + } +] [TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> }]]

Syntax Description

show	Show running system information
ngoam	ngoam
traceroute	ngoam traceroute
statistics	ngoam traceroute statistics
summary	ngoam traceroute statistics summary
session	ngoam traceroute session
handle	ngoam traceroute session handle
all	Display results for all traceroute sessions
TABLE_stats	(Optional) statistics table
sender-handle	(Optional) sender handle
last-clear-stats	(Optional) last clear time for statistics
stat-attr	(Optional) stats type
stat-value	(Optional) stats value
TABLE_summary	(Optional) statistics summary table
last-clear-summary-stats	(Optional) last clear time for summary statistics
tx	(Optional) summary request sent
rx	(Optional) summary reply received
timeout	(Optional) summary timeout
unsent	(Optional) summary unsent
resp-tx	(Optional) summary resp tx
resp-rx	(Optional) summary resp rx
resp-unsent	(Optional) summary resp unsent
resp-dup	(Optional) Duplicate responses received

__readonly__	(Optional) Read Only

Command Mode

- /exec

show ngoam xconnect session

show ngoam xconnect session { <id> [iodb] | all [dbdump] } [__readonly__ [TABLE_xc_db_summary { [<legend>] <vlan-id> <peer-ip> <vni> <db-state> <local-if> <local-if-state> <remote-if> <remote-if-state> [<end-row>] + } +] [ENTRY_xc_db_detail { <detail> <d-vlan-id> <d-peer-ip> [<peer-name>] <d-vni> <d-db-state> <last-state-change-ts> <d-local-if> <d-local-if-state> <vpc-if> <vpc-if-state> <remote-if-detail> <remote-if-detail-state> <remote-vpc-if> <remote-vpc-if-state> [<d-end-row>] + }]]

Syntax Description

show	Show running system information
ngoam	ngoam information
xconnect	crossconnect info
session	xc session id
id	Vlan-id of the xc
iodb	(Optional) Iodb
all	show summary info for all sessions
__readonly__	(Optional) Read Only
TABLE_xc_db_summary	(Optional) XC Db table
ENTRY_xc_db_detail	(Optional) XC Db detail
detail	(Optional) Detail or not
vlan-id	(Optional) Vlan id
d-vlan-id	(Optional) Vlan id
vni	(Optional) vni
d-vni	(Optional) vni
local-if	(Optional) Interface
d-local-if	(Optional) Interface
local-if-state	(Optional) Interface state
d-local-if-state	(Optional) Interface state
remote-if	(Optional) Remote interface
remote-if-state	(Optional) Remote interface state
remote-if-detail	(Optional) Remote interface
remote-if-detail-state	(Optional) Remote interface state

vpc-if	(Optional) Interface
vpc-if-state	(Optional) Interface state
remote-vpc-if	(Optional) Remote vpc interface
remote-vpc-if-state	(Optional) Remote vpc interface state
db-state	(Optional) XC state
d-db-state	(Optional) XC state
last-state-change-ts	(Optional) Last state change timestamp
peer-ip	(Optional) Peer ip
d-peer-ip	(Optional) Peer ip
peer-name	(Optional) Peer name
end-row	(Optional) end row
d-end-row	(Optional) end row
legend	(Optional) legend
dbdump	(Optional) Dump the whole database

Command Mode

- /exec

show npv external-interface-usage

show npv external-interface-usage [server-interface <if0>] [__readonly__ { TABLE_intf_usage <svr_intf> <ext_intf> }]

Syntax Description

show	Show running system information
npv	Show information about NPV
external-interface-usage	Show external interface usage by server interfaces
server-interface	(Optional) Show external interface usage by a server interface
if0	(Optional)
__readonly__	(Optional) Read Only
TABLE_intf_usage	(Optional) External Interfaces Usage Table
svr_intf	(Optional) Server Interface
ext_intf	(Optional) External Interface

Command Mode

- /exec

show npv flogi-table

show npv flogi-table [{ interface <if0> | vsan <i0> }] [__readonly__ [[TABLE_flogi <svr_intf> <vsan_id> <fcid> <pwwn> <ext_intf> <nwwn>] [<flogi_count>]]]

Syntax Description

show	Show running system information
npv	Show information about NPV
flogi-table	Show information about FLOGI sessions
interface	(Optional) Show information about FLOGI sessions for a server interface
if0	(Optional)
vsan	(Optional) Show information about FLOGI sessions for a VSAN
i0	(Optional)
__readonly__	(Optional) Read Only
TABLE_flogi	(Optional) FLOGI Table
svr_intf	(Optional) Server Interface
vsan_id	(Optional) VSAN ID
fcid	(Optional) FLOGI FCID
pwwn	(Optional) The PWWN
ext_intf	(Optional) External Interface
nwwn	(Optional) The NWWN
flogi_count	(Optional) Total FLOGI Count

Command Mode

- /exec

show npv status

show npv status [vsan <i0>] [__readonly__ [[<npiv_status>] [<load_balance>] [{ TABLE_extintf <ext_intf> [<ext_vsan>] [<ext_fcid>] <ext_state> [{ TABLE_vsan <vsan_vsan> <vsan_state> [<vsan_fcid>] }] }] <ext_intf_count> [{ TABLE_svrintf <svr_intf> <svr_vsan> <svr_state> }] <svr_intf_count>]]

Syntax Description

show	Show running system information
npv	Show information about NPV
status	Show NPV status
vsan	(Optional) Show NPV status for a specific VSAN
i0	(Optional)
__readonly__	(Optional) Read Only
npiv_status	(Optional) NPIV enable/disable status
load_balance	(Optional) disruptive load balance status
TABLE_extintf	(Optional) External Interfaces Table
ext_intf	(Optional) External Interface
ext_vsan	(Optional) External Interface VSAN
ext_fcid	(Optional) External Interface FCID
ext_state	(Optional) External Interface State
TABLE_vsan	(Optional) External Interfaces VSAN Table
vsan_vsan	(Optional) External Interface VSAN
vsan_state	(Optional) VSAN State
vsan_fcid	(Optional) VSAN FCID
ext_intf_count	(Optional) External Interface count
TABLE_svrintf	(Optional) Server Interfaces Table
svr_intf	(Optional) Server Interface
svr_vsan	(Optional) Server Interface VSAN
svr_state	(Optional) Server Interface State
svr_intf_count	(Optional) Server Interface count

Command Mode

- /exec

show npv traffic-map

show npv traffic-map [server-interface <if0>] [__readonly__ [{ TABLE_traffic_map <svr_intf> <ext_intf> }]]

Syntax Description

show	Show running system information
npv	Show information about NPV
traffic-map	Show information about Traffic Map
server-interface	(Optional) Show information about Traffic map for a server interface
if0	(Optional)
__readonly__	(Optional) Read Only
TABLE_traffic_map	(Optional) Traffic Map Table
svr_intf	(Optional) Server Interface
ext_intf	(Optional) External Interface

Command Mode

- /exec

show npv traffic-usage

show npv traffic-usage [server-interface <if0>]

Syntax Description

show	Show running system information
npv	Show information about NPV
traffic-usage	Show information about Traffic Usage
server-interface	(Optional) Show Traffic usage for a server interface
if0	(Optional)

Command Mode

- /exec

show ntp access-groups

show ntp access-groups [__readonly__ [<matchall>] [{ TABLE_accessgroups <accesslist> [<type>] }]]

Syntax Description

show	Show running system information
ntp	Show NTP information
access-groups	Display NTP access groups
__readonly__	(Optional)
matchall	(Optional) matchall
TABLE_accessgroups	(Optional) accessgroups
accesslist	(Optional) accesslist
type	(Optional) type

Command Mode

- /exec

show ntp authentication-keys

show ntp authentication-keys [__readonly__ [{ TABLE_authkeys <Authkey> [<MD5String>] }]]

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-keys	Display authentication keys
__readonly__	(Optional)
TABLE_authkeys	(Optional) authentication keys
Authkey	(Optional) authentication key
MD5String	(Optional) password

Command Mode

- /exec

show ntp authentication-status

show ntp authentication-status [__readonly__ [<authentication>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
authentication-status	NTP Authentication Status
__readonly__	(Optional)
authentication	(Optional) authentication enabled/disabled

Command Mode

- /exec

show ntp information

show ntp information [__readonly__ [<system_type>] [<software_version>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
information	Show ntp information
__readonly__	(Optional)
system_type	(Optional) Ntp System Type
software_version	(Optional) Ntp Software Version

Command Mode

- /exec

show ntp logging-status

show ntp logging-status [__readonly__ [<loggingstatus>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
logging-status	Display NTP logging status
__readonly__	(Optional)
loggingstatus	(Optional) logging enabled/disabled

Command Mode

- /exec

show ntp peer-status

show ntp peer-status [__readonly__ [<totalpeers>] [{ TABLE_peersstatus <syncmode> <remote> <local> <st> <poll> <reach> <delay> [<vrf>] }]]

Syntax Description

show	Show running system information
ntp	Show NTP information
peer-status	Show the status for all the server/peers
__readonly__	(Optional)
totalpeers	(Optional) totalpeers
TABLE_peersstatus	(Optional) peersstatus
syncmode	(Optional) peermode
remote	(Optional) remote addr
local	(Optional) local addr
st	(Optional) stratum
poll	(Optional) ntp poll
reach	(Optional) reach
delay	(Optional) delay
vrf	(Optional) vrf name

Command Mode

- /exec

show ntp peers

show ntp peers [__readonly__ [{ TABLE_peers <PeerIPAddress> <serv_peer> <conf_flag> }]]

Syntax Description

show	Show running system information
ntp	Show NTP information
peers	Show all the peers.
__readonly__	(Optional)
TABLE_peers	(Optional) peers
PeerIPAddress	(Optional) peer Ip addr
serv_peer	(Optional) server or peer
conf_flag	(Optional) configured or dynamic

Command Mode

- /exec

show ntp rts-update

show ntp rts-update [__readonly__ [<rtsupdate>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
rts-update	Show if the RTS update is enabled
__readonly__	(Optional)
rtsupdate	(Optional) rts update enabled/disabled

Command Mode

- /exec

show ntp session status

show ntp session status [__readonly__ [<session_status>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
session	Show the session information
status	Show the session status
__readonly__	(Optional)
session_status	(Optional) last session status

Command Mode

- /exec

show ntp source-interface

show ntp source-interface [__readonly__ [<sourceinterface>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
source-interface	Source interface configured
__readonly__	(Optional)
sourceinterface	(Optional) source interface

Command Mode

- /exec

show ntp source

show ntp source [__readonly__ [{ TABLE_sourceip <sourceip> }]]

Syntax Description

show	Show running system information
ntp	Show NTP information
source	Source IP address configured
__readonly__	(Optional)
TABLE_sourceip	(Optional) source ip table
sourceip	(Optional) source ip addr

Command Mode

- /exec

show ntp statistics

show ntp statistics { [io] | [local] | [memory] | peer { ipaddr { <ipv4_0> | <ipv6_1> } | name <s0> } } [__readonly__ [{ <iotimesincereset> <ioreceivebuffers> <iofreereceivebuffers> <iousedreceivebuffers> <iolowwaterrefills> <iodroppedpackets> <ioignoredpackets> <ioreceivedpackets> <iopacketssent> <iopacketsnotsent> <iointerruptshandled> <ioreceivedbyint> }] [{ <localsystemuptime> <localtimesincereset> <localoldversionpackets> <localnewversionpackets> <localunknownversionnumber> <localbadpacketformat> <localpacketsprocessed> <localbadauthentication> [<localpacketsrejected>] }] [{ <memtimesincereset> <memtotalpeermemory> <memfreepeermemory> <memcallstofindpeer> <memnewpeerallocations> <mempeerdemobilizations> <memhashtablecounts> }] [{ <peeripremotehost> <peeriplocalinterface> <peeriptimelastreceived> <peeriptimeuntilnextsend> <peeripreachabilitychange> <peerippacketssent> <peerippacketsreceived> <peeripbadauthentication> <peeripbogusorigin> <peeripduplicate> <peeripbaddispersion> <peeripbadreferencetime> <peeripcandidateorder> }] [{ <peernameremotehost> <peernamelocalinterface> <peernametimelastreceived> <peernametimeuntilnextsend> <peernamereachabilitychange> <peernamepacketssent> <peernamepacketsreceived> <peernamebadauthentication> <peernamebogusorigin> <peernameduplicate> <peernameduplicate> <peernamebaddispersion> <peernamebadreferencetime> <peernamecandidateorder> }]]

Syntax Description

show	Show running system information
ntp	Show NTP information
statistics	Show the NTP statistics
io	(Optional) Show the input-output statistics.
local	(Optional) Show the counters maintained by the local NTP.
memory	(Optional) Show the statistics counters related to memory code.
peer	Show the per-peer statistics counter of a peer.
ipaddr	Peer's IP address
ipv4_0	
name	Peer's Name
s0	
__readonly__	(Optional)
iotimesincereset	(Optional) time since reset
ioreceivebuffers	(Optional) receive buffers
iofreereceivebuffers	(Optional) free receive buffers
iousedreceivebuffers	(Optional) used receive buffers
iolowwaterrefills	(Optional) low water refills

iodroppedpackets	(Optional) dropped packets
ioignoredpackets	(Optional) ignored packets
ioreceivedpackets	(Optional) received packets
iopacketssent	(Optional) packets sent
iopacketsnotsent	(Optional) packets not sent
iointerruptshandled	(Optional) interrupts handled
ioreceivedbyint	(Optional) received by int
localsystemuptime	(Optional) system up time
localtimesincereset	(Optional) time since reset
localoldversionpackets	(Optional) old version packets
localnewversionpackets	(Optional) new version packets
localunknownversionnumber	(Optional) unknown version number
localbadpacketformat	(Optional) bad packet format
localpacketsprocessed	(Optional) packets processed
localbadauthentication	(Optional) bad authentication
localpacketsrejected	(Optional) packets rejected
memtimesincereset	(Optional) time since reset
memtotalpeermemory	(Optional) total peer memory
memfreepeermemory	(Optional) free peer memory
memcallstofindpeer	(Optional) calls to find peer
memnewpeerallocations	(Optional) new peer allocations
mempeerdemobilizations	(Optional) peer demobilizations
memhashtablecounts	(Optional) hash table counts
peeripremotehost	(Optional) peeripremotehost
peeriplocalinterface	(Optional) peeriplocalinterface
peeriptimelastreceived	(Optional) peeriptimelastreceived
peeriptimeuntilnextsend	(Optional) peeriptimeuntilnextsend
peeripreachabilitychange	(Optional) peeripreachabilitychange
peerippacketssent	(Optional) peerippacketssent

peerippacketsreceived	(Optional) peerippacketsreceived
peeripbadauthentication	(Optional) peeripbadauthentication
peeripbogusorigin	(Optional) peeripbogusorigin
peeripduplicate	(Optional) peeripduplicate
peeripbaddispersion	(Optional) peeripbaddispersion
peeripbadreferencetime	(Optional) peeripbadreferencetime
peeripcandidateorder	(Optional) peeripcandidateorder
peernameremotehost	(Optional) peernameremotehost
peernamelocalinterface	(Optional) peernamelocalinterface
peernametimelastreceived	(Optional) peernametimelastreceived
peernametimeuntilnextsend	(Optional) peernametimeuntilnextsend
peernamereachabilitychange	(Optional) peernamereachabilitychange
peernamepacketssent	(Optional) peernamepacketssent
peernamepacketsreceived	(Optional) peernamepacketsreceived
peernamebadauthentication	(Optional) peernamebadauthentication
peernamebogusorigin	(Optional) peernamebogusorigin
peernameduplicate	(Optional) peernameduplicate
peernamebaddispersion	(Optional) peernamebaddispersion
peernamebadreferencetime	(Optional) peernamebadreferencetime
peernamecandidateorder	(Optional) peernamecandidateorder

Command Mode

- /exec

show ntp status

show ntp status [__readonly__ [<distribution>] [<operational_state>]]

Syntax Description

show	Show running system information
ntp	Show NTP information
status	Show the NTP distribution status
__readonly__	(Optional)
distribution	(Optional) distribution enabled/disabled
operational_state	(Optional) last operation status

Command Mode

- /exec

show ntp trusted-keys

show ntp trusted-keys [__readonly__ [{ TABLE_trustkeys <key> }]]

Syntax Description

show	Show running system information
ntp	Show NTP information
trusted-keys	Display trusted keys
__readonly__	(Optional)
TABLE_trustkeys	(Optional) trusted keys
key	(Optional) trusted key

Command Mode

- /exec

show nve bfd neighbors

show nve bfd neighbors [__readonly__ [TABLE_nve_bfd_neighbors <if-name> [{ <neighbor-vtep-ip> <neighbor-inner-ip> <neighbor-inner-mac> <neighbor-cc-state> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
bfd	BFD
neighbors	neighbors
__readonly__	(Optional)
TABLE_nve_bfd_neighbors	(Optional) BFD neighbors schema
if-name	(Optional) if-name
neighbor-vtep-ip	(Optional) Remote VTEP IP address
neighbor-inner-ip	(Optional) Remote VTEP Inner IP address
neighbor-inner-mac	(Optional) Remote VTEP Inner MAC address
neighbor-cc-state	(Optional) Remote VTEP vPC consistency check state

Command Mode

- /exec

show nve core-links

show nve core-links [__readonly__ [TABLE_core_link <if-name> [{ <if-state> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
core-links	Core-links
__readonly__	(Optional)
TABLE_core_link	(Optional) xml schema for show nve core-links
if-name	(Optional) core-link interface name
if-state	(Optional) core-link interface oper state

Command Mode

- /exec

show nve ethernet-segment

show nve ethernet-segment [summary] [{ esi <esi-id> }] [__readonly__ [TABLE_es { <esi> <if-name> <es-state> [{ <po-state> <nve-if-name> <nve-state> <host-reach-mode> <active-vlans> <df-vlans> <active-vnis> <cc-failed-vlans> <cc-timer-left> <num-es-mem> <local-ordinal> <df-timer-st> <config-status> <df-list> <es-rt-added> <ead-rt-added> <ead-evi-rt-timer-age> }] }]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
ethernet-segment	Ethernet-segment
summary	(Optional) Ethernet-segment summary
esi	(Optional) ESI Value
esi-id	(Optional) ESI ID
__readonly__	(Optional)
TABLE_es	(Optional) xml schema for show nve ethernet-segment
esi	(Optional) ESI value
if-name	(Optional) port-channel interface name
es-state	(Optional) Ethernet-segment oper state
po-state	(Optional) port-channel interface oper state
nve-if-name	(Optional) NVE interface name
nve-state	(Optional) NVE oper state
host-reach-mode	(Optional) host reach mode
active-vlans	(Optional) Active vlans on ES
df-vlans	(Optional) DF-vlans on ES
active-vnis	(Optional) Active VNIs on ES
cc-failed-vlans	(Optional) Vlans for which consistency check failed
cc-timer-left	(Optional) vlan CC timer status
num-es-mem	(Optional) number of es members
local-ordinal	(Optional) local-ordinal
df-timer-st	(Optional) df election start timer

config-status	(Optional) config state
df-list	(Optional) List of router-ips in DF list
es-rt-added	(Optional) ES route added to L2RIB
ead-rt-added	(Optional) EAD routes added to L2RIB
ead-evi-rt-timer-age	(Optional) EAD/EVI route advertisement timer age

Command Mode

- /exec

show nve interface

show nve interface [<nve-if> [detail]] [__readonly__ [TABLE_nve_if { <if-name> <if-state> <encap-type> <vpc-capability> <local-rmac> <host-reach-mode> <source-if> <primary-ip> <secondary-ip> [{ <src-if-state> <adv-vmac> <nve-flags> <nve-if-handle> <src-if-holddown-tm> <src-if-holdup-tm> <src-if-holddown-left> <vpc-compat-check> <vip-rmac> [<vip-rmac-ro>] <sm-state> [<es-delay-restore-time> <es-delay-restore-time-left>] [<multisite-convergence-time> <multisite-convergence-time-left>] [<multisite-bgw-if> <multisite-bgw-if-ip> <multisite-bgw-if-admin-state> <multisite-bgw-if-oper-state> <multisite-bgw-if-oper-state-down-reason>] }] }]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
interface	Interface
nve-if	(Optional) NVE interface
detail	(Optional) Detailed information
__readonly__	(Optional)
TABLE_nve_if	(Optional) xml schema for show nve interfaces
if-name	(Optional) interface name
if-state	(Optional) interface oper state
encap-type	(Optional) encap-type
vpc-capability	(Optional) vpc capability
local-rmac	(Optional) local router mac
host-reach-mode	(Optional) host reach mode
adv-vmac	(Optional) advertise virtual rmac
source-if	(Optional) source-interface
primary-ip	(Optional) primary-ip
secondary-ip	(Optional) secondary-ip
src-if-state	(Optional) source-interface state
nve-flags	(Optional) nve-flags
nve-if-handle	(Optional) interface handle
src-if-holddown-tm	(Optional) hold down time
src-if-holdup-tm	(Optional) hold up time

src-if-holddown-left	(Optional) hold down time left
vpc-compat-check	(Optional) vpc-compat-check
sm-state	(Optional) sm state
vip-rmac	(Optional) Generated VIP MAC
vip-rmac-ro	(Optional) Generated VIP MAC Re-origination
es-delay-restore-time	(Optional) es delay restore time
es-delay-restore-time-left	(Optional) es delay restore time left
multisite-convergence-time	(Optional) multisite convergence time
multisite-convergence-time-left	(Optional) multisite convergence time left
multisite-bgw-if	(Optional) multisite border gateway interface
multisite-bgw-if-ip	(Optional) multisite if ip
multisite-bgw-if-admin-state	(Optional) multisite if admin state
multisite-bgw-if-oper-state	(Optional) multisite if oper state
multisite-bgw-if-oper-state-down-reason	(Optional) multisite if oper state down reason

Command Mode

- /exec

show nve multisite dci-links

show nve multisite dci-links [__readonly__ [TABLE_multisite_dci_link <if-name> [{ <if-state> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
dci-links	dci-links
__readonly__	(Optional)
TABLE_multisite_dci_link	(Optional) xml schema for show nve multisite dci-links
if-name	(Optional) dci-link interface name
if-state	(Optional) dci-link interface oper state

Command Mode

- /exec

show nve multisite fabric-links

show nve multisite fabric-links [__readonly__ [TABLE_multisite_fabric_link <if-name> [{ <if-state> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
multisite	multisite
fabric-links	fabric-links
__readonly__	(Optional)
TABLE_multisite_fabric_link	(Optional) xml schema for show nve multisite fabric-links
if-name	(Optional) fabric-link interface name
if-state	(Optional) fabric-link interface oper state

Command Mode

- /exec

show nve peers

show nve peers [[[interface <nve-if> | peer-ip <user-peer-ip> | control-plane | data-plane] [detail]] | [control-plane-vni [vni <vni-id> | peer-ip <user-peer-ip>]] | [controller]] [__readonly__ TABLE_nve_peers [[<detail>] [<control-plane-vni>] [<if-name>] [<peer-ip>] [<peer-state>] [<learn-type>] [<uptime>] [<router-mac>] [{ <first-vni> <create-ts> <config-vnis> <provision-state> <cp-vni> <vni-assignment-mode> <dci-fabric-location> [<stale-timer>] }] [{ <vni> <learn-src> <vni-gw-mac> <peer-type> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	Show peers
interface	(Optional) Interface
nve-if	(Optional) NVE interface
detail	(Optional) Detailed information
peer-ip	(Optional) Show a specific peer
user-peer-ip	(Optional) Remote Peer IP address
control-plane	(Optional) Show peers learned via control plane
data-plane	(Optional) Show peers learned via data plane
control-plane-vni	(Optional) Show details of control plane vnis
vni	(Optional) VNI ID
vni-id	(Optional) Virtual Network Identifier
controller	(Optional) Show peers configured by controller
__readonly__	(Optional)
detail	(Optional) detail
control-plane-vni	(Optional) control-plane-vni
TABLE_nve_peers	(Optional) schema peer
if-name	(Optional) if-name
peer-ip	(Optional) peer-ip
peer-state	(Optional) peer-state
learn-type	(Optional) learn-type
uptime	(Optional) uptime

router-mac	(Optional) router-mac
first-vni	(Optional) first-vni
create-ts	(Optional) create-timestamp
config-vnis	(Optional) config-vnis
provision-state	(Optional) provision-state
cp-vni	(Optional) cp-vni
vni-assignment-mode	(Optional) vni assignment mode
dci-fabric-location	(Optional) dci-fabric-location
stale-timer	(Optional) stale-timer
vni	(Optional) vni value
learn-src	(Optional) learn source
vni-gw-mac	(Optional) vni gateway mac
peer-type	(Optional) peer location wan/fabric

Command Mode

- /exec

show nve peers interface counters

show nve peers <addr> interface <nve-if> counters [__readonly__ <peer-ip> <tx_ucastpkts> <tx_ucastbytes> <tx_mcastpkts> <tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes> <rx_mcastpkts> <rx_mcastbytes>]

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
addr	Remote Peer IP Address
counters	Counters
interface	Interface
nve-if	NVE interface
__readonly__	(Optional)
peer-ip	(Optional)
tx_ucastpkts	(Optional)
tx_ucastbytes	(Optional)
tx_mcastpkts	(Optional)
tx_mcastbytes	(Optional)
rx_ucastpkts	(Optional)
rx_ucastbytes	(Optional)
rx_mcastpkts	(Optional)
rx_mcastbytes	(Optional)

Command Mode

- /exec

show nve peers vni interface counters

show nve peers { <addr> | all } vni { <vni-id> | all } interface <nve-if> counters [__readonly__ TABLE_nve_peer_vni_counters <peer-ip> <vni> <tx_ucastpkts> <tx_ucastbytes> <tx_mcastpkts> <tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes> <rx_mcastpkts> <rx_mcastbytes>]

Syntax Description

show	Display NVE information
nve	Configure NVE information
peers	NVE Peer
addr	Remote Peer IP Address
all	Show counters for all peers/VNIs
vni	Virtual Network Identifier
vni-id	Virtual Network Identifier
counters	Counters
interface	Interface
nve-if	NVE interface
__readonly__	(Optional)
TABLE_nve_peer_vni_counters	(Optional)
peer-ip	(Optional)
vni	(Optional)
tx_ucastpkts	(Optional)
tx_ucastbytes	(Optional)
tx_mcastpkts	(Optional)
tx_mcastbytes	(Optional)
rx_ucastpkts	(Optional)
rx_ucastbytes	(Optional)
rx_mcastpkts	(Optional)
rx_mcastbytes	(Optional)

Command Mode

- /exec

show nve replication-servers

show nve replication-servers [__readonly__ [TABLE_nve_replication_servers <if-name> [{ <server-ip> <server-state> <server-ready> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
replication-servers	replication-servers
__readonly__	(Optional)
TABLE_nve_replication_servers	(Optional) replcation servers schema
if-name	(Optional) if-name
server-ip	(Optional) Server IP address
server-state	(Optional) Server reachability state
server-ready	(Optional) Server ready state

Command Mode

- /exec

show nve vni

show nve vni [{ { interface <nve-if> | <vni-id> } [detail] } | control-plane | data-plane | summary | controller] [__readonly__ [TABLE_nve_vni [[<detail>] [<if-name> <vni> <mcast> <vni-state> <mode> <type> <flags> [{ <prvsn-state> <vlan-bd> <svi-state> <vpc-compat-check> }]]] [[<summary>] <cp-vni-count> <cp-vni-up> <cp-vni-down> <dp-vni-count> <dp-vni-up> <dp-vni-down>]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
vni-id	(Optional) Virtual Network Identifier
interface	(Optional) Interface
nve-if	(Optional) NVE interface
detail	(Optional) Detailed information
control-plane	(Optional) show vni learned via BGP
data-plane	(Optional) show vni learned via data plane
summary	(Optional) show vni summary
controller	(Optional) show vni configured by controller
__readonly__	(Optional)
TABLE_nve_vni	(Optional) vni schema
detail	(Optional) detail
if-name	(Optional) if-name
vni	(Optional) vni
mcast	(Optional) mcast
vni-state	(Optional) vni-state
mode	(Optional) vni-mode
type	(Optional) vni-type
flags	(Optional) vni-flags
prvsn-state	(Optional) provision-state
vlan-bd	(Optional) vlan-bd

svi-state	(Optional) svi-state
vpc-compat-check	(Optional) vpc-compat-check
summary	(Optional) summary
cp-vni-count	(Optional) CP vni count
cp-vni-up	(Optional) CP vni up count
cp-vni-down	(Optional) CP vni down count
dp-vni-count	(Optional) DP vni count
dp-vni-up	(Optional) DP vni up count
dp-vni-down	(Optional) DP vni down count

Command Mode

- /exec

show nve vni counters

show nve vni <vni-id> counters [__readonly__ <vni> <tx_ucastpkts> <tx_ucastbytes> <tx_mcastpkts> <tx_mcastbytes> <rx_ucastpkts> <rx_ucastbytes> <rx_mcastpkts> <rx_mcastbytes>]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
vni-id	Virtual Network Identifier
counters	Counters
__readonly__	(Optional)
vni	(Optional)
tx_ucastpkts	(Optional)
tx_ucastbytes	(Optional)
tx_mcastpkts	(Optional)
tx_mcastbytes	(Optional)
rx_ucastpkts	(Optional)
rx_ucastbytes	(Optional)
rx_mcastpkts	(Optional)
rx_mcastbytes	(Optional)

Command Mode

- /exec

show nve vni ingress-replication

show nve vni ingress-replication [{ interface <nve-if> | <vni-id> }] [__readonly__ [TABLE_nve_vni_ingr_repl <if-name> <vni> [{ <repl-ip> <source> <up-time> }] +]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
ingress-replication	ingress-replication
vni-id	(Optional) Virtual Network Identifier
interface	(Optional) Interface
nve-if	(Optional) NVE interface
__readonly__	(Optional)
TABLE_nve_vni_ingr_repl	(Optional) vni ingress repl schema
if-name	(Optional) if-name
vni	(Optional) vni
repl-ip	(Optional) Replication List
source	(Optional) Source
up-time	(Optional) Up Time

Command Mode

- /exec

show nve vni peer-vtep

show nve vni peer-vtep [{ interface <nve-if> | <vni-id> }] [__readonly__ [TABLE_nve_vni_peer_vtep <if-name> <vni> [{ <vtep-ip> <source> <up-time> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vni	Virtual Network Identifier
peer-vtep	Show static peer-vtep configured per vni
vni-id	(Optional) Virtual Network Identifier
interface	(Optional) Interface
nve-if	(Optional) NVE interface
__readonly__	(Optional)
TABLE_nve_vni_peer_vtep	(Optional) vni peer vtep schema
if-name	(Optional) if-name
vni	(Optional) vni
vtep-ip	(Optional) VTEP List
source	(Optional) Source
up-time	(Optional) Up Time

Command Mode

- /exec

show nve vrf

show nve vrf [vrf-name] [__readonly__ [TABLE_nve_vrf <vrf-name> <vni> <if-name> <gateway-mac> [{ <ipv4-tblid> <ipv6-tblid> <vni-sw-bd> <flags> }]]]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vrf	VRF name
vrf-name	(Optional) vrf name
__readonly__	(Optional)
TABLE_nve_vrf	(Optional) vrf schema
vrf-name	(Optional) vrf-name
vni	(Optional) vni
if-name	(Optional) if-name
gateway-mac	(Optional) gateway-mac
ipv4-tblid	(Optional) ipv4-table-id
ipv6-tblid	(Optional) ipv6-table-id
vni-sw-bd	(Optional) vni-sw-bd
flags	(Optional) flags

Command Mode

- /exec

show nve vxlan-params

show nve vxlan-params [__readonly__ <vxlan-port>]

Syntax Description

show	Display NVE information
nve	Configure NVE information
vxlan-params	VxLAN Parameters
__readonly__	(Optional)
vxlan-port	(Optional) vxlan-params

Command Mode

- /exec

show nxapi-server logs

show nxapi-server logs

Syntax Description

show	Show running system information
nxapi-server	Show NX-API Server
logs	Show NX-API Server logs

Command Mode

- /exec

show nxapi

show nxapi [__readonly__ <nxapi_status> [configuration_error <c_error>] [<http_port>] [<https_port>]]

Syntax Description

show	Show running system information
nxapi	Show nxapi status
__readonly__	(Optional)
nxapi_status	(Optional) NX-API enabled status
configuration_error	(Optional) config syntax error
c_error	(Optional) confg syntax error
http_port	(Optional) Configured HTTP port
https_port	(Optional) Configured HTTPS port

Command Mode

- /exec

O Show Commands

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show object-group

show object-group [<name>] [__readonly__ TABLE_ogroup <group_type> <group_name> [TABLE_seqno <seqno> { <_port_op> <port0_num> | <_port_range> <port1_num> <port2_num> | <hostaddr> | <net_ip> | <mask_ip_addr> <mask_ip_mask> | <hostipv6> | <net_ipv6> | <mask_ipv6_addr> <mask_ipv6_mask> }]]

Syntax Description

show	Show running system information
object-group	Show configured ACL object groups
name	(Optional) object-group name
__readonly__	(Optional)
group_type	(Optional) Object group type
group_name	(Optional) Object group name
seqno	(Optional) Sequence number
TABLE_ogroup	(Optional)
TABLE_seqno	(Optional)
_port_op	(Optional) Port operator
_port_range	(Optional) Port range
port0_num	(Optional) Port number
port1_num	(Optional) Port number
port2_num	(Optional) Port number
net_ip	(Optional) A.B.C.D Network address of object-group member
hostaddr	(Optional) A.B.C.D Host address
mask_ip_addr	(Optional) A.B.C.D IP address
mask_ip_mask	(Optional) A.B.C.D IP address mask

Command Mode

- /exec

show openflow hardware capabilities

show openflow hardware capabilities [pipeline <pipeline-id>]

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
hardware	Hardware
capabilities	Capabilities
pipeline	(Optional) Pipeline id
pipeline-id	(Optional) Pipeline id

Command Mode

- /exec

show openflow switch

show openflow switch <switch-id> [{ controllers [stats | { role { master | slave | equal } }] | ports }] [__readonly__ <cli_output> <ctrlv4> <ctrlport>]

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
switch	Logical switch id
switch-id	Logical switch-id to enter
controllers	(Optional) Controllers
stats	(Optional) Stats
ports	(Optional) Ports
role	(Optional) Controller role
master	(Optional) Master
slave	(Optional) Slave
equal	(Optional) Equal
__readonly__	(Optional)
cli_output	(Optional)
ctrlv4	(Optional)
ctrlport	(Optional)

Command Mode

- /exec

show openflow switch flows

show openflow switch <switch-id> flows [[table-id <table-id>] [[pending | pending-del | controller | configured | default | fixed] [brief | list | summary]] | stats]

Syntax Description

show	Show running system information
openflow	Show OpenFlow information
switch	Logical switch id
switch-id	Logical switch-id to enter
flows	Flows
brief	(Optional) Brief
summary	(Optional) Summary
pending	(Optional) Pending
pending-del	(Optional) Pending delete
controller	(Optional) Controller
configured	(Optional) Configured
default	(Optional) Default
fixed	(Optional) Fixed
stats	(Optional) Stats
table-id	(Optional) Table-id for the pipeline
list	(Optional) List
table-id	(Optional) Table ID

Command Mode

- /exec

show ospfv3

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <instance_number> <cname> <rid> <stateful_ha> <gr_ha> [[<gr_planned_only>] [<gr_notify_period>] [<gr_grace_period>] [<gr_state>] [<gr_last_status>]] [<gr_helper_mode>] <support_tos0_only> <support_opaque_lsa> [<low_mem_cond>] <is_abr> <is_asbr> [<max_lsa_non_self_number>] [<max_lsa_state>] [<max_lsa_warning_only>] [<max_lsa_current_non_self_lsa_number>] [<max_lsa_threshold_pct>] [<max_lsa_ignore_time>] [<max_lsa_reset_time>] [<max_lsa_ignore_count>] [<max_lsa_current_ignore_count>] [<max_lsa_ignore_time_left>] [<max_lsa_reset_time_left>] [<max_lsa_permanent_ignore>] [<ipsec_sa_type>] [<ipsec_sa_algorithm>] [<ipsec_sa_spi>] [{ TABLE_redist <proto> [<max_lsas>] [<warning>] [<threshold>] [<current_count>] }] <admin_dist> <ref_bw> <spf_start_time> <spf_hold_time> <spf_max_time> <lsa_start_time> <lsa_hold_time> <lsa_max_time> <min_lsa_arr_time> <lsa_aging_pace> <spf_max_paths> <max_metric_adver> [[<max_metric_time_left>] [<max_metric_wait_bgp>] [<max_metric_timeout>] [<max_metric_always>] [<max_metric_sum_lsa>] [<max_metric_ext_lsa>]] <asext_lsa_cnt> <asext_lsa_crc> <area_total> <area_normal> <area_stub> <area_nssa> <act_area_total> <act_area_normal> <act_area_stub> <act_area_nssa> <no_discard_rt_ext> <no_discard_rt_int> [<bfd_enabled>] [<passive_dflt>] [<name_lookup>] [{ TABLE_area <aname> [<backbone_active>] [<active>] <age> <total_intf> <act_intf> <passive_intf> <loopback_intf> [<gr_nbr_cnt>] <stub> [<stub_def_cost>] <nssa> [<no_redist>] [<nssa_trans>] <no_summary> <spf_runs> <last_spf_run_time> [<rtr_lsa_throt>] [<ipsec_sa_type>] [<ipsec_sa_algorithm>] [<ipsec_sa_spi>] [TABLE_range <addr> <masklen> <state> <nets> <advertise> [<cost>]] [<filter_in>] [<filter_out>] <lsa_cnt> <lsa_crc> }]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
instance_number	(Optional)
cname	(Optional)
rid	(Optional)

stateful_ha	(Optional)
gr_ha	(Optional)
gr_planned_only	(Optional)
gr_notify_period	(Optional)
gr_grace_period	(Optional)
gr_state	(Optional)
gr_last_status	(Optional)
gr_helper_mode	(Optional)
support_tos0_only	(Optional)
support_opaque_lsa	(Optional)
low_mem_cond	(Optional)
is_abr	(Optional)
is_asbr	(Optional)
max_lsa_non_self_number	(Optional)
max_lsa_state	(Optional)
max_lsa_warning_only	(Optional)
max_lsa_current_non_self_lsa_number	(Optional)
max_lsa_threshold_pct	(Optional)
max_lsa_ignore_time	(Optional)
max_lsa_reset_time	(Optional)
max_lsa_ignore_count	(Optional)
max_lsa_current_ignore_count	(Optional)
max_lsa_ignore_time_left	(Optional)
max_lsa_reset_time_left	(Optional)
max_lsa_permanent_ignore	(Optional)
ipsec_sa_type	(Optional) IPsec SA Type
ipsec_sa_algorithm	(Optional) IPsec SA Algorithm name
ipsec_sa_spi	(Optional) IPsec SA SPI Value
TABLE_redist	(Optional)

proto	(Optional)
max_lsas	(Optional)
warning	(Optional)
threshold	(Optional)
current_count	(Optional)
admin_dist	(Optional)
ref_bw	(Optional)
spf_start_time	(Optional)
spf_hold_time	(Optional)
spf_max_time	(Optional)
lsa_start_time	(Optional)
lsa_hold_time	(Optional)
lsa_max_time	(Optional)
min_lsa_arr_time	(Optional)
lsa_aging_pace	(Optional)
spf_max_paths	(Optional)
max_metric_adver	(Optional)
max_metric_time_left	(Optional)
max_metric_wait_bgp	(Optional)
max_metric_timeout	(Optional)
max_metric_always	(Optional)
max_metric_sum_lsa	(Optional)
max_metric_ext_lsa	(Optional)
asext_lsa_cnt	(Optional)
asext_lsa_crc	(Optional)
area_total	(Optional)
area_normal	(Optional)
area_stub	(Optional)
area_nssa	(Optional)

act_area_total	(Optional)
act_area_normal	(Optional)
act_area_stub	(Optional)
act_area_nssa	(Optional)
bfd_enabled	(Optional)
passive_dflt	(Optional)
name_lookup	(Optional)
no_discard_rt_ext	(Optional)
no_discard_rt_int	(Optional)
TABLE_area	(Optional)
aname	(Optional)
backbone_active	(Optional)
active	(Optional)
age	(Optional)
total_intf	(Optional)
act_intf	(Optional)
passive_intf	(Optional)
loopback_intf	(Optional)
gr_nbr_cnt	(Optional)
stub	(Optional)
stub_def_cost	(Optional)
nssa	(Optional)
no_redist	(Optional)
nssa_trans	(Optional)
no_summary	(Optional)
spf_runs	(Optional)
last_spf_run_time	(Optional)
rtr_lsa_throt	(Optional)
ipsec_sa_type	(Optional) IPsec SA Type

ipsec_sa_algorithm	(Optional) IPsec SA Algorithm name
ipsec_sa_spi	(Optional) IPsec SA SPI Value
TABLE_range	(Optional)
masklen	(Optional)
state	(Optional)
nets	(Optional)
advertise	(Optional)
cost	(Optional)
filter_in	(Optional)
filter_out	(Optional)
lsa_cnt	(Optional)
lsa_crc	(Optional)

Command Mode

- /exec

show ospfv3 border-routers

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] border-routers [all_routes] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_br <type> <addr> <cost> <asbr> <abr> <area> <spf_inst> [<vlink_unresolved>] [TABLE_br_ubest_nh [<ubest_nh_addr>] [<ubest_nh_intf>]] [TABLE_br_mbest_nh [<mbest_nh_addr>] [<mbest_nh_intf>]]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
border-routers	Border routers
all_routes	(Optional) Display all OSPFv3 routes
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_br	(Optional)
type	(Optional)
addr	(Optional)
cost	(Optional)
asbr	(Optional)
abr	(Optional)
area	(Optional)
spf_inst	(Optional)
vlink_unresolved	(Optional)

TABLE_br_ubest_nh	(Optional)
ubest_nh_intf	(Optional)
TABLE_br_mbest_nh	(Optional)
mbest_nh_intf	(Optional)

Command Mode

- /exec

show ospfv3 database

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] database [[[[router | network | intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [[{ link | link-unknown | grace } [<interface>]]]] [area <area-id-ip>]] | external [tag <tag_val>] | as-unknown] [<lsid>] [self-originated | adv-router <advid> | adv-router-name <adv-name>]] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [TABLE_db3_lsa [<name>] [<area>] [<id>] [<advrtr>] [<age>] [<seqno>] [<corrupt>] [<rtr_num_links>] [<net_num_rtr>] [<prefix>] [<inter_rid>] [<link_if>] [<intra_ref_type>] [<intra_ref_lsid>]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs
external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
interface	(Optional) OSPF enabled interface

intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs
self-originated	(Optional) Display only self-originated LSAs
lsid	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
advid	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
adv-name	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
area-id-ip	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
tag_val	(Optional) 32-bit tag value
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_db3_lsa	(Optional)
name	(Optional)
area	(Optional)
id	(Optional)
advrtr	(Optional)
age	(Optional)
seqno	(Optional)
corrupt	(Optional)
rtr_num_links	(Optional)
net_num_rtr	(Optional)
inter_rid	(Optional)
link_if	(Optional)
intra_ref_type	(Optional)

intra_ref_lsid	(Optional)

Command Mode

- /exec

show ospfv3 database database-summary

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] database database-summary [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [TABLE_dbsum [TABLE_dbsum_area <area> [TABLE_dbsum_area_lsa <area_lsa_name> <area_lsa_count>] <area_lsa_total>] [TABLE_dbsum_all [TABLE_dbsum_lsa_all <lsa_name> <lsa_count>] <non_self_lsa_total> <lsa_total>]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
database-summary	Summary of database
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_dbsum	(Optional)
TABLE_dbsum_area	(Optional)
area	(Optional)
TABLE_dbsum_area_lsa	(Optional)
area_lsa_name	(Optional)
area_lsa_count	(Optional)
area_lsa_total	(Optional)
TABLE_dbsum_all	(Optional)

TABLE_dbsum_lsa_all	(Optional)
lsa_name	(Optional)
lsa_count	(Optional)
non_self_lsa_total	(Optional)
lsa_total	(Optional)

Command Mode

- /exec

show ospfv3 database detail

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] database [[[router | network | intra-area-prefix | inter-area { irouter | iprefix } | nssa-external | area-unknown | [[{ link | link-unknown | grace } [<interface>]]]] [area <area-id-ip>]] | external [tag <tag_val>] | as-unknown] [<lsid>] [self-originated | adv-router <advid> | adv-router-name <adv-name>] detail [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <rid> <ptag> <cname> [TABLE_db3_lsa [<name>] [<area>] [TABLE_lsdb <age> <maxage> <wrapping> <dummy> <flush_pending> <type> [<intf>] <id> <advrtr> <seqno> <cksum> <len> [<corrupt>] [<rtr_abr>] [<rtr_asbr>] [<rtr_translate>] [<rtr_vlink_end>] [<rtr_options>] [<rtr_num_links>] [TABLE_rlsa [<rtr_link_type>] [<rtr_link_metric>] [<rtr_link_ifid>] [<rtr_link_nbr_ifid>] [<rtr_link_nbr_rid>]] [<net_options>] [TABLE_nlsa [<net_rtr>]] [<ia_prefix>] [<ia_prefix_options>] [<ia_prefix_metric>] [<ia_rtr_options>] [<ia_rtr_metric>] [<ia_rtr_rid>] [<asext_prefix>] [<asext_options>] [<asext_metric_type2>] [<asext_metric>] [<asext_fwd_addr>] [<asext_tag>] [<asext_ref_lstype>] [<asext_ref_lsid>] [<link_priority>] [<link_options>] [<link_laddr>] [<link_num_prefix>] [TABLE_linklsa [<link_prefix>] [<link_prefix_options>]] [<intra_num_prefix>] [<intra_ref_lstype>] [<intra_ref_lsid>] [<intra_ref_advrtr>] [TABLE_iaplsa [<intra_prefix>] [<intra_prefix_options>] [<intra_prefix_metric>] [<corrupted_length>]] [<tlv_type>] [<tlv_len>] [<tlv_data>] [<tlv_unknown>] [<gr_interval>] [<gr_reason>] [<unknown>] [<data_len>] [<data>]]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
database	Link-state Database Summary
router	(Optional) Display router LSAs
network	(Optional) Display network LSAs
inter-area	(Optional) Display inter-area LSAs
iprefix	(Optional) Display Inter-Area-Prefix LSAs
irouter	(Optional) Display Inter-Area-Router LSAs
nssa-external	(Optional) Display NSSA-external LSAs
area-unknown	(Optional) Display area-scope unknown LSAs

external	(Optional) Display AS-external LSAs
as-unknown	(Optional) Display as-scope unknown LSAs
grace	(Optional) Display Grace LSAs
link	(Optional) Display Link LSAs
link-unknown	(Optional) Display link-scope unknown LSAs
interface	(Optional) OSPF enabled interface
intra-area-prefix	(Optional) Display Intra-Area-Prefix LSAs
self-originated	(Optional) Display only self-originated LSAs
lsid	(Optional) Restrict display by link state ID
adv-router	(Optional) Restrict display by Advertising router
advid	(Optional) Advertising router ID
adv-router-name	(Optional) Restrict display by Advertising router name
adv-name	(Optional) DNS Name of the Advertising router
area	(Optional) Display only LSA's in this area
area-id-ip	(Optional) Area Id as an integer or ip address
tag	(Optional) Restrict display by tag
tag_val	(Optional) 32-bit tag value
detail	Display LSA in detail
__readonly__	(Optional)
TABLE_ctx	(Optional)
rid	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_db3_lsa	(Optional)
name	(Optional)
area	(Optional)
TABLE_lsdb	(Optional)
age	(Optional)
maxage	(Optional)

wrapping	(Optional)
dummy	(Optional)
flush_pending	(Optional)
type	(Optional)
intf	(Optional)
id	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
len	(Optional)
corrupt	(Optional)
rtr_abr	(Optional)
rtr_asbr	(Optional)
rtr_translate	(Optional)
rtr_vlink_end	(Optional)
rtr_options	(Optional)
rtr_num_links	(Optional)
TABLE_rlsa	(Optional)
rtr_link_type	(Optional)
rtr_link_metric	(Optional)
rtr_link_ifid	(Optional)
rtr_link_nbr_ifid	(Optional)
rtr_link_nbr_rid	(Optional)
net_options	(Optional)
TABLE_nlsa	(Optional)
net_rtr	(Optional)
ia_prefix_options	(Optional)
ia_prefix_metric	(Optional)
ia_rtr_options	(Optional)

ia_rtr_metric	(Optional)
ia_rtr_rid	(Optional)
asext_options	(Optional)
asext_metric_type2	(Optional)
asext_metric	(Optional)
asext_tag	(Optional)
asext_ref_lstype	(Optional)
asext_ref_lsid	(Optional)
link_priority	(Optional)
link_options	(Optional)
link_num_prefix	(Optional)
TABLE_linklsa	(Optional)
link_prefix_options	(Optional)
intra_num_prefix	(Optional)
intra_ref_lstype	(Optional)
intra_ref_lsid	(Optional)
intra_ref_advrtr	(Optional)
TABLE_iaplsa	(Optional)
intra_prefix_options	(Optional)
intra_prefix_metric	(Optional)
corrupted_length	(Optional)
tlv_type	(Optional)
tlv_len	(Optional)
tlv_data	(Optional)
tlv_unknown	(Optional)
gr_interval	(Optional)
gr_reason	(Optional)
unknown	(Optional)
data_len	(Optional)

data	(Optional)

Command Mode

- /exec

show ospfv3 event-history

show ospfv3 [<tag>] [internal] event-history { errors | msgs | statistics | adjacency | event | ha | flooding | lsa | spf | redistribution | hello | spf-trigger | cli | rib }

Syntax Description

show	Show running system information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Show various event logs of OSPF
errors	Error logs
msgs	IPC logs
statistics	Show the state and size of the buffers
adjacency	Adjacency formation logs
event	Internal event logs
ha	HA and GR logs
flooding	LSA flooding logs
lsa	LSA generation and databse logs
spf	SPF calculation logs
redistribution	Redistribution logs
hello	Hello related logs
spf-trigger	SPF TRIGGER related logs
cli	Cli logs
rib	RIB related logs

Command Mode

- /exec

show ospfv3 event-history detail

show ospfv3 [<tag>] [internal] event-history detail [statistics]

Syntax Description

show	Show running system information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
internal	(Optional) Commands for internal use
event-history	Show event history of OSPF
detail	Show detailed event history information
statistics	(Optional) Show the state and size of the verbose history buffer

Command Mode

- /exec

show ospfv3 ha

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] ha [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> <stateful> <pss_restored> <pss_state> <gr_enabled> <gr_grace_period> <gr_state> <gr_last_status> <gr_helper_mode>]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
ha	High Availability status
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
stateful	(Optional)
pss_restored	(Optional)
pss_state	(Optional)
gr_enabled	(Optional)
gr_grace_period	(Optional)
gr_state	(Optional)
gr_last_status	(Optional)
gr_helper_mode	(Optional)

Command Mode

- /exec

show ospfv3 interface

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] interface [<interface> | vrf { <vrf-name> | <vrf-known-name> | all }] [private] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_intf <ifname> <admin_status> <proto_status> <addr> [<masklen>] [<inst_id>] <area> [<if_cfg>] <state_str> <type_str> <cost> [<bfd_enabled>] <index> [<passive>] [<mpls>] [<transmit_delay>] [<if_priority>] [<dr_rid>] [<dr_addr>] [<bdr_rid>] [<bdr_addr>] [<nbr_total>] [<nbr_flood>] [<nbr_adjs>] [<gr_nbr>] [<hello_interval>] [<dead_interval>] [<wait_interval>] [<rxmt_interval>] [<hello_timer>] [<wait_timer>] [<pacing_timer>] [<lsu_timer>] [<lsack_timer>] [<netlsa_throt_timer>] [<link_lsa_cnt>] [<link_lsa_crc>] [<ipsec_sa_type>] [<ipsec_sa_algorithm>] [<ipsec_sa_spi>]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
interface	(Optional) OSPF enabled interface
private	(Optional) Developer-only statistics
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
admin_status	(Optional)
proto_status	(Optional)
masklen	(Optional)
inst_id	(Optional)

area	(Optional)
if_cfg	(Optional)
state_str	(Optional)
type_str	(Optional)
cost	(Optional)
bfd_enabled	(Optional)
index	(Optional)
passive	(Optional)
mpls	(Optional)
transmit_delay	(Optional)
if_priority	(Optional)
dr_rid	(Optional)
bdr_rid	(Optional)
nbr_total	(Optional)
nbr_flood	(Optional)
nbr_adjs	(Optional)
gr_nbr	(Optional)
hello_interval	(Optional)
dead_interval	(Optional)
wait_interval	(Optional)
rxmt_interval	(Optional)
hello_timer	(Optional)
wait_timer	(Optional)
pacing_timer	(Optional)
lsu_timer	(Optional)
lsack_timer	(Optional)
netlsa_throt_timer	(Optional)
link_lsa_cnt	(Optional)
link_lsa_crc	(Optional)

ipsec_sa_type	(Optional) IPsec SA Type
ipsec_sa_algorithm	(Optional) IPsec SA Algorithm name
ipsec_sa_spi	(Optional) IPsec SA SPI Value

Command Mode

- /exec

show ospfv3 interface brief

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] interface brief [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> <intf_count> TABLE_intf <ifname> <index> <area> <cost> <state_str> <nbr_total> <admin_status>]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
interface	OSPF enabled interface
brief	Display summary of OSPFv3 interfaces
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
intf_count	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
index	(Optional)
area	(Optional)
cost	(Optional)
state_str	(Optional)
nbr_total	(Optional)
admin_status	(Optional)

Command Mode

- /exec

show ospfv3 lsa-content-changed-list

show [ipv6] ospfv3 [<tag>] lsa-content-changed-list { <ip-addr> | <neighbor-name> } <interface> [__readonly__ [TABLE_ctx <ptag> <cname> [TABLE_lschg <nbr_rid> <intf> <nbr_addr> [TABLE_lsa [<type>] [<lsid>] [<advrtr>] [<seqno>] [<cksum>] [<age>]]]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
lsa-content-changed-list	LSAs that changed contents
interface	OSPF enabled interface
ip-addr	Neighbor router ID
neighbor-name	DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_lschg	(Optional)
nbr_rid	(Optional)
intf	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

Command Mode

- /exec

show ospfv3 memory

show [ipv6] ospfv3 [<tag>] memory [__readonly__ TABLE_mem <ptag> <byte_total> <byte_consumed> <byte_overhead> <byte_allocated> <alloc_current> <alloc_created> <alloc_failed> <alloc_free> <bf_current> <bf_created> <bf_failed> <bf_free> <bf_byte_consumed> <bf_32_current> <bf_32_created> <bf_32_failed> <bf_32_free> <bf_32_byte_consumed> <slab_current> <slab_created> <slab_failed> <slab_free> <slab_byte_consumed> <if_index_alloc_failed> <nbr_index_alloc_failed>]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
memory	Memory usage statistics
__readonly__	(Optional)
TABLE_mem	(Optional)
ptag	(Optional)
byte_total	(Optional)
byte_consumed	(Optional)
byte_overhead	(Optional)
byte_allocated	(Optional)
alloc_current	(Optional)
alloc_created	(Optional)
alloc_failed	(Optional)
alloc_free	(Optional)
bf_current	(Optional)
bf_created	(Optional)
bf_failed	(Optional)
bf_free	(Optional)
bf_byte_consumed	(Optional)
bf_32_current	(Optional)
bf_32_created	(Optional)

bf_32_failed	(Optional)
bf_32_free	(Optional)
bf_32_byte_consumed	(Optional)
slab_current	(Optional)
slab_created	(Optional)
slab_failed	(Optional)
slab_free	(Optional)
slab_byte_consumed	(Optional)
if_index_alloc_failed	(Optional)
nbr_index_alloc_failed	(Optional)

Command Mode

- /exec

show ospfv3 neighbors

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] neighbors [{ { <interface> [<neighbor> | <neighbor-name>] } | { [<neighbor> | <neighbor-name>] [vrf { <vrf-name> | <vrf-known-name> | all }] } }] [__readonly__ TABLE_ctx <ptag> <cname> <nbrcount> [TABLE_nbr <rid> <priority> <state> <drstate> <uptime> <ifid> <intf> [<multiarea>] <addr>]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
neighbor-name	(Optional) DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
nbrcount	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
priority	(Optional)
state	(Optional)
drstate	(Optional)
uptime	(Optional)

ifid	(Optional)
intf	(Optional)
multiarea	(Optional)

Command Mode

- /exec

show ospfv3 neighbors detail

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] neighbors [<interface>] [<neighbor>] detail [vrf { <vrf-name> | <vrf-known-name> | all }] [private] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_nbr <rid> <addr> <area> <intf> <state> <transition> <lastchange> [<bfd_state>] [<priority>] [<ifid>] [<dr>] [<bdr>] [<master>] [<seqno>] [<dbdallsentacked>] [<dbdallsent>] [<dbdallacked>] [<lsaonreqlist>] [<lsafromlastreq>] [<lsreqrxmts>] <helloptions> <dbdoptions> <lastnonhello> [<deadtimer>] [<pacingtimer>] [<dbdrxmtimer>] [<reqrxmtimer>] [<lsutimer>] [<rerxmtimer>] [<fastrerxmtimer>] [<lsacktimer>] [<grtimer>] [<helpermode>] [<helpercand>] [<helperterm>] [<senddbd>] [<sendlsreq>] [<sendlsu>] [<sendlsurxmt>] [<sendlsack>] [<sendlsreqreply>]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
neighbor	(Optional) Router ID of neighbor
detail	Show detailed neighbor display
private	(Optional) Developer-only statistics
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_nbr	(Optional)
rid	(Optional)
area	(Optional)
intf	(Optional)

state	(Optional)
transition	(Optional)
lastchange	(Optional)
bfd_state	(Optional)
priority	(Optional)
ifid	(Optional)
dr	(Optional)
bdr	(Optional)
master	(Optional)
seqno	(Optional)
dbdallsentacked	(Optional)
dbdallsent	(Optional)
dbdallacked	(Optional)
lsaonreqlist	(Optional)
lsafromlastreq	(Optional)
lsreqrxmts	(Optional)
helloptions	(Optional)
dbdoptions	(Optional)
lastnonhello	(Optional)
deadtimer	(Optional)
pacingtimer	(Optional)
dbdrxmtimer	(Optional)
reqrxmtimer	(Optional)
lsutimer	(Optional)
rerxmtimer	(Optional)
fastrerxmtimer	(Optional)
lsacktimer	(Optional)
grtimer	(Optional)
helpermode	(Optional)

helpercand	(Optional)
helperterm	(Optional)
senddbd	(Optional)
sendlsreq	(Optional)
sendlsu	(Optional)
sendlsurxmt	(Optional)
sendlsack	(Optional)
sendlsreqreply	(Optional)

Command Mode

- /exec

show ospfv3 neighbors summary

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] neighbors [<interface>] summary [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> TABLE_intf { <ifname> | <total> } <down> <attempt> <init> <twoway> <exstart> <exchange> <loading> <full> <if_total>]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
neighbors	Neighbor list
interface	(Optional) OSPF enabled interface
summary	Summary of neighbors
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_intf	(Optional)
ifname	(Optional)
total	(Optional)
down	(Optional)
attempt	(Optional)
init	(Optional)
twoway	(Optional)
exstart	(Optional)

exchange	(Optional)
loading	(Optional)
full	(Optional)
if_total	(Optional)

Command Mode

- /exec

show ospfv3 policy statistics

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] policy statistics { { redistribute { bgp <as> | { isis | rip } <tag> | static | direct | amt } } | { area <area-id-ip> filter-list { in | out } } } [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
policy	Display Policy related information
statistics	Display Route Filter statistics
redistribute	Statistics for redistribution
rip	Routing Information Protocol (RIP)
isis	ISO Intermediate-to-Intermediate (IS-IS)
bgp	Border Gateway Protocol (BGP)
as	Autonomous system number
static	Static
direct	Directly connected
amt	AMT anycast prefix
area	Configure area properties
area-id-ip	Area Id as an integer or ip address
filter-list	Filter prefixes between OSPF areas
in	Filter networks sent to this area
out	Filter networks sent from this area
tag	

Command Mode

- /exec

show ospfv3 request-list

show [ipv6] ospfv3 [<tag>] request-list { <ip-addr> | <neighbor-name> } <interface> [__readonly__ [TABLE_ctx <ptag> <cname> [TABLE_lsreq <nbr_rid> <intf> <nbr_addr> <total> [TABLE_lsa [<type>] [<lsid>] [<advrtr>] [<seqno>] [<cksum>] [<age>]]]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
request-list	Link state request list
interface	OSPF enabled interface
ip-addr	Neighbor router ID
neighbor-name	DNS Name of the neighbor
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_lsreq	(Optional)
nbr_rid	(Optional)
intf	(Optional)
total	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

Command Mode

- /exec

show ospfv3 retransmission-list

show [ipv6] ospfv3 [<tag>] retransmission-list { <routerid> | <router-name> } <interface> [__readonly__ [TABLE_ctx <ptag> <cname> [TABLE_rxmit <nbr_rid> <intf> <nbr_addr> [<timer_running>] [<timer_due>] [TABLE_lsa [<type>] [<lsid>] [<advrtr>] [<seqno>] [<cksum>] [<age>]]]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
retransmission-list	Link state retransmission list
routerid	Neighbor router ID
router-name	DNS Name of the router
interface	OSPF enabled interface
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_rxmit	(Optional)
nbr_rid	(Optional)
intf	(Optional)
timer_running	(Optional)
timer_due	(Optional)
TABLE_lsa	(Optional)
type	(Optional)
lsid	(Optional)
advrtr	(Optional)
seqno	(Optional)
cksum	(Optional)
age	(Optional)

Command Mode

- /exec

show ospfv3 route

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] route [<ipv6-prefix> [longer-prefixes]] [all_routes] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [<hdr_addr>] [<hdr_masklen>] [TABLE_route <addr> <masklen> <type> <in_rib> <direct> [<area>] [<tag>] [<vlink_unresolved>] [TABLE_route_ubest_nh [<ubest_nh_addr>] [<ubest_nh_intf>] [<ubest_cost>] [<distance>] [<ubest_nh_direct>] [<ubest_nh_in_rib>]] [TABLE_route_mbest_nh [<mbest_nh_addr>] [<mbest_nh_intf>] [<mbest_cost>] [<mbest_nh_direct>] [<mbest_nh_in_rib>]]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
all_routes	(Optional) Display all OSPFv3 routes
tag	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
hdr_masklen	(Optional)
TABLE_route	(Optional)
masklen	(Optional)
type	(Optional)
in_rib	(Optional)
direct	(Optional)

area	(Optional)
vlink_unresolved	(Optional)
TABLE_route_ubest_nh	(Optional)
ubest_nh_intf	(Optional)
ubest_cost	(Optional)
distance	(Optional)
ubest_nh_direct	(Optional)
ubest_nh_in_rib	(Optional)
TABLE_route_mbest_nh	(Optional)
mbest_nh_intf	(Optional)
mbest_cost	(Optional)
mbest_nh_direct	(Optional)
mbest_nh_in_rib	(Optional)

Command Mode

- /exec

show ospfv3 route summary

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] route [<ipv6-prefix> [longer-prefixes]] summary [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_route <total_routes> <total_paths> [TABLE_route_type <path_type> <path_routes> <path_paths>] [TABLE_route_masklen <masklen> <masklen_routes> <masklen_paths>]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
route	Internal OSPF routes
longer-prefixes	(Optional) Show exact match and more specific routes
summary	Show route counts
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_route	(Optional)
total_routes	(Optional)
total_paths	(Optional)
TABLE_route_type	(Optional)
path_type	(Optional)
path_routes	(Optional)
path_paths	(Optional)
TABLE_route_masklen	(Optional)

masklen	(Optional)
masklen_routes	(Optional)
masklen_paths	(Optional)

Command Mode

- /exec

show ospfv3 statistics

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_stats <ptag> <cname> <last_clear> <rid_change> <dr_elections> <older_lsa_recv> <nbr_state_change> <nbr_dead_postpone> <nbr_dead_expire> <nbr_bad_lsreq> <nbr_seqno_mismatch> <spf_full> <spf_summary> <spf_external> <spf_extsummary> <rtr_generate> <rtr_refresh> <rtr_flush> <rtr_other_flush> <net_generate> <net_refresh> <net_flush> <net_other_flush> <inter_prefix_generate> <inter_prefix_refresh> <inter_prefix_flush> <inter_prefix_other_flush> <inter_router_generate> <inter_router_refresh> <inter_router_flush> <inter_router_other_flush> <asext_generate> <asext_refresh> <asext_flush> <asext_other_flush> <link_generate> <link_refresh> <link_flush> <link_other_flush> <intra_prefix_generate> <intra_prefix_refresh> <intra_prefix_flush> <intra_prefix_other_flush> <unknown_generate> <unknown_refresh> <unknown_flush> <unknown_other_flush> <limbo_lsa_count> <limbo_lsa_hwm> <limbo_lsa_deleted> <limbo_lsa_revived> <limbo_runs> <limbo_lsa_last_time_hwm> [<limbo_timer>] <helloq_size> <helloq_max_size> <helloq_hwm> <helloq_drops> <helloq_last_hwm_time> <floodq_size> <floodq_max_size> <floodq_hwm> <floodq_drops> <floodq_last_hwm_time> <lsdb_add_fail> [TABLE_buffer_detail [<buf_size>] [<buf_size_huge>] <buf_in_use> <buf_hwm> <buf_perm> <buf_alloc> <buf_free>]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
statistics	Event counters
__readonly__	(Optional)
TABLE_stats	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
rid_change	(Optional)
dr_elections	(Optional)
older_lsa_recv	(Optional)

nbr_state_change	(Optional)
nbr_dead_postpone	(Optional)
nbr_dead_expire	(Optional)
nbr_bad_lsreq	(Optional)
nbr_seqno_mismatch	(Optional)
spf_full	(Optional)
spf_summary	(Optional)
spf_external	(Optional)
spf_extsummary	(Optional)
rtr_generate	(Optional)
rtr_refresh	(Optional)
rtr_flush	(Optional)
rtr_other_flush	(Optional)
net_generate	(Optional)
net_refresh	(Optional)
net_flush	(Optional)
net_other_flush	(Optional)
inter_prefix_generate	(Optional)
inter_prefix_refresh	(Optional)
inter_prefix_flush	(Optional)
inter_prefix_other_flush	(Optional)
inter_router_generate	(Optional)
inter_router_refresh	(Optional)
inter_router_flush	(Optional)
inter_router_other_flush	(Optional)
asext_generate	(Optional)
asext_refresh	(Optional)
asext_flush	(Optional)
asext_other_flush	(Optional)

link_generate	(Optional)
link_refresh	(Optional)
link_flush	(Optional)
link_other_flush	(Optional)
intra_prefix_generate	(Optional)
intra_prefix_refresh	(Optional)
intra_prefix_flush	(Optional)
intra_prefix_other_flush	(Optional)
unknown_generate	(Optional)
unknown_refresh	(Optional)
unknown_flush	(Optional)
unknown_other_flush	(Optional)
limbo_lsa_count	(Optional)
limbo_lsa_hwm	(Optional)
limbo_lsa_deleted	(Optional)
limbo_lsa_revived	(Optional)
limbo_runs	(Optional)
limbo_lsa_last_time_hwm	(Optional)
limbo_timer	(Optional)
helloq_size	(Optional)
helloq_max_size	(Optional)
helloq_hwm	(Optional)
helloq_drops	(Optional)
helloq_last_hwm_time	(Optional)
floodq_size	(Optional)
floodq_max_size	(Optional)
floodq_hwm	(Optional)
floodq_drops	(Optional)
floodq_last_hwm_time	(Optional)

lsdb_add_fail	(Optional)
TABLE_buffer_detail	(Optional)
buf_size	(Optional)
buf_size_huge	(Optional)
buf_in_use	(Optional)
buf_hwm	(Optional)
buf_perm	(Optional)
buf_alloc	(Optional)
buf_free	(Optional)

Command Mode

- /exec

show ospfv3 summary-address

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] summary-address [private] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_ctx <ptag> <cname> <rid> [TABLE_sum <addr> <masklen> [<metric>] [<tag>] [<pending>]]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
summary-address	Summary-address redistribution information
private	(Optional) Developer-only statistics
tag	(Optional)
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
rid	(Optional)
TABLE_sum	(Optional)
masklen	(Optional)
metric	(Optional)
pending	(Optional)

Command Mode

- /exec

show ospfv3 traffic

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] traffic [<interface> [detail] | [detail] | [detail] vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_traf <ptag> <cname> <last_clear> [<ifname>] <pkt_in> <pkt_out> <lsu_first_trans> <lsu_retrans> <lsu_for_lsreq> <lsu_nbr_trans> <throttle_out> <throttle_out_token> <throttle_out_ip> <lsa_ignored> <lsa_dropped_spf> <lsa_dropped_gr> <pkt_drops_in> <pkt_drops_out> <pkt_errors_in> <pkt_errors_out> <hello_errors_in> <dbds_errors_in> <lsreqs_errors_in> <lsus_errors_in> <lsacks_errors_in> <pkt_unknown_in> <pkt_unknown_out> <pkt_no_ospf_intf> <bad_version> <bad_crc> <dup_rtr_id> <dup_src_addr> <invalid_src_addr> <invalid_dst_addr> <non_existing_nbr> <pkt_passive_intf> <wrong_area> <invalid_pkt_len> <nbr_changed_routerid_ipaddr> <nbr_changed_interfaceid> [<bad_auth>] [<bad_reserved>] [<pkt_no_vrf>] <hellos_in> <dbds_in> <lsreqs_in> <lsus_in> <lsacks_in> <hellos_out> <dbds_out> <lsreqs_out> <lsus_out> <lsacks_out> [<hellos_in_hq> <dbds_in_hq> <lsreqs_in_flq> <lsus_in_flq> <lsacks_in_flq> <lsas_in_dbds_in> <lsas_in_lsreqs_in> <lsas_in_lsus_in> <lsas_in_lsacks_in> <lsas_in_dbds_out> <lsas_in_lsreqs_out> <lsas_in_lsus_out> <lsas_in_lsacks_out> <lsas_in_rxmt_lsus_out>]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
interface	(Optional) OSPF enabled interface
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
traffic	Packet counters
__readonly__	(Optional)
TABLE_traf	(Optional)
ptag	(Optional)
cname	(Optional)
last_clear	(Optional)
ifname	(Optional)
pkt_in	(Optional)

pkt_out	(Optional)
lsu_first_trans	(Optional)
lsu_retrans	(Optional)
lsu_for_lsreq	(Optional)
lsu_nbr_trans	(Optional)
throttle_out	(Optional)
throttle_out_token	(Optional)
throttle_out_ip	(Optional)
lsa_ignored	(Optional)
lsa_dropped_spf	(Optional)
lsa_dropped_gr	(Optional)
pkt_drops_in	(Optional)
pkt_drops_out	(Optional)
pkt_errors_in	(Optional)
pkt_errors_out	(Optional)
hello_errors_in	(Optional)
dbds_errors_in	(Optional)
lsreqs_errors_in	(Optional)
lsus_errors_in	(Optional)
lsacks_errors_in	(Optional)
pkt_unknown_in	(Optional)
pkt_unknown_out	(Optional)
pkt_no_ospf_intf	(Optional)
bad_version	(Optional)
bad_crc	(Optional)
dup_rtr_id	(Optional)
dup_src_addr	(Optional)
invalid_src_addr	(Optional)
invalid_dst_addr	(Optional)

non_existing_nbr	(Optional)
pkt_passive_intf	(Optional)
wrong_area	(Optional)
invalid_pkt_len	(Optional)
nbr_changed_routerid_ipaddr	(Optional)
nbr_changed_interfaceid	(Optional)
bad_auth	(Optional)
bad_reserved	(Optional)
pkt_no_vrf	(Optional)
hellos_in	(Optional)
dbds_in	(Optional)
lsreqs_in	(Optional)
lsus_in	(Optional)
lsacks_in	(Optional)
hellos_out	(Optional)
dbds_out	(Optional)
lsreqs_out	(Optional)
lsus_out	(Optional)
lsacks_out	(Optional)
hellos_in_hq	(Optional)
dbds_in_hq	(Optional)
lsreqs_in_flq	(Optional)
lsus_in_flq	(Optional)
lsacks_in_flq	(Optional)
lsas_in_dbds_in	(Optional)
lsas_in_lsreqs_in	(Optional)
lsas_in_lsus_in	(Optional)
lsas_in_lsacks_in	(Optional)
lsas_in_dbds_out	(Optional)

lsas_in_lsreqs_out	(Optional)
lsas_in_lsus_out	(Optional)
lsas_in_lsacks_out	(Optional)
lsas_in_rxmt_lsus_out	(Optional)

Command Mode

- /exec

show ospfv3 virtual-links

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] virtual-links [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> [TABLE_vlink <name> <nbr_rid> <if_state> <transit_area> <nh_intf> <nbr_addr> [<transit_area_stub>] [<transit_area_nssa>] <addr> [<masklen>] <inst_id> <area> [<if_cfg>] <state_str> <type_str> <cost> <index> [<passive>] [<mpls>] [<transmit_delay>] [<if_priority>] [<dr_rid>] [<dr_addr>] [<bdr_rid>] [<bdr_addr>] [<nbr_total>] [<nbr_flood>] [<nbr_adjs>] [<gr_nbr>] [<hello_interval>] [<dead_interval>] [<wait_interval>] [<rxmt_interval>] [<hello_timer>] [<wait_timer>] [<pacing_timer>] [<lsu_timer>] [<lsack_timer>] [<netlsa_throt_timer>] [<link_lsa_cnt>] [<link_lsa_crc>] [<state>] [<transition>] [<lastchange>] [<priority>] [<ifid>] [<dr>] [<bdr>] [<master>] [<seqno>] [<dbdallsentacked>] [<dbdallsent>] [<dbdallacked>] [<lsaonreqlist>] [<lsafromlastreq>] [<lsreqrxmts>] [<helloptions>] [<dbdoptions>] [<lastnonhello>] [<deadtimer>] [<pacingtimer>] [<dbdrxmtimer>] [<reqrxmtimer>] [<lsutimer>] [<rerxmtimer>] [<fastrerxmtimer>] [<lsacktimer>] [<grtimer>] [<helpermode>] [<helpercand>] [<helperterm>] [<senddbd>] [<sendlsreq>] [<sendlsu>] [<sendlsurxmt>] [<sendlsack>] [<sendlsreqreply>] [<ipsec_sa_type>] [<ipsec_sa_algorithm>] [<ipsec_sa_spi>]]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
TABLE_vlink	(Optional)
name	(Optional)
nbr_rid	(Optional)
if_state	(Optional)
transit_area	(Optional)

nh_intf	(Optional)
transit_area_stub	(Optional)
transit_area_nssa	(Optional)
masklen	(Optional)
inst_id	(Optional)
area	(Optional)
if_cfg	(Optional)
state_str	(Optional)
type_str	(Optional)
cost	(Optional)
index	(Optional)
passive	(Optional)
mpls	(Optional)
transmit_delay	(Optional)
if_priority	(Optional)
dr_rid	(Optional)
bdr_rid	(Optional)
nbr_total	(Optional)
nbr_flood	(Optional)
nbr_adjs	(Optional)
gr_nbr	(Optional)
hello_interval	(Optional)
dead_interval	(Optional)
wait_interval	(Optional)
rxmt_interval	(Optional)
hello_timer	(Optional)
wait_timer	(Optional)
pacing_timer	(Optional)
lsu_timer	(Optional)

lsack_timer	(Optional)
netlsa_throt_timer	(Optional)
link_lsa_cnt	(Optional)
link_lsa_crc	(Optional)
state	(Optional)
transition	(Optional)
lastchange	(Optional)
priority	(Optional)
ifid	(Optional)
dr	(Optional)
bdr	(Optional)
master	(Optional)
seqno	(Optional)
dbdallsentacked	(Optional)
dbdallsent	(Optional)
dbdallacked	(Optional)
lsaonreqlist	(Optional)
lsafromlastreq	(Optional)
lsreqrxmts	(Optional)
helloptions	(Optional)
dbdoptions	(Optional)
lastnonhello	(Optional)
deadtimer	(Optional)
pacingtimer	(Optional)
dbdrxmtimer	(Optional)
reqrxmtimer	(Optional)
lsutimer	(Optional)
rerxmtimer	(Optional)
fastrerxmtimer	(Optional)

lsacktimer	(Optional)
grtimer	(Optional)
helpermode	(Optional)
helpercand	(Optional)
helperterm	(Optional)
senddbd	(Optional)
sendlsreq	(Optional)
sendlsu	(Optional)
sendlsurxmt	(Optional)
sendlsack	(Optional)
sendlsreqreply	(Optional)
ipsec_sa_type	(Optional) IPsec SA Type
ipsec_sa_algorithm	(Optional) IPsec SA Algorithm name
ipsec_sa_spi	(Optional) IPsec SA SPI Value

Command Mode

- /exec

show ospfv3 virtual-links brief

show [ipv6] ospfv3 [<tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] virtual-links brief [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_ctx <ptag> <cname> <vlink_count> [TABLE_vlink <nbr_rid> <vlink_num> <transit_area> <cost> <if_state>]]

Syntax Description

show	Show running system information
ipv6	(Optional) Display IPv6 information
ospfv3	Display OSPFv3 status and configuration
tag	(Optional) Process tag
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
virtual-links	Virtual link information
brief	Display summary of OSPFv3 virtual links
__readonly__	(Optional)
TABLE_ctx	(Optional)
ptag	(Optional)
cname	(Optional)
vlink_count	(Optional)
TABLE_vlink	(Optional)
nbr_rid	(Optional)
vlink_num	(Optional)
transit_area	(Optional)
cost	(Optional)
if_state	(Optional)

Command Mode

- /exec

P Show Commands

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show param-list

show param-list [param-list-name <plistname>] [show-instance] [__readonly__ <param_list_header_flag> <param_list_name> <param_list_var> <param_list_type> <param_instance_header_flag> <param_instance_name> <param_instance_var> <param_instance_val>]

Syntax Description

show	Show running system information
param-list	Show param-list
param-list-name	(Optional) param list name
plistname	(Optional) Enter the name of the param-list
show-instance	(Optional) show instances for the param list
__readonly__	(Optional)
param_list_header_flag	(Optional)
param_list_name	(Optional)
param_list_var	(Optional)
param_list_type	(Optional)
param_instance_header_flag	(Optional)
param_instance_name	(Optional)
param_instance_var	(Optional)
param_instance_val	(Optional)

Command Mode

- /exec

show password secure-mode

show password secure-mode [__readonly__ { secure_mode <secure_mode_status> }]

Syntax Description

show	Show running system information
password	Password for the user
secure-mode	secure mode for changing passwords
__readonly__	(Optional)
secure_mode	(Optional) run time status about xml
secure_mode_status	(Optional) Run time status about secure mode

Command Mode

- /exec

show password strength-check

show password strength-check [__readonly__ { operation_status <o_status> }]

Syntax Description

show	Show running system information
password	Password for the user
strength-check	Strength check of password
__readonly__	(Optional)
operation_status	(Optional) run-time information about password strength-check
o_status	(Optional) operational status of password strength check

Command Mode

- /exec

show pending

show [pending]

Syntax Description

show	Display region configurations
pending	(Optional) Display the new mst configuration to be applied

Command Mode

- /exec/configure/spanning-tree/mst/configuration

show plb

show plb [service <service-name>] [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> <state> [<reason>] <lb_scheme> [<interface>] <buckets> [<vrf_name>] [<excl_acl>] [<src_interface>] [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] <interface> <r_status>] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [<vip_dgname>] [<ace_name>] [<ace_seq>] [<ace_ip>] [<ace_protocol>] [<ace_port>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]

Syntax Description

show	Show running system information
plb	Display PLB service details
service	(Optional) PLB details for specific service
service-name	(Optional) Specify PLB service name
brief	(Optional) Display PLB service in brief
__readonly__	(Optional) Read Only
is_firstentry	(Optional)
is_detail	(Optional)
is_active	(Optional)
is_firstentry_routemap	(Optional)
is_firstentry_acl	(Optional)
is_lastentry	(Optional)
is_firstentry_standby	(Optional)
TABLE_summary	(Optional)
service_name	(Optional) PLB service name
lb_scheme	(Optional) lb scheme
interface	(Optional) interface

src_interface	(Optional) source interface for probe
state	(Optional) state
buckets	(Optional) buckets
reason	(Optional) inactive reason
vrf_name	(Optional) VRF-Name
excl_acl	(Optional) exclude access-list
TABLE_device	(Optional)
device_grp	(Optional) service device group
dg_probe	(Optional) probe type
dg_probe_port	(Optional) probe port
TABLE_route_map	(Optional)
route_map	(Optional) service route map
interface	(Optional) interface
r_status	(Optional) route map status
TABLE_vip	(Optional)
vip_ip	(Optional) vip ip
vip_probe	(Optional) vip protocol
vip_port	(Optional) vip port
vip_dgname	(Optional) vip device group
ace_name	(Optional) ace information
ace_seq	(Optional) ace information
ace_ip	(Optional) ace information
ace_protocol	(Optional) ace information
ace_port	(Optional) ace information
TABLE_vip_node	(Optional)
vip_node	(Optional) service node ip
vip_nodev6	(Optional) service node IPv6
vip_config	(Optional) node config
vip_weight	(Optional) node weight

vip_status	(Optional) node status
vip_node_probe	(Optional) node probe type
vip_node_probe_port	(Optional) node probe port
vip_node_probe_ip	(Optional) node probe ip
vip_track_id	(Optional) node track id
vip_ip_sla_id	(Optional) node ip sla id
TABLE_vip_standby	(Optional)
vip_standby_ip	(Optional) standby node ip
vip_standby_ipv6	(Optional) standby node ipv6
vip_standby_config	(Optional) standby node config
vip_standby_weight	(Optional) standby node weight
vip_standby_status	(Optional) standby node status
vip_standby_probe	(Optional) standby node probe type
vip_standby_probe_port	(Optional) standby node probe port
vip_standby_probe_ip	(Optional) standby node probe ip
vip_standby_track_id	(Optional) standby node track id
vip_standby_sla_id	(Optional) standby node sla id
TABLE_vip_acl	(Optional)
vip_access_list	(Optional) access list
TABLE_node	(Optional)
node	(Optional) service node ip
nodev6	(Optional) service node IPv6
config	(Optional) node config
weight	(Optional) node weight
status	(Optional) node status
node_probe	(Optional) node probe type
node_probe_port	(Optional) node probe port
node_probe_ip	(Optional) node probe ip
track_id	(Optional) node track id

ip_sla_id	(Optional) node ip sla id
TABLE_standby	(Optional)
standby_ip	(Optional) standby node ip
standby_ipv6	(Optional) standby node ipv6
standby_config	(Optional) standby node config
standby_weight	(Optional) standby node weight
standby_status	(Optional) standby node status
standby_probe	(Optional) standby node probe type
standby_probe_port	(Optional) standby node probe port
standby_probe_ip	(Optional) standby node probe ip
standby_track_id	(Optional) standby node track id
standby_sla_id	(Optional) standby node sla id
TABLE_acl	(Optional)
access_list	(Optional) access list

Command Mode

- /exec

show plb analytics

show plb analytics [service <service-name>] [src { <sip> | <sipv6> } | node { <nip> | <nipv6> } | vip { <vip> | <vipv6> } | device-group <group-name>] [brief] [__readonly__ <plbshowinfo-stats-svc-hdr> [TABLE_stats_svc <plbshowinfo-stats-service_name> <plbshowinfo-stats-dev-grp> <plbshowinfo-stats-vip> <plbshowinfo-stats-vip-pkts> <plbshowinfo-stats-vip-pkts-percentage> [<plbshowinfo-stats-ace-seq>] [<plbshowinfo-stats-ace-ip>] <plbshowinfo-stats-bkt-hdr> [TABLE_stats_bkt <plbshowinfo-stats-acl> [<plbshowinfo-stats-oper-node>] <plbshowinfo-stats-node-mode> <plbshowinfo-stats-orig-node> <plbshowinfo-stats-node-pkts> <plbshowinfo-stats-node-pkts-percentage> [<plbshowinfo-stats-acl-pkts>] [<plbshowinfo-for-ace>]]] <plb-show-end> [<plb-true-end>]]

Syntax Description

show	Show running system information
plb	PLB service
analytics	PLB analytics information
service	(Optional) PLB analytics for specific service
service-name	(Optional) Specify plb service name
src	(Optional) Analytics information for source (bucket) ip
node	(Optional) Analytics information for destination device group node/server ip
vip	(Optional) Analytics information for virtual ip
device-group	(Optional) Analytics information of specified device group
group-name	(Optional) Specify device group name
sip	(Optional) Specify source ipv4 address
nip	(Optional) Specify destination ipv4 address
vip	(Optional) Specify virtual ipv4 address
brief	(Optional) Brief analytics information
__readonly__	(Optional) Read Only
plbshowinfo-stats-svc-hdr	(Optional) PLB analytics service header
TABLE_stats_svc	(Optional) plb stats service
plbshowinfo-stats-service_name	(Optional) PLB analytics service name
plbshowinfo-stats-dev-grp	(Optional) PLB analytics device group
plbshowinfo-stats-vip	(Optional) PLB analytics VIP IP
plbshowinfo-stats-vip-pkts	(Optional) PLB analytics virtual ip pkt_count

plbshowinfo-stats-vip-pkts-percentage	(Optional) PLB analytics virtual ip pkts percentage
plbshowinfo-stats-ace-seq	(Optional) PLB analytics ACE name and sequence number
plbshowinfo-stats-ace-ip	(Optional) PLB analytics ACE ip/mask/prefix
plbshowinfo-stats-bkt-hdr	(Optional) PLB analytics bucket header
TABLE_stats_bkt	(Optional) plb stats bucket
plbshowinfo-stats-acl	(Optional) PLB analytics bucket/acl name
plbshowinfo-stats-oper-node	(Optional) PLB analytics Operational node ip
plbshowinfo-stats-node-mode	(Optional) PLB analytics node mode
plbshowinfo-stats-orig-node	(Optional) PLB analytics Original node ip
plbshowinfo-stats-node-pkts	(Optional) PLB analytics node pkts count
plbshowinfo-stats-node-pkts-percentage	(Optional) PLB analytics node pkts percentage
plbshowinfo-stats-acl-pkts	(Optional) PLB analytics acl pkts
plbshowinfo-for-ace	(Optional) PLB analytics for ACE
plb-show-end	(Optional) Show plb end marker
plb-true-end	(Optional) show plb true end marker

Command Mode

- /exec

show plb session device-group

show plb session device-group [<group-name>] [__readonly__ <first_entry> [TABLE_svc <node>]]

Syntax Description

show	Show running system information
plb	Display PLB service details
session	PLB service session
device-group	Session device-group
group-name	(Optional) Device-group name
__readonly__	(Optional) Read Only
first_entry	(Optional)
TABLE_svc	(Optional)
node	(Optional) node

Command Mode

- /exec

show plb vrf

show plb vrf [<vrf-name>] [__readonly__ <plbshowinfo-vrf-hdr> { TABLE_svc <plbshowinfo-vrf-service_name> <plbshowinfo-vrf-name> <plbshowinfo-vrf-id> } <plb-show-end> [<plb-true-end>]]

Syntax Description

show	Show running system information
plb	PLB service
vrf	PLB service vrf
vrf-name	(Optional) VRF name
__readonly__	(Optional) Read Only
plbshowinfo-vrf-hdr	(Optional) PLB info vrf header
TABLE_svc	(Optional) PLB Service VRF details
plbshowinfo-vrf-service_name	(Optional) PLB service name
plbshowinfo-vrf-name	(Optional) PLB vrf name
plbshowinfo-vrf-id	(Optional) PLB vrf id
plb-show-end	(Optional) Show plb end marker
plb-true-end	(Optional) show plb true end marker

Command Mode

- /exec

show pmap-int-br interface br

show pmap-int-br interface br [__readonly__ { [TABLE_ifvlanstr <if-vlan-str> <if-status> [<in-pmap-qos>] [<out-pmap-qos>] [<in-pmap-que>] [<out-pmap-que>]] }]

Syntax Description

show	Show running system information
pmap-int-br	Show policy maps
interface	Show service policy on interface
br	Brief report of all policies attached to interfaces
TABLE_ifvlanstr	(Optional) all interfaces xml sessions
if-vlan-str	(Optional) ifindex or vlan id: xml key
__readonly__	(Optional)
if-status	(Optional) Interface/vlan status [active/inactive]: xml key
in-pmap-qos	(Optional) Input QoS Policy-map name: xml key
out-pmap-qos	(Optional) output QoS Policy-map name: xml key
in-pmap-que	(Optional) Input Que Policy-map name: xml key
out-pmap-que	(Optional) Output Que Policy-map name: xml key

Command Mode

- /exec

show pmap-int

show pmap-int { interface [<iface-list>] [input | output] [type <qos-or-q>] [detail] |

Syntax Description

show	Show running system information
pmap-int	Show policy maps
interface	Show service policy on interface
iface-list	(Optional) List of Interface
input	(Optional) Input Service policy
output	(Optional) Output Service policy
type	(Optional) Type of policy
qos-or-q	(Optional)
detail	(Optional) Detailed QoS or Queuing statistics

Command Mode

- /exec

show policy-map

show policy-map [{ [type qos] [<pmap-name-qos>] } | { type queuing [<pmap-name-que>] }] [__readonly__ { [<display-all>] [TABLE_pmap <pmap-key> [<type-spec>] [<yqos-or-q>] [<options>] <pmap-name-out> [<desc>] [TABLE_cmap <cmap-key> [<type-cmap-spec>] [<xqos-or-q>] [<cmap-name>] [TABLE_action <action-key> [<serv-pol-type>] [<serv-pol-name>] [<inner>] [<dlb-disable>] [<cos>] [<exp-val-imposition>] [<exp-val-topmost>] [<dscp-enum>] [<dscp>] [<prec-enum>] [<prec>] [<disc-class>] [<qos-group>] [<tmap-from>] [<tmap-to>] [<tmap-name>] [<avg-rate-type>] [<rate-units>] [<shape-rate>] [<min-rate-type>] [<min-rate-units>] [<shape-min-rate>] [<max-rate-type>] [<max-rate-units>] [<shape-max-rate>] [<rise-threshold-units>] [<fall-threshold-units>] [<prio-level>] [<qlim-param-type>] [<qlim-param-val>] [<ooo>] [<size-units>] [<qlim-size>] [<qlim-enum-spec>] [<rdet-agg>] [<rdet-mode>] [<rdet-burst-opt>] [<rdet-mesh-opt>] [<rdet-ecn>] [TABLE_rdet <rdet-key> [<rdet-values>] [<rdet-min-thresh>] [<rdet-size-units>] [<rdet-max-thresh>] [<rdet-drop-prob>] [<rdet-weight>] [<rdet-cap-average>]] [<rdet-nonecn-mode>] [TABLE_rdet_nonecn <rdet-nonecn-key> [<rdet-nonecn-min-thresh>] [<rdet-nonecn-size-units>] [<rdet-nonecn-max-thresh>] [<rdet-nonecn-drop-prob>]] [<afd-mode>] [TABLE_afd <afd-key> [<afd-values>] [<afd-queue-desired>] [<afd-size-units>] [<afd-ecn>]] [<pause> <size-in-bytes> <xoff-bytes> <xon-bytes>] [<priority-group-number>] [<bw-units>] [<bw-rate>] [<rem-bw-units>] [<rem-bw-rate>] [<agg-policer-name>] [<cir-spec>] [<bc-spec>] [<be-spec>] [<cir-rate-units>] [<cir>] [<bc-size-units>] [<bc>] [<pir-rate-units>] [<pir>] [<be-size-units>] [<be>] [<cnf-col-cmap>] [<exc-col-cmap>] [TABLE_police <police-key> [<cnf-act>] [<exc-act>] [<vio-act>] [<set-type>] [<enum-spec>] [<set-val>] [<ptmap-from>] [<ptmap-to>] [<ptmap-name>]] [<burst-detect-enable>]]]] }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
qos	(Optional) type qos
queuing	(Optional) type queuing
pmap-name-qos	(Optional) policy map name (type qos)
pmap-name-que	(Optional) policy map name (type queuing)
__readonly__	(Optional)
display-all	(Optional) Display all kinds of class-maps
TABLE_pmap	(Optional) all pmap xml sessions
pmap-key	(Optional) Policy-map name: xml key
TABLE_rdet	(Optional) all WRED sessions
TABLE_rdet_nonecn	(Optional) all WRED non ECN sessions
TABLE_afd	(Optional) all AFD sessions

TABLE_police	(Optional) all police actions
police-key	(Optional) police actions count: xml key
TABLE_cmap	(Optional) all cmap xml sessions
cmap-key	(Optional) Class-map name: xml key
TABLE_action	(Optional) all actions
action-key	(Optional) Actions count: xml key
yqos-or-q	(Optional)
options	(Optional) match-first option
pmap-name-out	(Optional) Policy-map name
desc	(Optional) Description string
cmap-name	(Optional) Class-map name
xqos-or-q	(Optional)
serv-pol-type	(Optional) Type of service policy referred to
serv-pol-name	(Optional) Name of policy-map referred to within this policy-map
type-spec	(Optional) Type of policy-map specified or not
type-cmap-spec	(Optional) Type of class-map specified or not
inner	(Optional) Specifies if tunnel or inner keywords are mentioned
dlb-disable	(Optional) Disable Dynamic Load Balancing
cos	(Optional) IEEE 802.1Q Class of Service value
exp-val-imposition	(Optional) MPLS EXP value of type imposition
exp-val-topmost	(Optional) MPLS EXP calue of type topmost
dscp	(Optional) DSCP in IP(v4) and IPv6 packets
dscp-enum	(Optional)
prec	(Optional) Precedence in IP(v4) and IPv6 packets
prec-enum	(Optional)
disc-class	(Optional) Discard class
qos-group	(Optional) Qos-group
tmap-from	(Optional)
tmap-to	(Optional)

tmap-name	(Optional) Table map name
ptmap-from	(Optional)
ptmap-to	(Optional)
ptmap-name	(Optional) Table map name
avg-rate-type	(Optional) Specifies if average shape rate is specified
rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
min-rate-type	(Optional) Specifies if minimum shape rate is specified
min-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
max-rate-type	(Optional) Specifies if maximum shape rate is specified
max-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
cir-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
pir-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
prio-level	(Optional) Priority if specified
qlim-param-type	(Optional) Type of parameter for qlim - cos/prec/dscp/disc class/qosgrp
qlim-param-val	(Optional) Parameter value for qlimit
qlim-size	(Optional) Queue size for qlimit
size-units	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
rdet-size-units	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
rdet-nonecn-size-units	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
afd-size-units	(Optional) Units of queue size - bytes/kbytes/mbytes
bc-size-units	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
be-size-units	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
qlim-enum-spec	(Optional) Weather qlimit parameter is specified in enum or not
rdet-mode	(Optional) Random-detect mode
rdet-nonecn-mode	(Optional) Random-detect non-ecn mode
rdet-agg	(Optional) Are the params for aggregate flow
rdet-values	(Optional) List of class-of-service values for random-detect
rdet-drop-prob	(Optional) Random-detect drop probability
rdet-weight	(Optional) Random-detect queue length weight

rdet-cap-average	(Optional) Random-detect cap-average
rdet-ecn	(Optional) Random-detect ECN
rdet-burst-opt	(Optional) Random-detect burst optimized
rdet-mesh-opt	(Optional) Random-detect mesh optimized
rdet-nonecn-drop-prob	(Optional) Random-detect non-ecn drop probability
afd-mode	(Optional) AFD mode
afd-values	(Optional) List of class-of-service values for AFD
afd-ecn	(Optional) AFD ECN
pause	(Optional) Pause value
priority-group-number	(Optional) Priority group value
bw-units	(Optional) Bandwidth units
rem-bw-units	(Optional) Remaining bandwidth units
rem-bw-rate	(Optional) Remaining bandwidth rate
agg-policer-name	(Optional) Aggregate policer name
cir-spec	(Optional) Is CIR keyword specified
bc-spec	(Optional) Is Committed Burst keyword specified
be-spec	(Optional) Is Extended Burst keyword specified
cnf-col-cmap	(Optional) Conforming color class-map name
exc-col-cmap	(Optional) Exceeding color class-map name
enum-spec	(Optional) Is DSCP or PREC enum value specified
cnf-act	(Optional) Conform action (Police)
exc-act	(Optional) Exceed action (Police)
vio-act	(Optional) Violate action (Police)
set-type	(Optional) Type of set in police action
set-val	(Optional) Value of set type in police action
ooo	(Optional) Out-of-Order
burst-detect-enable	(Optional) Burst detect feature is enabled

Command Mode

- /exec

show policy-map interface control-plane

show policy-map interface control-plane { [module <slot-no-in> [class <cmap-name>]] | [class <cmap-name> [module <slot-no-in>]] } [__readonly__ [<scale-factor-cmd>] <pmap-name> [TABLE_cmap <cmap-key> <cmap-name-out> <opt_any_or_all> [TABLE_match <match-key> { [access_grp <acc_grp_name>] [redirect <opt_match_redirect>] [exception <opt_match_excpt>] [protocol <opt_match_protocol>] } +] [<class-off-rate> <class-drop-rate> <class-pkts> <class-bytes>] [[<set_vld_flg>] { { cos [inner] <cos-val> } | { dscp [tunnel] <dscp-val> } | { precedence [tunnel1] <prec-val> } }] [<threshold> <level>] [[<policer_show_flags>] [<cir> <opt_kbps_mbps_gbps_pps_cir>] [{ percent <cir-perc> }] [<bc> <opt_kbytes_mbytes_gbytes_bc>] [<pir> <opt_kbps_mbps_gbps_pps_pir>] [{ percent1 <pir-perc> }] [<be> <opt_kbytes_mbytes_gbytes_be>]] [TABLE_slot { <slot-no-out> { [[<conform-pkts>] <conform-bytes>] [{ <opt_drop_transmit_conform> } | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit <set-dscp-val> } | { set-prec-transmit <set-prec-val> }] [{ [[<exceed-pkts>] <exceed-bytes>] { { <opt_drop_transmit_exceed> } | { set dscp1 dscp2 table cir-markdown-map } } }] { [[<violate-pkts>] <violate-bytes>] { { <opt_drop_transmit_violate> } | { set1 dscp3 dscp4 table1 pir-markdown-map } } } } }]]]

Syntax Description

show	Show running system information
policy-map	Show policy maps
interface	Show service policy on interface
control-plane	command is for copp policy
module	(Optional) module number for statistics
class	(Optional) class-name name
cmap-name	(Optional) Name of the class-map
pmap-name	(Optional) Name of the Policy-map
__readonly__	(Optional)
scale-factor-cmd	(Optional) Scale factor command
TABLE_cmap	(Optional) all cmap xml sessions
cmap-key	(Optional) Class-map key : XML output
cmap-name-out	(Optional) Name of the output class-map
opt_any_or_all	(Optional) Enter match-any or match-all
TABLE_match	(Optional) all match xml sessions
match-key	(Optional) Match key : XML output
access_grp	(Optional)
acc_grp_name	(Optional)

redirect	(Optional)
opt_match_redirect	(Optional) Match criteria for redirected packets
exception	(Optional)
opt_match_excpt	(Optional) Match criteria for exception packets
protocol	(Optional)
opt_match_protocol	(Optional) Match criteria for protocol packets
set_vld_flg	(Optional) Set valid flag
cos	(Optional)
inner	(Optional)
cos-val	(Optional) Set cos val
dscp	(Optional)
tunnel	(Optional)
dscp-val	(Optional) Set dscp val
precedence	(Optional)
tunnel1	(Optional)
prec-val	(Optional) Set prec val
policer_show_flags	(Optional) Policer show flags
level	(Optional) syslog severity level
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	(Optional)
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	(Optional)
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
opt_kbytes_mbytes_gbytes_be	(Optional) Units
TABLE_slot	(Optional) all slot-num : XML output
slot-no-in	(Optional) input slot no
slot-no-out	(Optional) output slot no
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional)

set-cos-val	(Optional) Conform action cos val
set-dscp-transmit	(Optional)
set-dscp-val	(Optional) Conform action dscp val
set-prec-transmit	(Optional)
set-prec-val	(Optional) Conform action prec val
opt_drop_transmit_exceed	(Optional) Set the action
set	(Optional)
dscp1	(Optional)
dscp2	(Optional)
table	(Optional)
cir-markdown-map	(Optional)
opt_drop_transmit_violate	(Optional) Set the action
set1	(Optional)
dscp3	(Optional)
dscp4	(Optional)
table1	(Optional)
pir-markdown-map	(Optional)

Command Mode

- /exec

show policy-map interface type psp

show policy-map interface { [<ifnum>] } type psp { [<pmap-name> [client <clienttype> <clientID>]] | [handle <ppf_id>] } { [class-map-list { [<cmap-name-plc> +] | [class-map-handle <ppf_id1> +] }] } [__readonly__ { [<number-of-classes>] [<display-all>] [TABLE_pmap <pmap-key> <id> <pmap-name-out> [<desc>] [TABLE_cmap <cmap-key> [<cmap-name-out>] [TABLE_interface <interface> <byte-count>]]] }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
interface	Show stats for interface
ifnum	(Optional) Interface type and number
type	Type of the policy-map
psp	type psp
pmap-name	(Optional) Policy-map name
client	(Optional) set client type
clienttype	(Optional) cli/onep
clientID	(Optional) client appID
handle	(Optional) Handle
ppf_id	(Optional) PPF ID
class-map-list	(Optional) Class-map list
cmap-name-plc	(Optional) Class-map name
class-map-handle	(Optional) Class-map Handle/s
ppf_id1	(Optional) PPF ID
__readonly__	(Optional)
display-all	(Optional) Display all kinds of policymaps
number-of-classes	(Optional) Total number of classes for which stats are returned
TABLE_pmap	(Optional) all pmap xml sessions
id	(Optional) Policy-map ID
pmap-key	(Optional) Policy-map name: xml key
pmap-name-out	(Optional) Policy-map name

desc	(Optional) Description string
TABLE_cmap	(Optional) all cmap xml sessions
cmap-key	(Optional) Class-map name: xml key
cmap-name-out	(Optional) Class-map name
TABLE_interface	(Optional) all interface xml sessions
interface	(Optional) Interface type and number
byte-count	(Optional) Byte Count Statistic

Command Mode

- /exec

show policy-map system

show policy-map system [type { network-qos | qos [input2] | queuing [input | output] }] [__readonly__ { [<display-all>] [TABLE_xpmap <xpmap-name> [<desc>] [TABLE_xcmap <xcmap-name> [TABLE_xaction <xaction-key> [<cos-list>] [<qos-group-list>] [<protocol>] [<pause> <timeout> <size-in-bytes> <xoff-bytes> <xon-bytes>] [<pfc-cos-list>] [<pfc_rx_only>] [<cc>] [<thresh-units>] [<min-thresh>] [<max-thresh>] [<drop-prob>] [<iod>] [<mtu>] [<set-cos>] [<dpp>] [<dctcp-threshold>] [<queue-limit>] [<stat-en-dis-enum>]]]] [TABLE_pmap <pmap-key> <pmap-inner-outer> <in-or-out> <yqos-or-q> [<options>] <pmap-name> [<stat-status-enum>] [TABLE_cmap <cmap-key> [<xqos-or-q>] <match-opts> <cmap-name> [TABLE_match <match-key> [<not>] [<inner>] [<cos-list>] [<match-cmap-xqos-or-q>] [<match-cmap-opts>] [<match-cmap-name>]] [TABLE_action <action-key> [<set-inner>] [<cos>] [<serv-pol-type>] [<serv-pol-name>] [<serv-pol-return-inout>] [<rate-units>] [<shape-rate>] [<min-rate-type>] [<min-rate-units>] [<shape-min-rate>] [<max-rate-type>] [<max-rate-units>] [<shape-max-rate>] [<prio-level>] [<qlim-param-type>] [<qlim-param-val>] [<size-units>] [<qlim-size>] [<qlim-enum-spec>] [<bw-units>] [<bw-rate>] [<rem-bw-units>] [<rem-bw-rate>] [<rise-threshold-units>] [<fall-threshold-units>] [<rdet-agg>] [<rdet-mode>] [<rdet-burst-opt>] [<rdet-mesh-opt>] [TABLE_rdet <rdet-key> [<rdet-values>] [<rdet-min-thresh>] [<rdet-size-units>] [<rdet-max-thresh>] [<rdet-drop-prob>] [<rdet-weight>] [<rdet-cap-average>]] [<rdet-ecn>] [TABLE_afd <afd-key> [<afd-values>] [<afd-queue-desired>] [<afd-size-units>] [<afd-ecn>]] [<pause> <size-in-bytes> <xoff-bytes> <xon-bytes>]]]] }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	(Optional) Type of the policy-map
system	Active policy in the system
network-qos	(Optional) type network-qos
qos	(Optional) type qos
input2	(Optional) input policy
queuing	(Optional) type queuing
input	(Optional) input policy
output	(Optional) output policy
__readonly__	(Optional)
display-all	(Optional) Display all network-qos policy-maps
TABLE_xpmap	(Optional) all xpmap xml sessions
xpmap-name	(Optional) Policy-map name
TABLE_xcmap	(Optional) all xcmap xml sessions

xcmap-name	(Optional) Class-map name
TABLE_xaction	(Optional) all network-qos actions
xaction-key	(Optional) network-qos ctions count: xml key
TABLE_pmap	(Optional) all pmap xml sessions
pmap-key	(Optional) Policy-map name: xml key
TABLE_cmap	(Optional) all cmap xml sessions
cmap-key	(Optional) Class-map name: xml key
TABLE_action	(Optional) all actions
action-key	(Optional) Actions count: xml key
TABLE_match	(Optional) all match xml sessions
match-key	(Optional) match count: xml key
TABLE_rdet	(Optional) all WRED sessions
TABLE_afd	(Optional) all AFD sessions
stat-en-dis-enum	(Optional)
in-or-out	(Optional)
yqos-or-q	(Optional)
stat-status-enum	(Optional)
desc	(Optional) Description string
thresh-units	(Optional) Units of threshold - pkts/bytes/kbytes/mbytes/ms/us/perc
drop-prob	(Optional) Drop Probability at Maximum Threshold value
pause	(Optional) Pause value
pfc-cos-list	(Optional) List of class-of-service values
pfc_rx_only	(Optional) Pause receive only mode enabled
timeout	(Optional) timeout value
cc	(Optional) congestion control protocol
iod	(Optional) IOD value
mtu	(Optional) MTU value
set-cos	(Optional) Set CoS value
dpp	(Optional) Dynamic Packet Prioritization Class

queue-limit	(Optional) Queue size for the class
protocol	(Optional) protocol
dctcp-threshold	(Optional) DCTCP threshold in bytes
cos-list	(Optional) List of class-of-service values
qos-group-list	(Optional) List of qos-group values
options	(Optional) match-first option
pmap-name	(Optional) Policy-map name
pmap-inner-outer	(Optional) Inner or Outer policy-map
serv-pol-return-inout	(Optional) Inner or Outer policy-map
cmap-name	(Optional) Class-map name
xqos-or-q	(Optional)
match-opts	(Optional) Type of match in class-map
match-cmap-xqos-or-q	(Optional)
match-cmap-opts	(Optional) Type of match in class-map
not	(Optional) Negate this match result
inner	(Optional) Specifies if tunnel or inner keywords are mentioned
cos-list	(Optional) List of class-of-service values
match-cmap-name	(Optional) class-map name
serv-pol-type	(Optional) Type of service policy referred to
serv-pol-name	(Optional) Name of policy-map referred to within this policy-map
set-inner	(Optional) Specifies if tunnel or inner keywords are mentioned
cos	(Optional) IEEE 802.1Q Class of Service value
rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
min-rate-type	(Optional) Specifies if minimum shape rate is specified
min-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
max-rate-type	(Optional) Specifies if maximum shape rate is specified
max-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us
prio-level	(Optional) Priority if specified
qlim-param-type	(Optional) Type of parameter for qlim - cos/prec/dscp/disc class/qosgrp

qlim-param-val	(Optional) Parameter value for qlimit
qlim-size	(Optional) Queue size for qlimit
size-units	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
qlim-enum-spec	(Optional) Weather qlimit parameter is specified in enum or not
rdet-size-units	(Optional) Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
afd-size-units	(Optional) Units of queue size - bytes/kbytes/mbytes
bw-units	(Optional) Bandwidth units
rem-bw-units	(Optional) Remaining bandwidth units
rem-bw-rate	(Optional) Remaining bandwidth rate
rdet-values	(Optional) List of class-of-service values for random-detect
rdet-agg	(Optional) Are the params for aggregate flow
rdet-mode	(Optional) Random-detect mode
rdet-drop-prob	(Optional) Random-detect drop probability
rdet-weight	(Optional) Random-detect queue length weight
rdet-cap-average	(Optional) Random-detect cap-average
rdet-ecn	(Optional) Random-detect ECN
rdet-burst-opt	(Optional) Random-detect burst optimized
rdet-mesh-opt	(Optional) Random-detect mesh optimized
afd-values	(Optional) List of class-of-service values for afd
afd-ecn	(Optional) AFD ECN
pause	(Optional) Pause value

Command Mode

- /exec

show policy-map type control-plane

show policy-map type control-plane [expand] [{ name <pmap-name> }] [__readonly__ [{ TABLE_pmap <pmap-name1> [{ TABLE_cmap <cmap-name> [<opt_any_or_all>] [TABLE_match <match_key> { [access_grp <acc_grp_name>] | [redirect <opt_match_redirect>] | [exception <opt_match_excpt>] | [protocol <opt_match_protocol>] }] [{ TABLE_set_action <set_vld_flg> { { cos [inner] <cos-val> } | { dscp [tunnel] <dscp-val> } | { precedence [tunnel1] <prec-val> } } }] [<threshold> <level>] [[<policer_show_flags>] [<cir> <opt_kbps_mbps_gbps_pps_cir>] [percent <cir-perc>] [<pir> <opt_kbps_mbps_gbps_pps_pir>] [percent1 <pir-perc>] [<bc> <opt_kbytes_mbytes_gbytes_bc>] [<be> <opt_kbytes_mbytes_gbytes_be>] [{ <opt_drop_transmit_conform> } | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit <set-dscp-val> } | { set-prec-transmit <set-prec-val> }] [{ <opt_drop_transmit_exceed> } | { set dscp1 dscp2 table cir-markdown-map }] [{ <opt_drop_transmit_violate> } | { set1 dscp3 dscp4 table1 pir-markdown-map }]] }] }]]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
control-plane	command is for copp policy
expand	(Optional) Display the match-criterias along with class-map
name	(Optional) policy-map name
pmap-name	(Optional) Name of the Policy-map
__readonly__	(Optional)
TABLE_pmap	(Optional) Table of policy-map
pmap-name1	(Optional) Name of the Policy-map
TABLE_cmap	(Optional) Table of class-map
cmap-name	(Optional) Name of the class-map
opt_any_or_all	(Optional) Enter match-any or match-all
TABLE_match	(Optional) Table of match statement
match_key	(Optional) Match key : XML output
access_grp	(Optional)
acc_grp_name	(Optional)
redirect	(Optional)
opt_match_redirect	(Optional) Match criteria for redirected packets

exception	(Optional)
opt_match_excpt	(Optional) Match criteria for exception packets
protocol	(Optional)
opt_match_protocol	(Optional) Match criteria for protocol packets
TABLE_set_action	(Optional) Table of set action
set_vld_flg	(Optional) Set valid flag
level	(Optional) syslog severity level
opt_kbps_mbps_gbps_pps_cir	(Optional) Units
percent	(Optional)
opt_kbps_mbps_gbps_pps_pir	(Optional) Units
percent1	(Optional)
opt_kbytes_mbytes_gbytes_bc	(Optional) Units
opt_kbytes_mbytes_gbytes_be	(Optional) Units
opt_drop_transmit_conform	(Optional) Set the action
set-cos-transmit	(Optional)
set-cos-val	(Optional) Conform action cos val
set-dscp-transmit	(Optional)
set-dscp-val	(Optional) Conform action dscp val
set-prec-transmit	(Optional)
set-prec-val	(Optional) Conform action prec val
opt_drop_transmit_exceed	(Optional) Set the action
set	(Optional)
dscp1	(Optional)
dscp2	(Optional)
table	(Optional)
cir-markdown-map	(Optional)
opt_drop_transmit_violate	(Optional) Set the action
set1	(Optional)
dscp3	(Optional)

dscp4	(Optional)
table1	(Optional)
pir-markdown-map	(Optional)
cos	(Optional)
inner	(Optional)
cos-val	(Optional) Set cos val
dscp	(Optional)
tunnel	(Optional)
dscp-val	(Optional) Set dscp val
precedence	(Optional)
tunnel1	(Optional)
prec-val	(Optional) Set prec val
policer_show_flags	(Optional) Policer show flags

Command Mode

- /exec

show policy-map type network-qos

show policy-map type network-qos [<pmap-name-nq>] [__readonly__ { [<display-all>] [TABLE_xpmap <xpmap-name> [<desc>] [TABLE_xcmap <xcmap-name> [TABLE_action <action-key> [<pause> <timeout> <size-in-bytes> <xoff-bytes> <xon-bytes>] [<pfc-cos-list>] [<pfc_rx_only>] [<cc>] [<thresh-units>] [<min-thresh>] [<max-thresh>] [<drop-prob>] [<iod>] [<mtu>] [<set-cos>] [<dpp>] [<dctcp-threshold>] [<queue-limit>]]]] }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
pmap-name-nq	(Optional) Policy-map name
network-qos	type network-qos
__readonly__	(Optional)
display-all	(Optional) Display all network-qos policy-maps
TABLE_xpmap	(Optional) all xpmap xml sessions
xpmap-name	(Optional) Policy-map name
TABLE_xcmap	(Optional) all xcmap xml sessions
xcmap-name	(Optional) Class-map name
TABLE_action	(Optional) all actions
action-key	(Optional) Actions count: xml key
desc	(Optional) Description string
pause	(Optional) Pause value
timeout	(Optional) timeout value
pfc-cos-list	(Optional) List of class-of-service values
cc	(Optional) congestion control protocol
thresh-units	(Optional) Units of threshold - pkts/bytes/kbytes/mbytes/ms/us/perc
drop-prob	(Optional) Drop Probability at Maximum Threshold value
iod	(Optional) IOD value
mtu	(Optional) MTU value
set-cos	(Optional) Set CoS value

dpp	(Optional) Dynamic Packet Prioritization Class
dctcp-threshold	(Optional) DCTCP threshold in bytes
queue-limit	(Optional) Queue size for the class
pfc_rx_only	(Optional) Pause receive only mode is enabled

Command Mode

- /exec

show policy-map type psp

show policy-map type psp { [<pmap-name> [client <clienttype> <clientID>] [cfg-mode <cfgmode>]] | [handle <ppf_id>] } [__readonly__ { [<display-all>] [TABLE_pmap <pmap-key> <id> <pmap-name-out> [<desc>] [TABLE_cmap <cmap-key> <if-else-id> <cmap-id> [class-default] [<cmap-name-out>] [TABLE_action <action-key> [<cos-val>] [<src-mac-addr>] [<dest-mac-addr>] [<vlan-number>] [<ip-tos-value>] [<interface-name>] [action-strip-vlan] [action-drop-pkt] [divert-action] [copy-action] [forward-normal] [<goto-pmap-handle>] [action-decrement-ttl]]]] }]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
psp	type psp
pmap-name	(Optional) Policy-map name
client	(Optional) set client type
clienttype	(Optional) cli/onep
clientID	(Optional) client appID
cfg-mode	(Optional) cfg-mode
cfgmode	(Optional) persistent/transient
handle	(Optional) Handle
ppf_id	(Optional) PPF ID
__readonly__	(Optional)
display-all	(Optional) Display all kinds of policymaps
TABLE_pmap	(Optional) all pmap xml sessions
id	(Optional) Policy-map ID
pmap-key	(Optional) Policy-map name: xml key
pmap-name-out	(Optional) Policy-map name
desc	(Optional) Description string
TABLE_cmap	(Optional) all cmap xml sessions
cmap-key	(Optional) Class-map name: xml key
if-else-id	(Optional) If-Else ID

cmap-id	(Optional) Class-map ID
class-default	(Optional)
cmap-name-out	(Optional) Class-map name
TABLE_action	(Optional) all action xml sessions
action-key	(Optional) action count: xml key
cos-val	(Optional) 802.1Q Class of Service value
src-mac-addr	(Optional) Layer 2 MAC Address
dest-mac-addr	(Optional) Layer 2 MAC Address
vlan-number	(Optional) VLAN NUMBER
ip-tos-value	(Optional) IPv4 TOS Value
interface-name	(Optional) Physical Interface Name and Number
action-strip-vlan	(Optional) Perform the action STRIP-VLAN-ID
action-drop-pkt	(Optional) Perform the action Drop the Packet
divert-action	(Optional) Divert the packets to Controller
copy-action	(Optional) Copy the packets to Controller
forward-normal	(Optional) Forward the packets normally
goto-pmap-handle	(Optional) Pmap handle
action-decrement-ttl	(Optional) Decrement TTL on the Packet

Command Mode

- /exec

show port-channel capacity

show port-channel capacity [__readonly__ <total> <used> <free> <percentage_used>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
capacity	Capacity information
__readonly__	(Optional)
total	(Optional) Total resource
used	(Optional) Used resource
free	(Optional) Free resource
percentage_used	(Optional) Used resource in percentage

Command Mode

- /exec

show port-channel compatibility-parameters

show port-channel compatibility-parameters [__readonly__ { TABLE_compatibility <parameter> <description> } +]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
compatibility-parameters	Show compatibility parameters
__readonly__	(Optional)
TABLE_compatibility	(Optional) Port-channel compatibility table
parameter	(Optional) Compatibity parameter
description	(Optional) Parameter description

Command Mode

- /exec

show port-channel database

show port-channel database [interface <if0>] [__readonly__ TABLE_interface <interface> <last-membership-update> <total-ports> <total-up-ports> [<first_operational-port>] <age-of-channel> [<time-since-last-bundle>] [<last-bundled-member>] [<time-since-last-unbundle>] [<last-unbundled-member>] [{ TABLE_member <port> <mode> <port-status> }] [<protocol>]]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
database	Show port-channel database
interface	(Optional) Specify a port-channel
if0	(Optional)
__readonly__	(Optional)
TABLE_interface	(Optional) Port-channel table
interface	(Optional) Port channel
mode	(Optional) channel-group mode
last-membership-update	(Optional) Last membership update
total-ports	(Optional) Total number of member ports
total-up-ports	(Optional) Total number of UP member ports
first_operational-port	(Optional) First operational port
TABLE_member	(Optional) Member ports info
port	(Optional) Member port
port-status	(Optional) Member port status
age-of-channel	(Optional) Age of port channel
time-since-last-bundle	(Optional) Time since last port bundled
last-bundled-member	(Optional) Last bundled member port
time-since-last-unbundle	(Optional) Time since last port un-bundled
last-unbundled-member	(Optional) Last unbundled member port
protocol	(Optional) Port channel protocol

Command Mode

- /exec

show port-channel fast-convergence

show port-channel fast-convergence

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
fast-convergence	Show port-channel fast-convergence status

Command Mode

- /exec

show port-channel load-balance

show port-channel load-balance { [module <module>] | { fex { all } } } [__readonly__ [<sys-cfg>] [{ <module-cfg> }] + <non-ip-val> <non-ip-sel> <ipv4-val> <ipv4-sel> [<ipv6-val>] { TABLE_mod_configs [<mod-number>] <mod-non-ip-val> <mod-non-ip-sel> <mod-ipv4-val> <mod-ipv4-sel> }]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
load-balance	Show port-channel load balance
module	(Optional) slot
module	(Optional) Specify a module number
fex	FEX devices
all	Display all configured FEX port-channel LB
__readonly__	(Optional)
sys-cfg	(Optional) system wide load balance configuraton
module-cfg	(Optional) per module load balance configuraton
non-ip-val	(Optional) load balance setting for non-ip traffic
non-ip-sel	(Optional) non ip select
ipv4-val	(Optional) load balance setting for ipv4 traffic
ipv4-sel	(Optional) ip select
ipv6-val	(Optional) load balance setting for ipv6 traffic
TABLE_mod_configs	(Optional) module configurations
mod-number	(Optional) module number
mod-non-ip-val	(Optional) load balance setting for non-ip traffic
mod-non-ip-sel	(Optional) non ip select
mod-ipv4-val	(Optional) load balance setting for ipv4 traffic
mod-ipv4-sel	(Optional) ip select

Command Mode

- /exec

show port-channel load-balance forwarding-path1 interface src-interface

show port-channel load-balance forwarding-path1 interface <ch-id> src-interface <src-if> { vlan <vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ether-type <ethertype> | ip-proto <prot> } + [__readonly__ { loadbalance-algorithm <algorithm> } { outgoing-port-id <port> }]

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path1	Packet forwarding information
interface	Specify a port-channel number
ch-id	Port-Channel name
vlan	VLAN - for dot1Q tagged packets at ingress
vlan-id	VLAN ID
src-mac	Source MAC Address
src-mac	Source MAC address
dst-mac	Destination MAC Address
dst-mac	Destination MAC address
src-ip	Source IP address
src-ip	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
dst-ip	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source Port
l4-src-port	Source L4 port
l4-dst-port	Destination Port
l4-dst-port	Destination L4 port

ether-type	Ethernet Type
ethertype	Ethernet Type
src-interface	Optional source interface (physical switch port only)
src-if	Interface name
ip-proto	IP v4/v6 Protocol
prot	IP Protocol
__readonly__	(Optional)
loadbalance-algorithm	(Optional) load balance algorithm
algorithm	(Optional) algorithm
outgoing-port-id	(Optional) outgoing port-id
port	(Optional) port

Command Mode

- /exec

show port-channel load-balance forwarding-path interface

show port-channel load-balance forwarding-path { interface <ch-id> | hgig } { src-interface <src-if> | vlan <vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol <prot> } + [module <module> | fex <fex-range> | hgig-tgid <tgid>] + [source-interface <if-id>] [__readonly__ { loadbalance-algorithm <algorithm> } { outgoing-port-id <port> }]

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
ch-id	Port-Channel name
hgig	Higig hashing result (only with RTAG7)
vlan	VLAN of the ingress packet i.e. when available
vlan-id	
src-mac	Source MAC Address
src-mac	Source MAC address
dst-mac	Destination MAC Address
dst-mac	Destination MAC address
src-ip	Source IPv4 address
src-ip	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
dst-ip	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address
l4-src-port	Source L4 port
l4-src-port	Source L4 port
l4-dst-port	Destination l4 port
l4-dst-port	Destination L4 port

ethertype	Ethertype of the packet stream
ethertype	
src-interface	Optional source interface (physical switch port only)
src-if	Interface name
source-interface	(Optional) Source interface - Required paramter
if-id	(Optional) Interface name
protocol	Protocol
prot	
module	(Optional) Module #
module	(Optional)
fex	(Optional) FEX devices
fex-range	(Optional) FEX device range
hgig-tgid	(Optional) Higig #
tgid	(Optional)
__readonly__	(Optional)
loadbalance-algorithm	(Optional) load balance algorithm
algorithm	(Optional) load balance algorithm
outgoing-port-id	(Optional) outgoing port-id
port	(Optional) outgoing port-id

Command Mode

- /exec

show port-channel load-balance hardware forwarding-path interface source

show port-channel load-balance hardware forwarding-path { interface <ch-id> | hgig } { source-interface <if-id> } { vlan <vlan-id> | src-mac <src-mac> | dst-mac <dst-mac> | src-ip <src-ip> | dst-ip <dst-ip> | src-ipv6 <src-ipv6> | dst-ipv6 <dst-ipv6> | l4-src-port <l4-src-port> | l4-dst-port <l4-dst-port> | ethertype <ethertype> | protocol <prot> } + [module <module> | fex <fex-range> | hgig-tgid <tgid>] [__readonly__ { loadbalance-algorithm <algorithm> } { outgoing-port-id <port> }]

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
hardware	ASIC hardware based information
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
ch-id	Port-Channel name
hgig	Higig hashing result (only with RTAG7)
source-interface	Source interface - Required paramter
if-id	Interface name
vlan	VLAN of the ingress packet i.e. when available
vlan-id	
src-mac	Source MAC Address
src-mac	Source MAC address
dst-mac	Destination MAC Address
dst-mac	Destination MAC address
src-ip	Source IPv4 address
src-ip	Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
dst-ip	Destination IP address in format i.i.i.i
src-ipv6	Source IPv6 address
dst-ipv6	Destination IPv6 address

l4-src-port	Source L4 port
l4-src-port	Source L4 port
l4-dst-port	Destination l4 port
l4-dst-port	Destination L4 port
ethertype	Ethertype of the packet stream
ethertype	
protocol	Protocol
prot	
module	(Optional) Module #
module	(Optional)
fex	(Optional) FEX devices
fex-range	(Optional) FEX device range
hgig-tgid	(Optional) Higig #
tgid	(Optional)
__readonly__	(Optional)
loadbalance-algorithm	(Optional) load balance algorithm
algorithm	(Optional) load balance algorithm
outgoing-port-id	(Optional) outgoing port-id
port	(Optional) outgoing port-id

Command Mode

- /exec

show port-channel rbh-distribution

show port-channel rbh-distribution [interface <if0>] [__readonly__ TABLE_channel <chan-id> <port> { <rbh> } + <num_of_buckets>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
rbh-distribution	Show RBH distribution for member ports
interface	(Optional) Specify a port-channel interface
if0	(Optional)
__readonly__	(Optional)
TABLE_channel	(Optional) Port-channel table
chan-id	(Optional) Channel ID
port	(Optional) Member port
num_of_buckets	(Optional) Channel ID
rbh	(Optional) Channel ID

Command Mode

- /exec

show port-channel summary

show port-channel summary [interface <if0> | controller] [__readonly__ TABLE_channel <group> <port-channel> <layer> <status> <type> <prtcl> [{ TABLE_member <port> <port-status> }]]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
summary	Show port-channel summary
interface	(Optional) Specify a port-channel
if0	(Optional)
controller	(Optional) Show controller configured port-channels
__readonly__	(Optional)
TABLE_channel	(Optional) Port-channel table
group	(Optional) Channel group number
port-channel	(Optional) Port channel
type	(Optional) Channel type
prtcl	(Optional) Channel protocol
status	(Optional) Channel status
layer	(Optional) Channel layer info
TABLE_member	(Optional) Member table
port	(Optional) Member port
port-status	(Optional) Member port status

Command Mode

- /exec

show port-channel traffic

show port-channel traffic [interface <if0>] [__readonly__ TABLE_channel <chanId> <port> <rx-ucst> <tx-ucst> <rx-mcst> <tx-mcst> <rx-bcst> <tx-bcst>]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
traffic	Show port-channel traffic statistics
__readonly__	(Optional)
interface	(Optional) Specify a port-channel
if0	(Optional)
TABLE_channel	(Optional) Port-channel table
chanId	(Optional) Channel ID
port	(Optional) Member port
rx-ucst	(Optional) Received unicast
tx-ucst	(Optional) Transmitted unicast
rx-mcst	(Optional) Received multicast
tx-mcst	(Optional) Tranmitted multicast
rx-bcst	(Optional) Received broadcast
tx-bcst	(Optional) Transmitted broadcast

Command Mode

- /exec

show port-channel usage

show port-channel usage [__readonly__ <total-channel-number-used> { <used-range-low> [<used-range-hi>] } + { <unused-range-low> [<unused-range-hi>] } +]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
usage	Show port-channel number usage
__readonly__	(Optional)
total-channel-number-used	(Optional) Total used number of port-channels
used-range-low	(Optional) Used range low end value
used-range-hi	(Optional) Used range high end value
unused-range-low	(Optional) Un-used range low end value
unused-range-hi	(Optional) Un-used range high end value

Command Mode

- /exec

show port-license

show port-license [__readonly__ <consumed_port_licenses> [TABLE_portlicense <interface> <cookie> <port_activation_license>]]

Syntax Description

show	Show running system information
port-license	Show port license information
__readonly__	(Optional)
consumed_port_licenses	(Optional) Consumed port licenses
TABLE_portlicense	(Optional) port and licenses
interface	(Optional) interface name
cookie	(Optional) cookie
port_activation_license	(Optional) license state

Command Mode

- /exec

show port-profile

show port-profile [name <all_profile_name>] [__readonly__ TABLE_port_profile_all <profile_name> [<profile_id>] <type> [<desc>] [<status>] [<max_ports>] [<min_ports>] [<inherit>] [<profile_cfg>] + [<cmd_depth>] [<cmd_key>] [<parent_seqno>] [<cmd_seqno>] [<cmd_attr>] [<form_type>] [<cmd_mask>] [<shadow_cmd>] [<cmd_flags>] [<eval_cfg>] + [<intf>] + [<cap_l3>] [<cap_iscsi>] [<ctrl_sgid>] [<pkt_sgid>] [<sys_vlans>] [<portgrp>] [<pprole>] [<port_binding>]]

Syntax Description

show	Show running system information
port-profile	Show port-profile
name	(Optional) port-profile name
all_profile_name	(Optional) Enter the name of the profile
__readonly__	(Optional)
TABLE_port_profile_all	(Optional)
profile_name	(Optional)
profile_id	(Optional)
type	(Optional)
desc	(Optional)
status	(Optional)
max_ports	(Optional)
min_ports	(Optional)
inherit	(Optional)
profile_cfg	(Optional)
cmd_depth	(Optional)
cmd_key	(Optional)
parent_seqno	(Optional)
cmd_seqno	(Optional)
cmd_attr	(Optional)
form_type	(Optional)
cmd_mask	(Optional)
shadow_cmd	(Optional)

cmd_flags	(Optional)
eval_cfg	(Optional)
intf	(Optional)
cap_l3	(Optional) L3 Profile
cap_iscsi	(Optional) iSCSI cap
ctrl_sgid	(Optional) Control Vlan Pinned Sgid
pkt_sgid	(Optional) Packet Vlan Pinned Sgid
sys_vlans	(Optional) System Vlans
portgrp	(Optional) VMware Portgroup
pprole	(Optional) Port-profile Role
port_binding	(Optional) Port-binding

Command Mode

- /exec

show port-profile brief

show port-profile brief [__readonly__ { TABLE_port_profile [<profile_name>] [<type>] [<status>] [<profile_cfg_cnt>] [<eval_cfg_cnt>] [<intf_cnt>] [<inherit_cnt>] [<header_flag>] } { TABLE_intf_count [<intf_type>] [<intf_count>] [<tot_header_flag>] }]

Syntax Description

show	Show running system information
port-profile	Show port-profile
brief	Brief info about profiles
__readonly__	(Optional)
profile_name	(Optional)
TABLE_port_profile	(Optional)
type	(Optional)
status	(Optional)
profile_cfg_cnt	(Optional)
eval_cfg_cnt	(Optional)
intf_cnt	(Optional)
inherit_cnt	(Optional)
header_flag	(Optional)
TABLE_intf_count	(Optional)
intf_type	(Optional)
intf_count	(Optional)
tot_header_flag	(Optional)

Command Mode

- /exec

show port-profile expand-interface

show port-profile expand-interface [name <all_profile_name>] [__readonly__ TABLE_port_profile <profile_name> [TABLE_interface <intf> [<intf_cfg>] +]]

Syntax Description

show	Show running system information
port-profile	Show port-profile
expand-interface	Active profile config applied in a interface
name	(Optional) port-profile name
all_profile_name	(Optional) Enter the name of the profile
__readonly__	(Optional)
TABLE_port_profile	(Optional)
profile_name	(Optional)
TABLE_interface	(Optional)
intf	(Optional)
intf_cfg	(Optional)

Command Mode

- /exec

show port-profile sync-status

show port-profile sync-status [interface <intfname>] [__readonly__ <intf> + <status> + [<inherit>] [<sync_status>] [<cached_cmds>] [<errors>] [<recovery>]]

Syntax Description

show	Show running system information
port-profile	Show port-profile
sync-status	Interfaces out-of-sync with port-profiles
interface	(Optional) Interface name
intfname	(Optional) Name of interface
__readonly__	(Optional)
intf	(Optional)
status	(Optional)
inherit	(Optional)
sync_status	(Optional)
cached_cmds	(Optional)
errors	(Optional)
recovery	(Optional)

Command Mode

- /exec

show port-profile usage

show port-profile usage [name <all_profile_name>] [__readonly__ TABLE_port_profile <profile_name> [TABLE_interface <interface>]]

Syntax Description

show	Show running system information
port-profile	Show port-profile
usage	List of interfaces inherited a profile
name	(Optional) port-profile name
all_profile_name	(Optional) Enter the name of the profile
__readonly__	(Optional)
TABLE_port_profile	(Optional)
TABLE_interface	(Optional)
profile_name	(Optional)
interface	(Optional)

Command Mode

- /exec

show port-security

show port-security [__readonly__ { TABLE_eth_port_sec_interfaces <secure_port> <max_secure_addr> <current_addr> <security_violation> <security_action> <num_val> <num_elems> <cmdid_show_index> <port_state> } <total_addr> <max_sys_limit>]

Syntax Description

port-security	Show secure port information
__readonly__	(Optional)
TABLE_eth_port_sec_interfaces	(Optional) Displays the secured interfaces
secure_port	(Optional) Interface Index
max_secure_addr	(Optional) Maximum number of secured MAC addresses
current_addr	(Optional) Number of secured MAC addresses
security_violation	(Optional) Number of security violations
security_action	(Optional) Security Action Shutdown/Restrict/Protect
num_val	(Optional) Number of Values
num_elems	(Optional) Number of Elements
cmdid_show_index	(Optional) Index for the Interfaces
port_state	(Optional) Port security enabled or disabled
total_addr	(Optional) Total number of secured MAC addresses
max_sys_limit	(Optional) Maximum allowed MACs excluding one per port

Command Mode

- /exec

show port-security address

show port-security address [__readonly__ { TABLE_eth_port_sec_mac_addrs <vlan_id> <mac_addr> <type> <if_index> <remain_age> <remote_learnt> <remote_aged> <num_elems> <cmd_addr_index> } <total_addr> <max_sys_limit>]

Syntax Description

port-security	Show secure port information
address	Show secure address
__readonly__	(Optional)
TABLE_eth_port_sec_mac_addrs	(Optional) Displays the secured MAC addresses
if_index	(Optional) Interface index
vlan_id	(Optional) vlan id
mac_addr	(Optional) mac address
type	(Optional) static/sticky/dyanmic MAC address
remain_age	(Optional) Remaining age
remote_learnt	(Optional) Remotely learnt
remote_aged	(Optional) Remotely Aged Out
num_elems	(Optional) Number of Elements
cmd_addr_index	(Optional) Index for the interface address
total_addr	(Optional) Total number of secured MAC addresses
max_sys_limit	(Optional) Maximum allowed MACs excluding one per port

Command Mode

- /exec

show port-security address blocked

show port-security address blocked [__readonly__ { TABLE_eth_port_sec_mac_addrs <vlan_id> <mac_addr> <type> <if_index> <remain_age> <num_elems> <cmd_addr_index> } <total_addr> <max_sys_limit>]

Syntax Description

port-security	Show secure port information
address	Show secure address
blocked	Port Security Blocked macs
__readonly__	(Optional)
TABLE_eth_port_sec_mac_addrs	(Optional) Displays the secured MAC addresses
if_index	(Optional) Interface index
vlan_id	(Optional) vlan id
mac_addr	(Optional) mac address
type	(Optional) static/sticky/dyanmic MAC address
remain_age	(Optional) Remaining age
num_elems	(Optional) Number of Elements
cmd_addr_index	(Optional) Index for the interface address
total_addr	(Optional) Total number of secured MAC addresses
max_sys_limit	(Optional) Maximum allowed MACs excluding one per port

Command Mode

- /exec

show port-security address interface

show port-security address interface <interface-id> [__readonly__ { TABLE_eth_port_sec_mac_addrs <vlan_id> <mac_addr> <type> <if_index> <remain_age> <remote_learnt> <remote_aged> <num_elems> } <total_addr> <max_sys_limit> <first>]

Syntax Description

port-security	Show secure port information
address	Show secure address
interface	Show secure interface
interface-id	ethernet
__readonly__	(Optional)
TABLE_eth_port_sec_mac_addrs	(Optional) Displays the secured MAC addresses
if_index	(Optional) Interface index
vlan_id	(Optional) vlan id
mac_addr	(Optional) mac address
type	(Optional) static/sticky/dyanmic MAC address
remain_age	(Optional) Remaining age
remote_learnt	(Optional) Remotely learnt
remote_aged	(Optional) Remotely Aged Out
num_elems	(Optional) Number of Elements
total_addr	(Optional) Total number of secured MAC addresses
max_sys_limit	(Optional) Maximum allowed MACs excluding one per port
first	(Optional) To identify the first entry

Command Mode

- /exec

show port-security address nvram

show port-security address nvram [__readonly__ { TABLE_eth_port_sec_mac_addrs <vlan_id> <mac_addr> <type> <if_index> <remain_age> <remote_learnt> <remote_aged> <num_elems> <cmd_addr_index> } <total_addr> <max_sys_limit>]

Syntax Description

port-security	Show secure port information
address	Show secure address
nvram	Port Security NVRAM
__readonly__	(Optional)
TABLE_eth_port_sec_mac_addrs	(Optional) Displays the secured MAC addresses
if_index	(Optional) Interface index
vlan_id	(Optional) vlan id
mac_addr	(Optional) mac address
type	(Optional) static/sticky/dyanmic MAC address
remain_age	(Optional) Remaining age
remote_learnt	(Optional) Remotely learnt
remote_aged	(Optional) Remotely Aged Out
num_elems	(Optional) Number of Elements
cmd_addr_index	(Optional) Index for the interface address
total_addr	(Optional) Total number of secured MAC addresses
max_sys_limit	(Optional) Maximum allowed MACs excluding one per port

Command Mode

- /exec

show port-security detail interface

show port-security detail interface [__readonly__ { TABLE_eth_port_sec_intf_detail <if_index> <port_security> <port_status> <violation_mode> <aging_time> <aging_type> <max_mac_addr> <total_sec_addrs> <trap_count> <addr_aging_enable> <secure_last_mac_addr> <sticky_enable> <secure_last_mac_addr_vlan_id> }]

Syntax Description

port-security	Show secure port information
detail	Show detailed information about secure interface
interface	Show secure interface
TABLE_eth_port_sec_intf_detail	(Optional) Displays the secured interface details
__readonly__	(Optional)
if_index	(Optional) Interface index
port_security	(Optional) Port Security is Enabled/Disabled
port_status	(Optional) Secure Up/Down
violation_mode	(Optional) Shutdown/Restrict/Protect
aging_time	(Optional) Aging time in minutes
aging_type	(Optional) Absolute/Inactivity
max_mac_addr	(Optional) Maximum number of MAC addresses that can be secured
total_sec_addrs	(Optional) Total number of secured MAC addresses
trap_count	(Optional) Trap Count
addr_aging_enable	(Optional) Specifies whether address aging is enabled
secure_last_mac_addr	(Optional) Secured last mac address
sticky_enable	(Optional) Specifies sticky feature is enabled on the port
secure_last_mac_addr_vlan_id	(Optional) Indicates the VLAN where the last MAC address seen on this interface

Command Mode

- /exec

show port-security interface

show port-security interface <interface-id> [__readonly__ <config_port_security> <oper_port_security> <port_status> <violation_mode> <aging_time> <aging_type> <max_mac_addr> <total_sec_addrs> <conf_num_addrs> <num_sticky_addrs> <trap_count>]

Syntax Description

port-security	Show secure port information
interface	Show secure interface
interface-id	ethernet
__readonly__	(Optional)
config_port_security	(Optional) Port Security configuration is Enabled/Disabled
oper_port_security	(Optional) Port Security is Operationally Enabled/Disabled
port_status	(Optional) Secure Up/Down
violation_mode	(Optional) Shutdown/Restrict/Protect
aging_time	(Optional) Aging time in minutes
aging_type	(Optional) Absolute/Inactivity
max_mac_addr	(Optional) Configured Maximum
total_sec_addrs	(Optional) Total number of secured MAC addresses
conf_num_addrs	(Optional) Number of configured MAC addresses
num_sticky_addrs	(Optional) Number of sticky MAC addresses
trap_count	(Optional) Trap Count

Command Mode

- /exec

show port-security multivlan address

show port-security multivlan address [__readonly__ { TABLE_eth_port_sec_multi_vlan <if_index> <vlan_id> <max_sec_mac_addr_count> <cur_sec_mac_addr_count> }]

Syntax Description

port-security	Show secure port information
address	Show secure address
multivlan	Show port security information for a particular vlan in a multivlan port
__readonly__	(Optional)
TABLE_eth_port_sec_multi_vlan	(Optional) Displays the secured MAC addresses
if_index	(Optional) Interface index
vlan_id	(Optional) vlan id
max_sec_mac_addr_count	(Optional) The maximum number of MAC addresses to be secured in the vlan
cur_sec_mac_addr_count	(Optional) Current number of MAC addresses secured in the VLAN

Command Mode

- /exec

show port-security secure address

show port-security secure address [__readonly__ { TABLE_eth_port_sec_if_vlan_secure_mac_addr <if_index> <mac_addr> <vlan_id> <mac_addr_type> <remain_age> }]

Syntax Description

port-security	Show secure port information
secure	Show detail information about secure address
address	Show secure address
__readonly__	(Optional)
TABLE_eth_port_sec_if_vlan_secure_mac_addr	(Optional) Displays the secured MAC addresses
if_index	(Optional) Interface index
mac_addr	(Optional) mac address
vlan_id	(Optional) vlan id
mac_addr_type	(Optional) static/sticky/ MAC address
remain_age	(Optional) Remaining age

Command Mode

- /exec

show port-security state

show port-security state [__readonly__ <status>]

Syntax Description

port-security	Port security related command
state	port security state
__readonly__	(Optional)
status	(Optional) show port-security

Command Mode

- /exec

show port-security traps enable

show port-security traps enable [__readonly__ { <snmp_traps_enable> }]

Syntax Description

port-security	Show secure port information
traps	Enable SNMP traps
enable	enable
__readonly__	(Optional)
snmp_traps_enable	(Optional) SNMP traps enable/disable

Command Mode

- /exec

show port naming

show port naming

Syntax Description

show	Show running system information
port	Show port information
naming	Show port naming information

Command Mode

- /exec

show power inline

show power inline <if0> [__readonly__ { TABLE_intf_info <intf_name> <admin> <oper> <supp_pwr> <del_pwr> <device> <class> <max> }]

Syntax Description

show	Show running system information
power	Power over Ethernet
if0	
__readonly__	(Optional)
TABLE_intf_info	(Optional) Interface information
intf_name	(Optional) Interface name
admin	(Optional) Port mode
oper	(Optional) Oper mode
supp_pwr	(Optional) Supplied power
del_pwr	(Optional) delivered power
device	(Optional) Device information
class	(Optional) POE Class
max	(Optional) Max power

Command Mode

- /exec

show power inline

show power inline [__readonly__ { TABLE_fex_info <module_id> <avail_pwr> <used_pwr> <rem_pwr> } { TABLE_intf_info <intf_name> <admin> <oper> <supp_pwr> <del_pwr> <device> <class> <max> }]

Syntax Description

show	Show running system information
power	Power over Ethernet
__readonly__	(Optional)
TABLE_fex_info	(Optional) FEX information
module_id	(Optional) FEX id
avail_pwr	(Optional) Available power
used_pwr	(Optional) Used power
rem_pwr	(Optional) Free power
TABLE_intf_info	(Optional) Interface information
intf_name	(Optional) Interface name
admin	(Optional) Port mode
oper	(Optional) Oper mode
supp_pwr	(Optional) Supplied power
del_pwr	(Optional) delivered power
device	(Optional) Device information
class	(Optional) POE Class
max	(Optional) Max power

Command Mode

- /exec

show power inline police

show power inline police [__readonly__ { TABLE_police <intf_name> <admin> <oper> <admin_police> <oper_police> <cutoff_pwr> <oper_pwr> }]

Syntax Description

show	Show running system information
power	Power over Ethernet
police	Show per-port policing
__readonly__	(Optional)
TABLE_police	(Optional) Police information
intf_name	(Optional) Interface name
admin	(Optional) Port mode
oper	(Optional) Oper mode
admin_police	(Optional) Configured admin police
oper_police	(Optional) Current police
cutoff_pwr	(Optional) Cutoff power
oper_pwr	(Optional) Oper power

Command Mode

- /exec

show power inline priority

show power inline priority [__readonly__ { TABLE_priority <intf_name> <admin> <oper> <priority> }]

Syntax Description

show	Show running system information
power	Power over Ethernet
priority	Show per-port priority
__readonly__	(Optional)
TABLE_priority	(Optional) Port priority information
intf_name	(Optional) Interface name
admin	(Optional) Port mode
oper	(Optional) Oper mode
priority	(Optional) port priority

Command Mode

- /exec

show privilege

show privilege

Syntax Description

show	Show running system information
privilege	Display privilege information

Command Mode

- /exec

show processes

show processes [__readonly__ { [TABLE_processes <pid> <state> <pc> <start_cnt> <tty> <p_type> <process>] }]

Syntax Description

show	Show running system information
processes	Show processes
__readonly__	(Optional)
TABLE_processes	(Optional) all process information
pid	(Optional) process id
state	(Optional) process state
pc	(Optional) pc register
start_cnt	(Optional) TBD
tty	(Optional) TBD
p_type	(Optional) process type
process	(Optional) process name

Command Mode

- /exec

show processes cpu

show processes cpu [sort] [__readonly__ { [TABLE_process_cpu <pid> <runtime> <invoked> <usecs> <onesec> <process>] [<user_percent>] [<kernel_percent>] [<idle_percent>] }]

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
sort	(Optional) Show processes CPU Info (Sorted by Cpu Util with time base)
__readonly__	(Optional)
TABLE_process_cpu	(Optional) all process memory
pid	(Optional) process id
runtime	(Optional) Runtime
invoked	(Optional) Invoked
usecs	(Optional) usecs
onesec	(Optional) fivesec
process	(Optional) name of the process
user_percent	(Optional) user
kernel_percent	(Optional) kernel
idle_percent	(Optional) idle

Command Mode

- /exec

show processes cpu history

show processes cpu history

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History

Command Mode

- /exec

show processes cpu history data

show processes cpu history data [__readonly__ { [TABLE_processes_cpu_history <cpu_avg_sec>] }]

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History
data	Display the CPU util as data, instead of graph
__readonly__	(Optional)
TABLE_processes_cpu_history	(Optional) 60 sec cpu history
cpu_avg_sec	(Optional) cpu avg for a sec

Command Mode

- /exec

show processes cpu module

show processes cpu module <i0> [__readonly__ { [TABLE_process_cpu <pid> <runtime> <invoked> <usecs> <onesec> <process>] [<user_percent>] [<kernel_percent>] [<idle_percent>] }]

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
module	processes CPU Info
i0	module number
__readonly__	(Optional)
TABLE_process_cpu	(Optional) all process memory
pid	(Optional) process id
runtime	(Optional) Runtime
invoked	(Optional) Invoked
usecs	(Optional) usecs
onesec	(Optional) onesec
process	(Optional) name of the process
user_percent	(Optional) user
kernel_percent	(Optional) kernel
idle_percent	(Optional) idle

Command Mode

- /exec

show processes log

show processes log [__readonly__ { [TABLE_processes_log <vdc> <process> <pid> <normal_exit> <stack> <core> <create_time>] }]

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
__readonly__	(Optional)
TABLE_processes_log	(Optional) all processes log
vdc	(Optional) vdc
process	(Optional) vdc process name
pid	(Optional) pid
normal_exit	(Optional) process exit
stack	(Optional) stack
core	(Optional) core
create_time	(Optional) log create time

Command Mode

- /exec

show processes log details

show processes log details [__readonly__ { line_in_log_detail <line_in_file> }]

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
details	Show detail of all logs with stack
__readonly__	(Optional)
line_in_log_detail	(Optional)
line_in_file	(Optional) each line

Command Mode

- /exec

show processes log pid

show processes log pid <i0> [__readonly__ { TABLE_line_in_log_pid <line_in_file> }]

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
pid	Show detail log info about a specific process
i0	pid of the process
__readonly__	(Optional)
TABLE_line_in_log_pid	(Optional)
line_in_file	(Optional) each line

Command Mode

- /exec

show processes log vdc-all

show processes log vdc-all [__readonly__ { [TABLE_processes_log_vdc_all <vdc> <process> <pid> <normal_exit> <stack> <core> <create_time>] }]

Syntax Description

TABLE_processes_log_vdc_all	(Optional) all processes log vdc all
show	Show running system information
processes	Show processes
log	Show information about process logs
vdc-all	Show information about process logs in all vdc's
__readonly__	(Optional)
vdc	(Optional) vdc process name
process	(Optional) vdc process name
pid	(Optional) process id
normal_exit	(Optional) process exit
stack	(Optional) stack
core	(Optional) core
create_time	(Optional) log create time

Command Mode

- /exec

show processes memory

show processes memory [__readonly__ { TABLE_process_memory <mem_pid> <mem_alloc> <mem_limit> <mem_used> <stack_base_ptr> <process> }]

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info
__readonly__	(Optional)
TABLE_process_memory	(Optional) all process memory
mem_pid	(Optional) process id
mem_alloc	(Optional) allocated memory
mem_limit	(Optional) memory limit
mem_used	(Optional) memory used
stack_base_ptr	(Optional) stack and base pointer
process	(Optional) name of the process

Command Mode

- /exec

show processes memory clis

show processes memory clis [shared | private]

Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
clis	
shared	(Optional) Display CLIS shared memory information
private	(Optional) Display CLIS private memory information

Command Mode

- /exec

show processes memory physical

show processes memory physical [__readonly__ { TABLE_process_physical_memory <processid> <virtual> <physical> <rss> <processname> }]

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info
physical	Show processes physical Memory
__readonly__	(Optional)
TABLE_process_physical_memory	(Optional) all process physical memory
processid	(Optional) process id
virtual	(Optional) virtual allocated memory
physical	(Optional) physical memory used
rss	(Optional) rss memory
processname	(Optional) name of the process

Command Mode

- /exec

show processes memory shared

show processes memory shared [detail | dynamic] [__readonly__ TABLE_process_tag [<process-tag-out>] [<process-memory-share-dynamic-component-str>] [<process-memory-share-dynamic-shared-memory-str>] [<process-memory-share-dynamic-current-size-str>] [<process-memory-share-dynamic-max-size-str>] [<process-memory-share-dynamic-used-str>] [<process-memory-share-component-str>] [<process-memory-share-shared-memory-str>] [<process-memory-share-size-str>] [<process-memory-share-used-str>] [<process-memory-share-available-str>] [<process-memory-share-ref-str>] [<process-memory-share-byte-set-address-str>] [<process-memory-share-byte-set-count-str>] [<process-memory-share-address-str>] [<process-memory-share-kbytes-1-str>] [<process-memory-share-kbytes-2-str>] [<process-memory-share-kbytes-3-str>] [<process-memory-share-count-str>] [{ TABLE_SMMITEM <process-memory-share-smr-name> }] [{ TABLE_SHOWPROC <process-memory-share-table-showproc-key> [{ TABLE_SHOWONEDYNAMIC [<process-memory-share-component>] [<process-memory-share-shared-memory>] [<process-memory-share-current-size>] [<process-memory-share-max-size>] [<process-memory-share-used>] }] [{ TABLE_ONEITEM [<process-memory-share-proc-smr-name>] [<process-memory-share-smr-addr>] [<process-memory-share-smr-size>] [<process-memory-share-smr-star-char>] [<process-memory-share-smr-empty-char>] [<process-memory-share-smr-used>] [<process-memory-share-smr-avail>] [<process-memory-share-smr-ref-count>] [<process-memory-share-dynamic-smr-name>] }] [{ TABLE_ONEITEMDYNAMIC [<process-memory-share-dynamic-smr-addr>] [<process-memory-share-dynamic-smr-size>] [<process-memory-share-dynamic-plus-char>] [<process-memory-share-max-mem-size-str>] [<process-memory-share-dynamic-smr-used>] [<process-memory-share-dynamic-smr-avail>] [<process-memory-share-dynamic-smr-ref-count>] [<process-memory-share-region-smr-name>] }] }] [<process-memory-share-total-shm-size>] [<process-memory-share-total-shm-used>] [<process-memory-share-total-shm-avail>]]

Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
shared	Display shared memory info
detail	(Optional) Display shared memory in bytes instead of default kbytes
dynamic	(Optional) Display details of dynamic shared memory segments
__readonly__	(Optional)
TABLE_process_tag	(Optional)
process-tag-out	(Optional)
process-memory-share-dynamic-component-str	(Optional)
process-memory-share-dynamic-shared-memory-str	(Optional)
process-memory-share-dynamic-current-size-str	(Optional)

process-memory-share-dynamic-max-size-str	(Optional)
process-memory-share-dynamic-used-str	(Optional)
process-memory-share-component-str	(Optional)
process-memory-share-shared-memory-str	(Optional)
process-memory-share-size-str	(Optional)
process-memory-share-used-str	(Optional)
process-memory-share-available-str	(Optional)
process-memory-share-ref-str	(Optional)
process-memory-share-byte-set-address-str	(Optional)
process-memory-share-byte-set-count-str	(Optional)
process-memory-share-address-str	(Optional)
process-memory-share-kbytes-1-str	(Optional)
process-memory-share-kbytes-2-str	(Optional)
process-memory-share-kbytes-3-str	(Optional)
process-memory-share-count-str	(Optional)
TABLE_SMMITEM	(Optional)
process-memory-share-smr-name	(Optional)
TABLE_SHOWPROC	(Optional)
process-memory-share-table-showproc-key	(Optional)
TABLE_SHOWONEDYNAMIC	(Optional)
process-memory-share-component	(Optional)
process-memory-share-shared-memory	(Optional)
process-memory-share-current-size	(Optional)
process-memory-share-max-size	(Optional)
process-memory-share-used	(Optional)
TABLE_ONEITEM	(Optional)
process-memory-share-proc-smr-name	(Optional)
process-memory-share-smr-addr	(Optional)
process-memory-share-smr-size	(Optional)

process-memory-share-smr-star-char	(Optional)
process-memory-share-smr-empty-char	(Optional)
process-memory-share-smr-used	(Optional)
process-memory-share-smr-avail	(Optional)
process-memory-share-smr-ref-count	(Optional)
TABLE_ONEITEMDYNAMIC	(Optional)
process-memory-share-dynamic-smr-name	(Optional)
process-memory-share-dynamic-smr-addr	(Optional)
process-memory-share-dynamic-smr-size	(Optional)
process-memory-share-dynamic-plus-char	(Optional)
process-memory-share-max-mem-size-str	(Optional)
process-memory-share-dynamic-smr-used	(Optional)
process-memory-share-dynamic-smr-avail	(Optional)
process-memory-share-dynamic-smr-ref-count	(Optional)
process-memory-share-region-smr-name	(Optional)
process-memory-share-total-shm-size	(Optional)
process-memory-share-total-shm-used	(Optional)
process-memory-share-total-shm-avail	(Optional)

Command Mode

- /exec

show processes vdc

show processes vdc <e-vdc2> [__readonly__ { TABLE_processes_vdc <pid> <state> <pc> <start_cnt> <tty> <p_type> <process> }]

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Enter Virtual Device Context <vdc-id>
__readonly__	(Optional) Read only
TABLE_processes_vdc	(Optional) All process information
pid	(Optional) PID of process
state	(Optional) State of process
pc	(Optional) PC in which process exists
start_cnt	(Optional) TBD
tty	(Optional) TBD
p_type	(Optional) Type of Process
process	(Optional) Process Name

Command Mode

- /exec

show processes vdc cpu

show processes vdc <e-vdc2> cpu [__readonly__ [TABLE_process_vdc_cpu <pid> <runtime> <invoked> <usecs> <onesec> <process>] [<user_percent>] [<kernel_percent>] [<idle_percent>]]

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Enter Virtual Device Context <vdc-id>
cpu	Show processes CPU Info
__readonly__	(Optional) Readonly table for cpu log
TABLE_process_vdc_cpu	(Optional) All cpu process logs of vdc
pid	(Optional) PID of process
runtime	(Optional) Runtime
invoked	(Optional) Invoked
usecs	(Optional) uSecs
onesec	(Optional) fivesec
process	(Optional) Name of process
user_percent	(Optional) user
kernel_percent	(Optional) kernel
idle_percent	(Optional) idle

Command Mode

- /exec

show processes vdc log

show processes vdc <e-vdc2> log [__readonly__ { [TABLE_processes_vdc_log <vdc> <process> <pid> <normal_exit> <stack> <core> <create_time>] }]

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
__readonly__	(Optional) Read only table
TABLE_processes_vdc_log	(Optional) Table for log of all VDC Processes
pid	(Optional) PID of process
vdc	(Optional) VDC Number
process	(Optional) Process name
normal_exit	(Optional) Normal Exit status
stack	(Optional) Stack
core	(Optional) Core
create_time	(Optional) Time stamp of log

Command Mode

- /exec

show processes vdc log details

show processes vdc <e-vdc2> log details

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
details	Show detail of all logs with stack

Command Mode

- /exec

show processes vdc log pid

show processes vdc <e-vdc2> log pid <i1>

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Enter Virtual Device Context <vdc-id>
log	Show information about process logs
pid	Show detail log info about a specific process
i1	pid of the process

Command Mode

- /exec

show processes vdc memory

show processes vdc <e-vdc2> memory [__readonly__ { [TABLE_process_memory <mem_pid> <mem_alloc> <mem_limit> <mem_used> <stack_base_ptr> <process>] [<sum_mem_malloced>] }]

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Enter Virtual Device Context <vdc-id>
memory	Show processes Memory Info
__readonly__	(Optional)
TABLE_process_memory	(Optional) all process memory
mem_pid	(Optional) process id
mem_alloc	(Optional) allocated memory
mem_limit	(Optional) memory limit
mem_used	(Optional) memory used
stack_base_ptr	(Optional) stack and base pointer
process	(Optional) name of the process

Command Mode

- /exec

show processes version

show processes { version | threads } [<comp-string>] [__readonly__ TABLE_component <component-name> <version> <buildinfo> <sourceversion>]

Syntax Description

show	Show running system information
processes	Display process information
version	Display system release information
threads	Threads Info
comp-string	(Optional) Component name for detailed information
__readonly__	(Optional)
TABLE_component	(Optional)
component-name	(Optional)
version	(Optional)
buildinfo	(Optional)
sourceversion	(Optional)

Command Mode

- /exec

show pss debug

show pss debug

Syntax Description

show	Show running system information
pss	display pss information
debug	display pss debug configuration

Command Mode

- /exec

show ptp brief

show ptp brief [__readonly__ <gptp-flag> [TABLE_ptp <ptp-ifindex> <state> [<dot1as-capable>]] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
brief	port states in brief
__readonly__	(Optional) Read Only
gptp-flag	(Optional) GPTP mode
TABLE_ptp	(Optional) ptp table
ptp-ifindex	(Optional) ptp ifindex
state	(Optional) BMC state
dot1as-capable	(Optional) Dot1AS capable
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp clock

show ptp clock [__readonly__ <clock-id> <domain-id> <num-ports> <priority1> <priority2> <class> <accuracy> <scaled-log-variance> <offset-from-master> <mean-path-delay-to-master> <steps-removed> <device-type> <encap> <two-step-clock> <src-ip> <slave-only> [<correction-threshold>] [<mean-path-delay-threshold>] [<gmTimeBaseIndicator>] [<last_gm_phase_change>] [<master_cum_scaled_rate_offset>] [<scaled_last_gm_freq_change>] [<cum_scaled_rate_offset>] <local-clock-time> <bs-status>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes
__readonly__	(Optional) Read only
domain-id	(Optional) Domain Id
clock-id	(Optional) Clock Id
priority1	(Optional) Priority 1
priority2	(Optional) Priority 2
num-ports	(Optional) Number of PTP ports
class	(Optional) Class
accuracy	(Optional) Clock accuracy
scaled-log-variance	(Optional) scaled log variance
offset-from-master	(Optional) Offset from master
mean-path-delay-to-master	(Optional) mean path delay to master
steps-removed	(Optional) Steps removed
device-type	(Optional) Device Type
encap	(Optional) Encapsulation
src-ip	(Optional) IPv4 address (A.B.C.D) of source (in layer-3 encapsulation)
two-step-clock	(Optional) Two-step clock operation
slave-only	(Optional) Slave-only mode
correction-threshold	(Optional) correction-threshold
mean-path-delay-threshold	(Optional) mean-path-delay threshold
gmTimeBaseIndicator	(Optional) time base indicator for current GM

last_gm_phase_change	(Optional) time difference of current and previous GM
master_cum_scaled_rate_offset	(Optional) cumulative scaled rate offset received from master
scaled_last_gm_freq_change	(Optional) scaled last GM frequency change
cum_scaled_rate_offset	(Optional) cumulative scaled rate offset
local-clock-time	(Optional) Local clock time
bs-status	(Optional) Broadsync status enable/disable

Command Mode

- /exec

show ptp clock foreign-masters record

show ptp clock foreign-masters record [interface <if0>] [__readonly__ [TABLE_ptp <interface-name> <clock-id> <priority1> <priority2> <class> <accuracy> <scaled-log-variance> <steps-removed> <is-gm>] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
clock	Set local clock attributes
foreign-masters	foreign-masters
record	record
if0	(Optional)
__readonly__	(Optional) Read only
TABLE_ptp	(Optional) ptp table
interface-name	(Optional) interface name
clock-id	(Optional) Clock Id
priority1	(Optional) Priority 1
priority2	(Optional) Priority 2
class	(Optional) Class
accuracy	(Optional) Clock accuracy
scaled-log-variance	(Optional) scaled log variance
steps-removed	(Optional) Steps removed
is-gm	(Optional) Is Grandmaster
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp corrections

show ptp corrections [__readonly__ [TABLE_ptp <intf-name> <sup-time> <correction-val> <mean-path-delay>] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
__readonly__	(Optional) Read Only
corrections	Display last few corrections
TABLE_ptp	(Optional) ptp table
intf-name	(Optional) interface name
sup-time	(Optional) sup time
correction-val	(Optional) correction value
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp cost

show ptp cost [interface <if0>] [__readonly__ [TABLE_ptp <ptp-ifindex> <cost>] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
cost	port costs
if0	(Optional)
__readonly__	(Optional) Read Only
TABLE_ptp	(Optional) ptp table
ptp-ifindex	(Optional) ptp ifindex
cost	(Optional) cost
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp counters interface

show ptp counters { interface <if0> | all } [{ detail | ipv4 <ip> }] [__readonly__ [TABLE_ptp <interface_name> [<accepted-ip>] <tx-announce-pkts> <rx-announce-pkts> <tx-sync-pkts> <rx-sync-pkts> <tx-follow-up-pkts> <rx-follow-up-pkts> <tx-delay-req-pkts> <rx-delay-req-pkts> <tx-delay-resp-pkts> <rx-delay-resp-pkts> <tx-pdelay-req-pkts> <rx-pdelay-req-pkts> <tx-pdelay-resp-pkts> <rx-pdelay-resp-pkts> <tx-pdelay-follow-up-pkts> <rx-pdelay-follow-up-pkts> [<tx-mgmt-pkts>] [<rx-mgmt-pkts>]] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
__readonly__	(Optional) Read Only
counters	Display PTP packet counters
interface	Enter the port interface
all	Displays all information
if0	
detail	(Optional) Show detail
ipv4	(Optional) IP address for the stat info
ip	(Optional) IPv4 address (A.B.C.D)
TABLE_ptp	(Optional) ptp table
interface_name	(Optional) interface name
accepted-ip	(Optional) Accepted IP in unicast mode
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp delay summary

show ptp delay summary [__readonly__ { TABLE_ptp <intf-name-port> <device-type> <state> <link-delay> } <ptp-end> <gptp-not-supported>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
delay	delay
summary	summary
__readonly__	(Optional) Read only
TABLE_ptp	(Optional) ptp table
intf-name-port	(Optional) interface name and port
device-type	(Optional) Device Type
state	(Optional) BMC state
link-delay	(Optional) link delay
ptp-end	(Optional) End of table
gptp-not-supported	(Optional) GPTP not supported

Command Mode

- /exec

show ptp domain data

show ptp domain data [__readonly__ [TABLE_ptp <multidom_cap> <gm_cap> <gm_convergence_time> <def_dom> <transition_priority1> <transition_priority2> { TABLE_ptp_domain <domain_number> <domain_priority> <ptp_clock_class_threshold> <ptp_clock_accuracy_threshold> <ptp-ifindex> }] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
domain	ptp domain number
data	ptp domain data
__readonly__	(Optional) Read Only
TABLE_ptp	(Optional) ptp table
multidom_cap	(Optional) Multidomain state ENABLED/DISABLED
gm_cap	(Optional) GM state ENABLE/DISABLED
gm_convergence_time	(Optional) ptp grandmaster convergence time
def_dom	(Optional) ptp default domain
transition_priority1	(Optional) ptp multi-domain transition priority1
transition_priority2	(Optional) ptp multi-domain transition priority2
TABLE_ptp_domain	(Optional)
domain_number	(Optional) ptp domain number
domain_priority	(Optional) ptp domain priority
ptp_clock_class_threshold	(Optional) ptp domain class
ptp_clock_accuracy_threshold	(Optional) ptp domain accuracy
ptp-ifindex	(Optional) ptp ifindex
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp interface domain

show ptp interface domain [__readonly__ [TABLE_ptp <ptp-ifindex> <interface-domain>] <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
interface	port
domain	ptp port domain
__readonly__	(Optional) Read Only
TABLE_ptp	(Optional) ptp table
ptp-ifindex	(Optional) ptp ifindex
interface-domain	(Optional) ptp port domain
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp packet-trace

show ptp packet-trace [__readonly__ [TABLE_ptp <intf-name> <sup-time> <pkt_dir> <pkt_type> <pkt_info>] <ptp-header> <ptp-end>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
__readonly__	(Optional) Read Only
packet-trace	Display last few pkt traces
TABLE_ptp	(Optional) ptp table
intf-name	(Optional) interface name
sup-time	(Optional) sup time
pkt_dir	(Optional) pkt_dir
pkt_type	(Optional) pkt_type
pkt_info	(Optional) pkt_info
ptp-header	(Optional) Start of table
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp parent

show ptp parent [__readonly__ <clock-id> <port-num> <obs-parent-offset> <obs-parent-clk-phase-chg> [<parent-ip>] <gm-id> <gm-class> <gm-accuracy> <gm-scaled-log-variance> <gm-priority1> <gm-priority2> [TABLE-path-trace <path-trace-index> <path-trace-clock-id>]]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
parent	parent clock
__readonly__	(Optional) Read only
clock-id	(Optional) Clock Id
port-num	(Optional) Port ID: port number
obs-parent-offset	(Optional) observed parent offset
obs-parent-clk-phase-chg	(Optional) observed parent clock phase change
parent-ip	(Optional) Parent clock IP
gm-id	(Optional) Grandmaster Id
gm-class	(Optional) Class
gm-accuracy	(Optional) Clock accuracy
gm-scaled-log-variance	(Optional) scaled log variance
gm-priority1	(Optional) GM Priority 1
gm-priority2	(Optional) GM Priority 2
TABLE-path-trace	(Optional) ptp path trace table
path-trace-index	(Optional) Clock Identity index
path-trace-clock-id	(Optional) Clock Identity in path trace

Command Mode

- /exec

show ptp port interface

show ptp port interface <if0> [__readonly__ <intf-name> <clock-id> <port-num> <version> <transport-mode> <accepted-ip> <state> <vlan> <delay-req-intv> <ann-rx-tout> <peer-mean-path-delay> <ann-intv> <sync-intv> <delay-mechanism> <peer-delay-req-intv> <device-type> <encap> [<prop-delay-thresh>] [<neighbor-rate-ratio>] <cost> <int-domain-id>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
port	port
interface	Enter the port interface
if0	
__readonly__	(Optional) Read only
intf-name	(Optional) interface name
clock-id	(Optional) Port ID: Clock Id
port-num	(Optional) Port ID: port number
version	(Optional) version
transport-mode	(Optional) Transport mode
accepted-ip	(Optional) Accepted IPs
state	(Optional) BMC state
vlan	(Optional) Vlan
delay-req-intv	(Optional) log mean delay req interval
ann-rx-tout	(Optional) announce receipt timeout
peer-mean-path-delay	(Optional) peer mean path delay
ann-intv	(Optional) announce interval
sync-intv	(Optional) sync interval
delay-mechanism	(Optional) delay mechanism
peer-delay-req-intv	(Optional) peer delay req interval
prop-delay-thresh	(Optional) propagation delay threshold
neighbor-rate-ratio	(Optional) Neighbor rate-ratio
cost	(Optional) Cost

int-domain-id	(Optional) domain id
device-type	(Optional) Device Type
encap	(Optional) Encapsulation

Command Mode

- /exec

show ptp time-property

show ptp time-property [__readonly__ <current-utc-offset-valid> <current-utc-offset> <leap-59> <leap-61> <time-traceable> <freq-traceable> <ptp-timescale> <time-source>]

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
time-property	time property
__readonly__	(Optional) Read only
current-utc-offset-valid	(Optional) current_utc_offset_valid
current-utc-offset	(Optional) current_utc_offset
leap-59	(Optional) leap-59
leap-61	(Optional) leap-61
time-traceable	(Optional) time-traceable
freq-traceable	(Optional) freq-traceable
ptp-timescale	(Optional) ptp-timescale
time-source	(Optional) time-source

Command Mode

- /exec

Q Show Commands

- show qos dcbxp incompatibility interface, on page 2294
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- show qos dcbxp interface, on page 2296
- show qos shared-policer, on page 2298
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- show queuing tah-pfc-queue, on page 2310

show qos dcbxp incompatibility interface

show qos dcbxp incompatibility interface <iface-num> [__readonly__ { <pfc> <mtu> <lpg> <rpg> <bw> <lfcoe> <rfcoe> <liscsi> <riscsi> }]

Syntax Description

show	Show running system information
dcbxp	DCBXP
incompatibility	incompatibility information
interface	incompatibility info for interface
iface-num	Interface
__readonly__	(Optional)
pfc	(Optional) pfc
mtu	(Optional) MTU Value
lpg	(Optional) Local Priority Grouping
rpg	(Optional) Remote Priority Grouping
bw	(Optional) CIN: bandwidth/priority
lfcoe	(Optional) local fcoe
rfcoe	(Optional) remote fcoe
liscsi	(Optional) local iscsi
riscsi	(Optional) remote iscsi

Command Mode

- /exec

show qos dcbxp info

show qos dcbxp info [__readonly__ { TABLE_dcbxp <intf> <pfcr> <pfcc> <pgr> <pgc> <mtur> <mtuc> <fcoer> <fcoec> <iscsir> <iscsic> }]

Syntax Description

show	Show running system information
dcbxp	DCBXP
info	information
__readonly__	(Optional)
TABLE_dcbxp	(Optional) dxcbxp info
intf	(Optional) Interface
pfcr	(Optional) pfc recvd
pfcc	(Optional) pfc compatible
pgr	(Optional) pg received
pgc	(Optional) pg compatible
mtur	(Optional) mtu received
mtuc	(Optional) mtu compatible
fcoer	(Optional) fcoe received
fcoec	(Optional) fcoe compatible
iscsir	(Optional) iscsi received
iscsic	(Optional) iscsi compatible

Command Mode

- /exec

show qos dcbxp interface

show qos dcbxp interface [<iface>] [__readonly__ [<intf> { <info_absent> | { [<local_pfc_cap> <local_pfc_enable_list>] [<peers_pfc_cap> <peers_pfc_enable_list>] [<local_ets_maxtc> <local_ets_priority_list> <local_ets_bandwidth_list> <local_ets_tsa_list>] [<peers_ets_maxtc> <peers_ets_priority_list> <peers_ets_bandwidth_list> <peers_ets_tsa_list>] [<local_app_pri> <local_app_type> <local_app_num>] + [<peers_app_pri> <peers_app_type> <peers_app_num>] + [<local_map_pri> <local_map_dscp>] + [<peers_map_pri> <peers_map_dscp>] + } }] +]

Syntax Description

show	Show running system information
qos	QoS
dcbxp	DCBXP
interface	Per-interface information
iface	(Optional) Interface
__readonly__	(Optional)
intf	(Optional) Interface
info_absent	(Optional) No information is present for this Interface.
local_pfc_cap	(Optional) Number of Local Flows
local_pfc_enable_list	(Optional) List of Local Flows Enabled
peers_pfc_cap	(Optional) Number of Peer Flows
peers_pfc_enable_list	(Optional) List of Peer Flows Enabled
local_ets_maxtc	(Optional) Local ETS Maximum Traffic Classes
local_ets_priority_list	(Optional) Local ETS Priority List
local_ets_bandwidth_list	(Optional) Local ETS Bandwidth List
local_ets_tsa_list	(Optional) Local ETS TSA List
peers_ets_maxtc	(Optional) Peer ETS Maximum Traffic Classes
peers_ets_priority_list	(Optional) Peer ETS Priority List
peers_ets_bandwidth_list	(Optional) Peer ETS Bandwidth List
peers_ets_tsa_list	(Optional) Peer ETS TSA List
local_app_pri	(Optional) Local Application Priority
local_app_type	(Optional) Local Application Number Type

local_app_num	(Optional) Local Application Number
peers_app_pri	(Optional) Peer Application Priority
peers_app_type	(Optional) Peer Application Number Type
peers_app_num	(Optional) Peer Application Number
local_map_pri	(Optional) Local Map Priority
local_map_dscp	(Optional) Local Map DSCP Value
peers_map_pri	(Optional) Peer Map Priority
peers_map_dscp	(Optional) Peer Map DSCP Value

Command Mode

- /exec

show qos shared-policer

show qos shared-policer [type qos1] [<policer-name>] [__readonly__ { [TABLE_policer <policer-name2> [<cir-spec>] [<bc-spec>] [<be-spec>] [<cir-rate-units>] [<cir>] [<bc-size-units>] [<bc>] [<pir-rate-units>] [<pir>] [<be-size-units>] [<be>] [<cnf-col-cmap>] [<exc-col-cmap>] [TABLE_action <action-key> [<cnf-act>] [<exc-act>] [<vio-act>] [<set-type>] [<enum-spec>] [<set-val>] [<tmap-from>] [<tmap-to>] [<tmap-name>]]] }]

Syntax Description

show	Show running system information
shared-policer	Shared policer
type	(Optional) Type of shared policer
qos1	(Optional) type qos
policer-name	(Optional) Shared policer name
__readonly__	(Optional)
TABLE_policer	(Optional) all police xml sessions
policer-name2	(Optional) Policer Name
TABLE_action	(Optional) all police actions xml sessions
action-key	(Optional) Count
cir-spec	(Optional) Is CIR keyword specified
bc-spec	(Optional) Is Committed Burst keyword specified
be-spec	(Optional) Is Extended Burst keyword specified
cir-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
pir-rate-units	(Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps
bc-size-units	(Optional) Units of size - pkts/bytes/kbytes/mbytes/ms/us/perc
be-size-units	(Optional) Units of size - pkts/bytes/kbytes/mbytes/ms/us/perc
tmap-from	(Optional)
tmap-to	(Optional)
tmap-name	(Optional) Table map name
cnf-col-cmap	(Optional) Conforming color class-map name
exc-col-cmap	(Optional) Exceeding color class-map name
enum-spec	(Optional) Is DSCP or PREC enum value specified

cnf-act	(Optional) Conform action (Police)
exc-act	(Optional) Exceed action (Police)
vio-act	(Optional) Violate action (Police)
set-type	(Optional) Type of set in police action
set-val	(Optional) Value of set type in police action

Command Mode

- /exec

show queuing

show queuing [interface [<if_list>]] [summary] [module <module>] [__readonly__ [TABLE_interface_mtu <intf_name> <mtu_val>] [TABLE_queuing_interface <dir> <if_name_str> [TABLE_qosgrp_cfg <qosgrp> [<bandwidth>] [<priority>] [<shape-min>] [<shape-max>] [<shape-units>] [<buffer-size>] [<pause-threshold>] [<resume-threshold>] [<q-limit>] [<q-limit-type>]] [<mc-drop-pkt>] [TABLE_qosgrp_egress_stats <eq-qosgrp> [TABLE_qosgrp_egress_stats_entry <eq-stat-type> <eq-stat-units> <eq-uc-stat-value> [<eq-oobfc-uc-stat-value>] [<eq-mc-stat-value>]]] [TABLE_egress_stats_entry <ep-stat-type> <ep-stat-units> <ep-stat-value>] [TABLE_ingress_stats_entry <ip-stat-type> <ip-stat-units> <ip-stat-value>] [<tx-ppp> <rx-ppp> [TABLE_pfc_stats <cos> [<pfc-qosgrp>] [<pfc-pg>] <tx-pause-state> <tx-pause-count> <rx-pause-state> <rx-pause-count>]]]]

Syntax Description

show	commands to display
queuing	Queuing related information
interface	(Optional) Interface for displaying queuing config
if_list	(Optional) List of interfaces
module	(Optional) Slot/module
module	(Optional) Slot/module number
summary	(Optional) summary
__readonly__	(Optional)
TABLE_interface_mtu	(Optional) mtu values of each interface
intf_name	(Optional) interface name
mtu_val	(Optional) mtu val of interface
TABLE_queuing_interface	(Optional) Queuing information of an interface
dir	(Optional) Direction
if_name_str	(Optional) interface name
TABLE_qosgrp_cfg	(Optional) Qos-group configuration
qosgrp	(Optional) Qos-group value
bandwidth	(Optional) WRR bandwidth
priority	(Optional) Priority level
shape-units	(Optional) Shape units
q-limit	(Optional) Queue limit
q-limit-type	(Optional) Queue limit type (S-Static, D-Dynamic, U-Unlimited)

TABLE_qosgrp_egress_stats	(Optional) Qos-group egress statistics
eq-qosgrp	(Optional) Qos-group value
TABLE_qosgrp_egress_stats_entry	(Optional) Qos-group egress statistics entry
eq-stat-type	(Optional) Qos-group egress statistics type
eq-stat-units	(Optional) Qos-group egress statistics units
TABLE_egress_stats_entry	(Optional) Egress port statistics
ep-stat-type	(Optional) Egress port statistics type
ep-stat-units	(Optional) Egress port statistics units
TABLE_ingress_stats_entry	(Optional) Ingress port statistics
ip-stat-type	(Optional) Ingress port statistics type
ip-stat-units	(Optional) Ingress port statistics units
TABLE_pfc_stats	(Optional) Per COS PFC statistics
cos	(Optional) PFC COS
pfc-qosgrp	(Optional) Qos-group of the given COS
pfc-pg	(Optional) PG of the given COS/Qos-group
tx-pause-state	(Optional) Tx PFC state of the given COS
rx-pause-state	(Optional) Rx PFC state of the given COS

Command Mode

- /exec

show queuing burst-detect

show queuing burst-detect [interface <if_name> [queue <queue_num>]] [module <module>] [detail] [__readonly__ [TABLE_instance [<if-str>] [<queue>] [<pipe>] [<threshold>] [<start-time>] [<peak>] [<peak-time>] [<end-depth>] [<end-time>] [<duration>]]]

Syntax Description

show	commands to display
queuing	Queuing related information
burst-detect	Out of Band micro-burst queue statistics
interface	(Optional) Interface
if_name	(Optional) interface name
queue	(Optional) Queue number for displaying statistics
queue_num	(Optional) Queue number
module	(Optional) Slot/module
module	(Optional) Slot/module number
detail	(Optional) detailed statistics
if-str	(Optional) Interface name
__readonly__	(Optional) Read Only
TABLE_instance	(Optional) Instance
queue	(Optional) Queue Number
pipe	(Optional) XPE-A or XPE-B
threshold	(Optional) Threshold value in bytes
start-time	(Optional) Start time of burst
peak	(Optional) Peak depth in bytes
peak-time	(Optional) Peak time of burst
end-depth	(Optional) End depth in bytes
end-time	(Optional) End time of burst
duration	(Optional) Duration of burst

Command Mode

- /exec

show queuing pfc-queue

show queuing pfc-queue [interface <if_list>] [module <module>] [detail] [__readonly__ <glb-wd-status> <glb-wd-timer> <glb-wd-timer-thresh> <glb-auto-restore> <glb-fixed-restore> <glb-int-intf-multi> <disable-action> <intf-multi> [TABLE_queuing_interface <if_name_str> [TABLE_qosgrp_stats <eq-qosgrp> [TABLE_qosgrp_stats_entry <q-stat-type> <q-shutdown> <q-restored> <q-pkt-drained> <q-pkt-dropped> <q-pkt-drained-n-dropped> <q-aggr-pkt-dropped> <q-ing-pkt-dropped> <q-ing-aggr-pkt-dropped>]] [TABLE_qosgrp_stats_summary <qosgrp-summary>]]]

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
if_list	(Optional) List of interfaces
module	(Optional) Slot/module
module	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information
__readonly__	(Optional)
glb-wd-status	(Optional) Global watch-dog timer status
glb-wd-timer	(Optional) Global watch-dog timer value in msec
glb-wd-timer-thresh	(Optional) Global watch-dog timer thresh value in ms
glb-auto-restore	(Optional) Global auto restore multiplier value
glb-fixed-restore	(Optional) Global fixed restore multiplier value
glb-int-intf-multi	(Optional) Global internal interface multiplier value
disable-action	(Optional) Only generate syslog for queue stuck, no action
intf-multi	(Optional) Interface mulitplier value
if_name_str	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
eq-qosgrp	(Optional) Qos-group value
TABLE_qosgrp_stats_entry	(Optional) Qos-group egress statistics entry

q-stat-type	(Optional) Queue stat
TABLE_qosgrp_stats_summary	(Optional) Qos-group egress statistics summary
qosgrp-summary	(Optional) Qos-group summary value

Command Mode

- /exec

showqueuingpfc-queueinterfacesnmpwatchdogIfQueueTable ifIndex

show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex <ifindex> [__readonly__ [TABLE_watchdogIfQueueTable <ifindex> [TABLE_qosgrp_stats <eq-qosgrp> <state> <shutdowns> <restores> <dropPkts> <totaldropPkts> <ingDropPkts> <totalIngDropPkts>]]]

Syntax Description

show	commands to display
queuing	Queuing related information
pfc-queue	PFC Queuing related information
interface	Interface for displaying queuing config
snmp	commands for snmp
watchdogIfQueueTable	Table
ifIndex	port ifIndex
ifindex	interfaces ifIndex
__readonly__	(Optional)
TABLE_watchdogIfQueueTable	(Optional) PFC Queuing information of an interface
ifindex	(Optional) interface ifindex
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
eq-qosgrp	(Optional) Qos-group value
state	(Optional) Queue state
shutdowns	(Optional) Number of times queue is shutdown
restores	(Optional) Number of times queue is restored
dropPkts	(Optional) Total Number of packets drained + dropped since last shutdown
totaldropPkts	(Optional) Number of aggregate packets dropped during shutdowns
ingDropPkts	(Optional) Total Number of packets dropped in the ingress direction since last shutdown
totalIngDropPkts	(Optional) Number of aggregate packets dropped in the ingress direction during shutdowns

Command Mode

- /exec

show queuing pfc-queue snmp ifIndex

show queuing pfc-queue snmp ifIndex <ifidx> [__readonly__ TABLE-cpfcWatchdogIfQueueInfoTable <ifidx_out> <queueno_out> <q-state> <q-shutdown> <q-restored> <q-pkt-dropped> <q-aggr-pkt-dropped> <q-ing-pkt-dropped> <q-ing-aggr-pkt-dropped>]

Syntax Description

show	Show running system information
queuing	Queuing related information
pfc-queue	PFC Queuing related information
snmp	Snmp information
ifIndex	Interface index
ifidx	Index
__readonly__	(Optional) Read Only
TABLE-cpfcWatchdogIfQueueInfoTable	(Optional) SNMP table
ifidx_out	(Optional) Interface index out
queueno_out	(Optional) Queue number out
q-state	(Optional) Queue state
q-shutdown	(Optional) Number of times queue is shutdown
q-restored	(Optional) Number of times queue is restored
q-pkt-dropped	(Optional) Number of packets dropped since last shutdown
q-aggr-pkt-dropped	(Optional) Number of aggregate packets dropped
q-ing-pkt-dropped	(Optional) Number of Ingress packets dropped
q-ing-aggr-pkt-dropped	(Optional) Number of aggregate Ingress packets dropped

Command Mode

- /exec

show queuing tabular

show queuing tabular [non-zero [drop-only]] [interface <if_list>] [module <module>] [__readonly__ [TABLE_queuing_interface <if_name_str> <qos_group_name_0> <qos_group_name_1> <qos_group_name_2> <qos_group_name_3> <qos_group_name_4> <qos_group_name_5> <qos_group_name_6> <qos_group_name_7> <qos_group_name_cpu> <qos_group_name_span> <tx_uc_pkt_qos_0> <tx_uc_byte_qos_0> <tx_uc_drop_pkt_qos_0> <tx_uc_drop_byte_qos_0> <tx_uc_ecn_pkt_qos_0> <tx_uc_ecn_byte_qos_0> <tx_oobfc_uc_pkt_qos_0> <tx_oobfc_uc_byte_qos_0> <tx_oobfc_uc_drop_pkt_qos_0> <tx_oobfc_uc_drop_byte_qos_0> <tx_fld_pkt_qos_0> <tx_fld_byte_qos_0> <tx_fld_drop_pkt_qos_0> <tx_fld_drop_byte_qos_0> <tx_mc_pkt_qos_0> <tx_mc_byte_qos_0> <tx_mc_drop_pkt_qos_0> <tx_mc_drop_byte_qos_0> <pfc_rx_qos_0> <pfc_tx_qos_0> <qos_grp_1> <qos_grp_2> <qos_grp_3> <qos_grp_4> <qos_grp_5> <qos_grp_6> <qos_grp_7> <qos_grp_cpu> <qos_grp_span> <ing_drop_pkt>]]

Syntax Description

show	commands to display
queuing	Queuing related information
tabular	QoS stats in tabular form
non-zero	(Optional) Interface for non-zero stats
drop-only	(Optional) Interface for non-zero drop-only stats
interface	(Optional) Interface for displaying queuing config
if_list	(Optional) List of interfaces
module	(Optional) Slot/module
module	(Optional) Slot/module number
__readonly__	(Optional)
if_name_str	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
qos_group_name_0	(Optional) QoS Group name
qos_group_name_1	(Optional) QoS Group name
qos_group_name_2	(Optional) QoS Group name
qos_group_name_3	(Optional) QoS Group name
qos_group_name_4	(Optional) QoS Group name
qos_group_name_5	(Optional) QoS Group name
qos_group_name_6	(Optional) QoS Group name

qos_group_name_7	(Optional) QoS Group name
qos_group_name_cpu	(Optional) QoS Group name
qos_group_name_span	(Optional) QoS Group name

Command Mode

- /exec

show queuing tah-pfc-queue

show queuing tah-pfc-queue [interface <if_list>] [module <module>] [detail] [__readonly__ [TABLE_queuing_interface <if_name_str> [TABLE_qosgrp_stats <eq-qosgrp> [TABLE_qosgrp_stats_entry <q-stat-type> <q-shutdown> <q-restored> <q-pkt-drained> <q-pkt-dropped> <q-total-pkt-dropped> <q-aggr-pkt-dropped> <q-ingr-pkt-dropped> <q-aggr-ingr-pkt-dropped>]] [TABLE_qosgrp_stats_summary <qosgrp-summary>]]]

Syntax Description

show	commands to display
queuing	Queuing related information
tah-pfc-queue	PFC Queuing related information
interface	(Optional) Interface for displaying queuing config
if_list	(Optional) List of interfaces
module	(Optional) Slot/module
module	(Optional) Slot/module number
detail	(Optional) Show detailed PFC Queuing WD information
__readonly__	(Optional)
if_name_str	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
eq-qosgrp	(Optional) Qos-group value
TABLE_qosgrp_stats_entry	(Optional) Qos-group egress statistics entry
q-stat-type	(Optional) Queue stat
TABLE_qosgrp_stats_summary	(Optional) Qos-group egress statistics summary
qosgrp-summary	(Optional) Qos-group summary value

Command Mode

- /exec

R Show Commands

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show radius-cfs

show radius-cfs [__readonly__ [<distr_status>] [<session_status>] [<session_db>] [<merge_status>]]

Syntax Description

show	Show running system information
radius-cfs	Show radius cfs state
__readonly__	(Optional)
distr_status	(Optional) radius distribution status
session_status	(Optional) current session status
session_db	(Optional) status of session db
merge_status	(Optional) radius merge status

Command Mode

- /exec

show radius-server

show radius-server { <host> } [__readonly__ { <host1> } [<authen_port>] [<account_port>] [<share_key>] [<timeout>] [<retries>] [<secure_radius>] [<aid>] <idle_tim> <test_user_name> <test_pwd>]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
host	DNS name or IP address
__readonly__	(Optional)
host1	(Optional) DNS name or IP address
authen_port	(Optional) RADIUS server's port for authentication
account_port	(Optional) RADIUS server's port for accounting
timeout	(Optional) radius server timeout
retries	(Optional) radius server retry count
secure_radius	(Optional) secure radius enabled or not
aid	(Optional) Authority identity
share_key	(Optional) RADIUS shared secret
test_user_name	(Optional) User name in test packets
test_pwd	(Optional) User password in test packets
idle_tim	(Optional) Time interval for monitoring the server

Command Mode

- /exec

show radius-server

show radius-server [__readonly__ [<global_secretKey>] { <global_timeout> <retransmissionCount> <global_deadtime> } [<global_source_intf>] [<global_idle_time>] { [<global_testUsername>] [<global_testPassword>] } { <server_count> } [TABLE_server <server_ip> [<auth_port>] [<acct_port>] [<secretKey>] [<timeout>] [<retries>]] [{ <host0> <auth_port> <acct_port> <shared_key> <idle_time><test_username> <test_password> } +]]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
__readonly__	(Optional)
global_secretKey	(Optional) Global shared secret
global_timeout	(Optional) Global timeout for tacacs
retransmissionCount	(Optional) Retransmittion count when there is no server response
global_deadtime	(Optional) Global deadtime
global_source_intf	(Optional) Radius global source interface
global_idle_time	(Optional) Radius global idle-time for server monitoring
global_testUsername	(Optional) Username of global test parameters
global_testPassword	(Optional) Password of global test parameters
server_count	(Optional) Total number of radius servers configured
TABLE_server	(Optional)
server_ip	(Optional) Ip address of the server
auth_port	(Optional) Authentication port used for this server
acct_port	(Optional) Accounting Port used for this server
secretKey	(Optional) Shared secret between the server and the tacacs client
timeout	(Optional) Timeout for this tacacs server
retries	(Optional) Retry count for individual servers
host0	(Optional) DNS name or IP address
auth_port	(Optional) RADIUS server's port for authentication
acct_port	(Optional) RADIUS server's port for accounting
shared_key	(Optional) RADIUS shared secret

test_password	(Optional) User password in test packets

Command Mode

- /exec

show radius-server directed-request

show radius-server directed-request [__readonly__ { <radius_directedRequest_status> }]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
directed-request	Show directed server enable configuration
__readonly__	(Optional)
radius_directedRequest_status	(Optional) status of radius-server directed request

Command Mode

- /exec

show radius-server groups

show radius-server groups [<s0>] [__readonly__ [<num_of_groups>] TABLE_group <group_name> [TABLE_server <server_ip> [<auth_port>] [<acct_port>]] [<dead_time>] [<vrf_name>] [<source_interface>]]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
groups	Show RADIUS server group configuration information
s0	(Optional) RADIUS server group name
__readonly__	(Optional)
num_of_groups	(Optional) number of groups
TABLE_group	(Optional)
group_name	(Optional) name of the group
TABLE_server	(Optional)
server_ip	(Optional) DNS name or IP address
auth_port	(Optional) radius server authentication port
acct_port	(Optional) radius server accounting port
dead_time	(Optional) Time interval for which the server is marked as dead before sendinga test command
vrf_name	(Optional) name of the vrf
source_interface	(Optional) Interface Description

Command Mode

- /exec

show radius-server sorted

show radius-server sorted [__readonly__ [<global_secretKey>] { <global_timeout> <retransmissionCount> <global_deadtime> } [<global_source_intf>] [<global_idle_time>] { [<global_testUsername>] [<global_testPassword>] } { <server_count> } [TABLE_server <server_ip> [<auth_port>] [<acct_port>] [<secretKey>] [<timeout>] [<retries>]]]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
sorted	Show RADIUS servers sorted by name
__readonly__	(Optional)
global_secretKey	(Optional) Global shared secret
global_timeout	(Optional) Global timeout for tacacs
retransmissionCount	(Optional) Retransmittion count when there is no server response
global_deadtime	(Optional) Global deadtime
global_source_intf	(Optional) Radius global source interface
global_idle_time	(Optional) Radius global idle-time for server monitoring
global_testUsername	(Optional) Username of global test parameters
global_testPassword	(Optional) Password of global test parameters
server_count	(Optional) Total number of radius servers configured
TABLE_server	(Optional)
server_ip	(Optional) Ip address of the server
auth_port	(Optional) Authentication port used for this server
acct_port	(Optional) Accounting Port used for this server
secretKey	(Optional) Shared secret between the server and the tacacs client
timeout	(Optional) Timeout for this tacacs server
retries	(Optional) Retry count for individual servers

Command Mode

- /exec

show radius-server statistics

show radius-server statistics <host0> [__readonly__ { <server_state> [<clock_time> { monitoring_statistics <time_in_pstate> <ndead> <tt_in_dstate> }] } { { auth_statistics <auth_failed_transactions> <auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match> <auth_resp_not_processed> <auth_resp_error> } { acct_statistics <acct_failed_transactions> <acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match> <acct_resp_not_processed> <acct_resp_error> } }]

Syntax Description

show	Show running system information
radius-server	Show RADIUS configuration information
statistics	Show RADIUS statistics
host0	DNS name or IP address
__readonly__	(Optional)
server_state	(Optional) Show state of server
clock_time	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
time_in_pstate	(Optional) Time in previous state
ndead	(Optional) Number of times dead
tt_in_dstate	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
acct_statistics	(Optional) Accounting Statistics
auth_failed_transactions	(Optional) Authentication: Failed transactions
auth_succ_transactions	(Optional) Authentication: Successful transactions
auth_req_sent	(Optional) Authentication: Requests sent
auth_req_timedout	(Optional) Authentication: Requests timedout
auth_resp_no_match	(Optional) Authentication: Responses with no matching requests
auth_resp_not_processed	(Optional) Authentication: Responses not processed
auth_resp_error	(Optional) Authentication: Responses containing errors
acct_failed_transactions	(Optional) Accounting: Failed transactions
acct_succ_transactions	(Optional) Accounting: Successful transactions

acct_req_sent	(Optional) Accounting: Requests sent
acct_req_timedout	(Optional) Accounting: Requests timedout
acct_resp_no_match	(Optional) Accounting: Responses with no matching requests
acct_resp_not_processed	(Optional) Accounting: Responses not processed
acct_resp_error	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

show radius status

show radius status [__readonly__ [<distr_status>] [<session_status>] [<session_owner>] [<session_db>] [<last_operation>] [<last_operation_status>] [<fail_code>]]

Syntax Description

show	Show running system information
radius	Show RADIUS Information
status	Show RADIUS cfs distribution status
__readonly__	(Optional)
distr_status	(Optional) radius distribution status
session_status	(Optional) current session status
session_owner	(Optional) owner of the current distribution session
session_db	(Optional) status of session db
last_operation	(Optional) last_operation
last_operation_status	(Optional) status of the last operation
fail_code	(Optional) reason for the failure of last operation

Command Mode

- /exec

show redundancy status

show redundancy status [__readonly__ <rmode_admin> <rmode_opr> <this_sup> <this_sup_rd_st> <this_sup_sup_st> <this_sup_int_st> <oth_sup> <oth_sup_rd_st> <oth_sup_sup_st> <oth_sup_int_st> <sys_strt_time> <sys_uptm_days> <sys_uptm_hrs> <sys_uptm_mins> <sys_uptm_secs> <kern_uptm_days> <kern_uptm_hrs> <kern_uptm_mins> <kern_uptm_secs> <asup_uptm_days> <asup_uptm_hrs> <asup_uptm_mins> <asup_uptm_secs>]

Syntax Description

show	
redundancy	Show system redundancy status
status	Current redundancy status
__readonly__	(Optional)
rmode_admin	(Optional)
rmode_opr	(Optional)
this_sup	(Optional)
this_sup_rd_st	(Optional)
this_sup_sup_st	(Optional)
this_sup_int_st	(Optional)
oth_sup	(Optional)
oth_sup_rd_st	(Optional)
oth_sup_sup_st	(Optional)
oth_sup_int_st	(Optional)
sys_strt_time	(Optional)
sys_uptm_days	(Optional)
sys_uptm_hrs	(Optional)
sys_uptm_mins	(Optional)
sys_uptm_secs	(Optional)
kern_uptm_days	(Optional)
kern_uptm_hrs	(Optional)
kern_uptm_mins	(Optional)
kern_uptm_secs	(Optional)

asup_uptm_days	(Optional)
asup_uptm_hrs	(Optional)
asup_uptm_mins	(Optional)
asup_uptm_secs	(Optional)

Command Mode

- /exec

show regexp

show { ip mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | ip bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] all | ip bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [ipv4 { unicast | multicast }] } regexp <regexp-str> [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families
regexp	Display routes matching the AS path regular expression
regexp-str	Regular expression to match the AS paths

Command Mode

- /exec

show reload

show reload [__readonly__ <reload-schedule>]

Syntax Description

show	Show running system information
reload	Display information about scheduled reload
__readonly__	(Optional)
reload-schedule	(Optional) Reload scheduling info

Command Mode

- /exec

show resource

show resource [<res-mgr-res-known-name>] [hidden-too | with-flags] [__readonly__ { TABLE_vdc_resource_local <res_name> <min> <max> <used> <unused> <free> }]

Syntax Description

show	Show running system information
resource	Show resource configuration for VDC
res-mgr-res-known-name	(Optional) Resource name
hidden-too	(Optional) Also show hidden resources
with-flags	(Optional) Also show resource flags
__readonly__	(Optional) Read Only
TABLE_vdc_resource_local	(Optional)
res_name	(Optional) Resource Name
min	(Optional) Resource min configuration
max	(Optional) Resource max configuration
used	(Optional) Resource current usage for this VDC
unused	(Optional) Resource reserved for this VDC but currently not used
free	(Optional) Resource current free for this VDC

Command Mode

- /exec

show rmon

show rmon { alarms | events | hcalarms | info | logs } [__readonly__ [TABLE_rmon_alarm { <alaram-str> <ascii-buf-str> <samp-type-str> <ris-trshod-str> <fall-trshod-str> <start-enable-str> }] [TABLE_rmon_event { <ev-alaram-str> <ev-desc-str> <ev-fir-cause> <last-fired> }] [TABLE_rmon_hcala { <hc-alaram-str> <hc-ascii-buf-str> <hc-sam-ty-str> <hc-ris-thresh-str> <hc-fal-thresh-str> <start-alrm-str> <fail-attem-str> }] [TABLE_rmon_info { <max-32-64-ala-str> <max-conf-32-ala-str> <max-conf-64-ala-str> }] [TABLE_rmon_log { <event-id-str> <rmon-pch> [<log-buff-str>] <log-oid> }]]

Syntax Description

show	Show running system information
rmon	Display RMON statistics
alarms	Display the RMON alarm table
events	Display the RMON event table
hcalarms	Display the RMON HC(High Capacity) Alarm table
info	Display the RMON info
logs	Display the RMON event log table
__readonly__	(Optional)
TABLE_rmon_alarm	(Optional)
alaram-str	(Optional)
ascii-buf-str	(Optional)
samp-type-str	(Optional)
ris-trshod-str	(Optional)
fall-trshod-str	(Optional)
start-enable-str	(Optional)
TABLE_rmon_event	(Optional)
ev-alaram-str	(Optional)
ev-desc-str	(Optional)
ev-fir-cause	(Optional)
last-fired	(Optional)
TABLE_rmon_hcala	(Optional)
hc-alaram-str	(Optional)

hc-ascii-buf-str	(Optional)
hc-sam-ty-str	(Optional)
hc-ris-thresh-str	(Optional)
hc-fal-thresh-str	(Optional)
start-alrm-str	(Optional)
fail-attem-str	(Optional)
TABLE_rmon_info	(Optional)
max-32-64-ala-str	(Optional)
max-conf-32-ala-str	(Optional)
max-conf-64-ala-str	(Optional)
TABLE_rmon_log	(Optional)
event-id-str	(Optional)
rmon-pch	(Optional)
log-buff-str	(Optional)
log-oid	(Optional)

Command Mode

- /exec

show role

show role [name <arg3>] [__readonly__ { TABLE_role <role_name> <role_description> [<attribute_scope>] [<permit_vsan>] [<permit_vlan>] [<permit_vlan_id>] [<permit_interface>] [<permit_interface_slot>] [<permit_vrf>] [TABLE_vrf<permit_vrf_name>] [{ TABLE_rule <rule_num> <rule_action> { <rule_permission> | <rule_permission_mds> } [<rule_featuretype>] [<rule_entity>] }] }]

Syntax Description

show	Show running system information
role	Show role configuration
name	(Optional) Enter the role name
arg3	(Optional) Enter the role name
__readonly__	(Optional)
TABLE_role	(Optional)
role_name	(Optional)
role_description	(Optional)
attribute_scope	(Optional)
permit_vsan	(Optional)
permit_vlan	(Optional)
permit_vlan_id	(Optional)
permit_interface	(Optional)
permit_interface_slot	(Optional)
permit_vrf	(Optional)
TABLE_rule	(Optional)
rule_num	(Optional)
rule_action	(Optional)
rule_permission	(Optional)
rule_permission_mds	(Optional)
rule_featuretype	(Optional)
rule_entity	(Optional)

Command Mode

- /exec

show role feature-group

show role feature-group [name <arg4>] [detail] [__readonly__ TABLE_role_feature_group <feature_group_name> TABLE_role_feature <feature_name> [TABLE_role_feature_rule <feature_rule>]]

Syntax Description

show	Show running system information
role	Show role configuration
feature-group	Role feature group
name	(Optional) Enter the feature-group name
arg4	(Optional) Feature-group name
detail	(Optional) Detailed information including feature rules
__readonly__	(Optional)
TABLE_role_feature_group	(Optional)
feature_group_name	(Optional)
TABLE_role_feature	(Optional)
feature_name	(Optional)
TABLE_role_feature_rule	(Optional)
feature_rule	(Optional)

Command Mode

- /exec

show role feature

show role feature [name <arg5> | detail] [__readonly__ TABLE_role_feature <feature_name> [TABLE_role_feature_rule <feature_rule>]]

Syntax Description

show	Show running system information
role	Show role configuration
feature	Role feature
name	(Optional) Enter the feature name
arg5	(Optional) Feature name
detail	(Optional) Detailed information including feature rules
__readonly__	(Optional)
TABLE_role_feature	(Optional)
feature_name	(Optional)
TABLE_role_feature_rule	(Optional)
feature_rule	(Optional)

Command Mode

- /exec

show rollback log exec

show rollback log { exec | verify } [__readonly__ [<log_entry> +]]

Syntax Description

show	Show running system information
rollback	Show rollback
log	show rollback log
exec	show rollback execution log
verify	show rollback verify log
__readonly__	(Optional) Read only
log_entry	(Optional) log entry from rollback log

Command Mode

- /exec

show rollback status

show rollback status [__readonly__ <last_operation> [<rollback_type>] [<name>] [<start_time>] [<end_time>] [<operation_status>]]

Syntax Description

show	Show running system information
rollback	show rollback
status	show status of last rollback operation
__readonly__	(Optional) Read only
last_operation	(Optional) last operation
rollback_type	(Optional) rollback type
name	(Optional) name
start_time	(Optional) start time
end_time	(Optional) end time
operation_status	(Optional) operation status

Command Mode

- /exec

show route-map

show route-map [<route-map-name> | <route-map-cfg-name>] [__readonly__ TABLE_rmap <name> <action> <seq> [<descript>] [<continue>] [{ TABLE_rmap_match <match_type> <match_stmt> }] [{ TABLE_rmap_set <set_type> <set_stmt> }]]

Syntax Description

show	Show running system information
route-map	Route-map information
route-map-name	(Optional) Route-map name
route-map-cfg-name	(Optional) Known route-map name
__readonly__	(Optional)
TABLE_rmap	(Optional)
TABLE_rmap_match	(Optional)
TABLE_rmap_set	(Optional)
name	(Optional)
action	(Optional)
seq	(Optional)
descript	(Optional)
continue	(Optional)
match_type	(Optional)
match_stmt	(Optional)
set_type	(Optional)
set_stmt	(Optional)

Command Mode

- /exec

show route-map pbr-statistics

show route-map { <pbr_rmap_name> | <pbr_rmap_cfg_name> } pbr-statistics [__readonly__ <tag> <action> <seq> <pbr_pkt_count> <dflt_rtg_pkt_count>]

Syntax Description

show	Show running system information
route-map	Route-map information
pbr_rmap_name	Route-map name
pbr_rmap_cfg_name	Known route-map name
pbr-statistics	PBR statistics
__readonly__	(Optional)
tag	(Optional)
action	(Optional)
seq	(Optional)
pbr_pkt_count	(Optional)
dflt_rtg_pkt_count	(Optional)

Command Mode

- /exec

show router-guard

show router-guard [vlan <vlan_id>] [__readonly__ [TABLE_vlanid { <vlanid> <globally-enabled-switch-port> } [TABLE_if [<disabled-if>]]]]

Syntax Description

show	Show running system information
router-guard	Shows router guard config details for all interfaces
vlan	(Optional) Only for the specified VLAN
vlan_id	(Optional) VLAN ID
__readonly__	(Optional)
TABLE_vlanid	(Optional)
vlanid	(Optional)
globally-enabled-switch-port	(Optional)
TABLE_if	(Optional)
disabled-if	(Optional)

Command Mode

- /exec

show routing-context

show routing-context [__readonly__ <routing-con>]

Syntax Description

show	Show running system information
routing-context	Display the current routing context
__readonly__	(Optional)
routing-con	(Optional)

Command Mode

- /exec

show routing-privilege

show routing-privilege

Syntax Description

show	Show running system information
routing-privilege	Display the current privilege level

Command Mode

- /exec

show routing

show routing [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | detail] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [<ipnexthop>] [<ifname>] [<bindlbl>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>] [<ubest>] [<mbest>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
ip-addr	(Optional) Display single route longest match lookup
ip-prefix	(Optional) Display single exact match route
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
protocol	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
bind-label	(Optional) Display routes with this bind-label only

bind-lbl	(Optional) Binding label
next-hop	(Optional) Display routes with this next-hop only
next-hop	(Optional) Next hop address
next-hop-v6	(Optional) Display routes with this V6 next-hop only
interface	(Optional) Display routes with this output interface only
interface	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time
since	(Optional) Display those routes updated since this time
stime	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
utime	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
detail	(Optional) Display routes in full detail
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_addrf	(Optional)
addrf	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
ucast-nhops	(Optional)
mcast-nhops	(Optional)
attached	(Optional)
TABLE_path	(Optional)
ipnexthop	(Optional)
ifname	(Optional)
bindlbl	(Optional)
uptime	(Optional)
pref	(Optional)

metric	(Optional)
clientname	(Optional)
type	(Optional)
tag	(Optional)
stale	(Optional)
unres	(Optional)
hidden	(Optional)
stale-label	(Optional)
ubest	(Optional)
mbest	(Optional)
TABLE_summary	(Optional)
routes	(Optional)
paths	(Optional)
multicast_paths	(Optional)
TABLE_unicast	(Optional)
clientnameuni	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_multicast	(Optional)
clientnamemulti	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_route_count	(Optional)
mask_len	(Optional)
count	(Optional)

Command Mode

- /exec

show routing clients

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] clients [<client> | <protocol>] [__readonly__ { TABLE_client <client_name> <pib_index> <epid> [<mts_sap>] [<mts_sap_str>] <mru_cache_hits> <mru_cache_misses> <pib_stale_time> <pss_created> [<bad_l3vm_table_refcount>] [<pib_stale_timer>] [{ TABLE_nib_node <uribtibtype_contextname> [<all_igp>] [<self>] [<all>] [<unib_notify_mask>] <routes> <rnhs> <labels> [<convg_req_mask>] [<convg_send_mask>] [<utib_state>] [<pending_timer>] [<urib_state_invalid>] }] [{ TABLE_msgs_rcvd <urib_mtype_str> <upib_rcvd> }] [{ TABLE_msgs_sent <urib_mtype_str> <upib_sent> }] }]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
clients	Display urib client information
client	(Optional) Display single urib client information
protocol	(Optional) Display single urib client information
__readonly__	(Optional)
TABLE_client	(Optional)
client_name	(Optional)
pib_index	(Optional)
epid	(Optional)
mts_sap	(Optional)
mts_sap_str	(Optional)

mru_cache_hits	(Optional)
mru_cache_misses	(Optional)
pib_stale_time	(Optional)
pss_created	(Optional)
bad_l3vm_table_refcount	(Optional)
pib_stale_timer	(Optional)
TABLE_nib_node	(Optional)
uribtibtype_contextname	(Optional)
all_igp	(Optional)
self	(Optional)
all	(Optional)
unib_notify_mask	(Optional)
routes	(Optional)
rnhs	(Optional)
labels	(Optional)
convg_req_mask	(Optional)
convg_send_mask	(Optional)
utib_state	(Optional)
pending_timer	(Optional)
urib_state_invalid	(Optional)
TABLE_msgs_rcvd	(Optional)
urib_mtype_str	(Optional)
upib_rcvd	(Optional)
TABLE_msgs_sent	(Optional)
urib_mtype_str	(Optional)
upib_sent	(Optional)

Command Mode

- /exec

show routing event-history

show routing [ip | ipv4] [unicast] [internal] event-history { statistics | msgs | { { add-route | cli | delete-route | detail | dme | errors | general | ha | loop-detection | modify-route | notifications | recursive-next-hop | summary | ufdm | ufdm-detail | ufdm-summary } [filter [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [client { <client> | <protocol> }] [prefix-list <pfxlist-name>]] } }

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
internal	(Optional) Commands for internal use
event-history	Show routing event log
statistics	Show routing event log Statistics
msgs	Show routing message event log
add-route	Add route
cli	CLI
delete-route	Delete route
detail	Detail
dme	DME
errors	Errors
general	General
ha	HA
loop-detection	Loop detection
modify-route	Modify route
notifications	Notification
recursive-next-hop	Recursive next hop
summary	Summary
ufdm	UFDM

ufdm-detail	UFDM Detail
ufdm-summary	UFDM Summary
filter	(Optional) Filter event log
vrf	(Optional) Filter VRF
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Filter for all VRFs
client	(Optional) Filter by client
client	(Optional) Filter by single urib client
protocol	(Optional) Filter by single urib client
prefix-list	(Optional) Filter by IPv4 prefix-list
pfxlist-name	(Optional) IPv4 prefix list name

Command Mode

- /exec

show routing hash

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] hash <source> <dest> [ip-proto <ip-proto>] [<src-port> <dest-port>] [in-interface <in-interface>] [module <module-id>] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> TABLE_hashpath <mcast> <hashpath> <hash-val> TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path <ubest> <mbest> <ipnexthop> <ifname> <pref> <metric> <uptime> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>]]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
hash	Display load-balancing hash information
source	Source IPv4 address of unicast flow or group address for multicast flow
dest	Destination IPv4 address of unicast flow or source address for multicast flow
src-port	(Optional) Source-port
dest-port	(Optional) Destination-port
in-interface	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only
in-interface	(Optional) Interface Name
ip-proto	(Optional) IP Protocol information for the packet
ip-proto	(Optional) IP Protocol information for the packet
module	(Optional) Module

module-id	(Optional) Module
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_addrf	(Optional)
addrf	(Optional)
TABLE_hashpath	(Optional)
mcast	(Optional)
hashpath	(Optional)
hash-val	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
ucast-nhops	(Optional)
mcast-nhops	(Optional)
attached	(Optional)
TABLE_path	(Optional)
ubest	(Optional)
mbest	(Optional)
ipnexthop	(Optional)
ifname	(Optional)
pref	(Optional)
metric	(Optional)
uptime	(Optional)
clientname	(Optional)
type	(Optional)
tag	(Optional)
stale	(Optional)
unres	(Optional)
hidden	(Optional)

stale-label	(Optional)

Command Mode

- /exec

show routing hidden-nh

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] hidden-nh [__readonly__ <uribtibtype_contextname> [<utibtibtype_topologyname>] { TABLE_hidden_nh <hidden_nh_uhn_prefix> <hidden_nh_uhn_mask_len> <pib> <rnh> <rnh_mask_len> }]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
hidden-nh	Display hidden next-hop information
__readonly__	(Optional)
uribtibtype_contextname	(Optional)
utibtibtype_topologyname	(Optional)
TABLE_hidden_nh	(Optional)
hidden_nh_uhn_prefix	(Optional)
hidden_nh_uhn_mask_len	(Optional)
pib	(Optional)
rnh	(Optional)
rnh_mask_len	(Optional)

Command Mode

- /exec

show routing ipv6

show routing ipv6 [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ipv6-addr> | { <ipv6-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <ipv6-protocol> [all] } | { next-hop <next-hop> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | { [detail] [deleted] }] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> [<attached>] TABLE_path [<ubest>] [<mbest>] [<ipnexthop>] [<ifname>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<stalelbl>] [<hidden>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
l3vm-info	(Optional) Display corresponding L3VM information
rpf	(Optional) Display RPF information for multicast source
longer-prefixes	(Optional) Display matching routes with mask-lengths >= prefix
shorter-prefixes	(Optional) Display matching routes with mask-lengths <= prefix
ipv6-protocol	(Optional) Display routes for protocol (or route type)
all	(Optional) Display routes for protocol for backup next-hops too
next-hop	(Optional) Display routes with this next-hop only
interface	(Optional) Display routes with this output interface only
interface	(Optional) Interface Name
updated	(Optional) Display routes filtered by last updated time

since	(Optional) Display those routes updated since this time
stime	(Optional) Since this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
until	(Optional) Display those routes updated until this time
utime	(Optional) Until this date/time [[CC]YY-][MM-DD-]HH:MM[:SS]
summary	(Optional) Display route counts
deleted	(Optional) Display delete-pending routes also
detail	(Optional) Display routes in full detail
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_addrf	(Optional)
addrf	(Optional)
TABLE_prefix	(Optional)
ucast-nhops	(Optional)
mcast-nhops	(Optional)
attached	(Optional)
TABLE_path	(Optional)
ubest	(Optional)
mbest	(Optional)
ifname	(Optional)
pref	(Optional)
tag	(Optional)
metric	(Optional)
uptime	(Optional)
clientname	(Optional)
type	(Optional)
stale	(Optional)
stalelbl	(Optional)
hidden	(Optional)

TABLE_summary	(Optional)
routes	(Optional)
paths	(Optional)
multicast_paths	(Optional)
TABLE_unicast	(Optional)
clientnameuni	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_multicast	(Optional)
clientnamemulti	(Optional)
best-paths	(Optional)
backup-paths	(Optional)
TABLE_route_count	(Optional)
mask_len	(Optional)
count	(Optional)

Command Mode

- /exec

show routing ipv6 clients

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 [unicast] [topology <topology-name>] clients [<client> | <ipv6-protocol>] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ { TABLE_client <client_name> <pib_index> <pib_state> <pib_id> <multicast_or_unicast_pib> <mru_cache_hits> <mru_cache_misses> [<mts_sap>] [<mts_sap_str>] [<bad_l3vm_table_refcount>] <pib_stale_time> [{ TABLE_nib_node <u6ribtibtype_contextname> <routes> <rnhs> [{ TABLE_notifeee_mask [<u6pib_name>] [<index>] }] [<u6tib_state>] [<pending_timer>] [<u6rib_state_invalid>] [<u6nib_notifier_all>] [{ TABLE_notify_rcd <notify_rcd_name> <notify_rcd_handle> [<notifier_pib_u6pib_index>] }] [{ TABLE_notifiee_nib <notifiee_pib_u6pib_name> <u6nib_notify_handle> }] }] [{ TABLE_ready_client_event_queue <queue_name><queue_count> [{ TABLE_client_event <event> <use_buf> <sched> <resend> <buf> [<state>] }] }] [{ TABLE_buffer_rqst_client_event_queue <queue_name><queue_count> [{ TABLE_client_event <event> <use_buf> <sched> <resend> <buf> [<state>] }] }] <update_ack_queue_count> [{ TABLE_update_ack <update_ack> <update_ack_data> <update_ack_type> <update_ack_xid> }] [{ TABLE_route_buffer_used_queue <queue_name> <queue_count> [{ TABLE_clt_buf <clt_buf><clt_buf_count><clt_buf_xid> }] }] [{ TABLE_rnh_buffer_used_queue <queue_name> <queue_count> [{ TABLE_clt_buf <clt_buf><clt_buf_count><clt_buf_xid> }] }] [{ TABLE_msgs_rcvd <u6rib_mtype_str><u6pib_rcvd> }] [{ TABLE_msgs_sent <u6rib_mtype_str><u6pib_sent> }] }]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
clients	Display u6rib client information
client	(Optional) Display single u6rib client information
ipv6-protocol	(Optional) Display single u6rib client information
__readonly__	(Optional)
TABLE_client	(Optional)
client_name	(Optional)

pib_index	(Optional)
pib_state	(Optional)
pib_id	(Optional)
multicast_or_unicast_pib	(Optional)
mru_cache_hits	(Optional)
mru_cache_misses	(Optional)
mts_sap	(Optional)
mts_sap_str	(Optional)
bad_l3vm_table_refcount	(Optional)
pib_stale_time	(Optional)
TABLE_nib_node	(Optional)
u6ribtibtype_contextname	(Optional)
routes	(Optional)
rnhs	(Optional)
TABLE_notifeee_mask	(Optional)
u6pib_name	(Optional)
index	(Optional)
u6tib_state	(Optional)
pending_timer	(Optional)
u6rib_state_invalid	(Optional)
u6nib_notifier_all	(Optional)
TABLE_notify_rcd	(Optional)
notify_rcd_name	(Optional)
notify_rcd_handle	(Optional)
notifier_pib_u6pib_index	(Optional)
TABLE_notifiee_nib	(Optional)
notifiee_pib_u6pib_name	(Optional)
u6nib_notify_handle	(Optional)
TABLE_ready_client_event_queue	(Optional)

queue_name	(Optional)
queue_count	(Optional)
TABLE_client_event	(Optional)
event	(Optional)
use_buf	(Optional)
sched	(Optional)
resend	(Optional)
buf	(Optional)
state	(Optional)
TABLE_buffer_rqst_client_event_queue	(Optional)
queue_name	(Optional)
queue_count	(Optional)
TABLE_client_event	(Optional)
event	(Optional)
use_buf	(Optional)
sched	(Optional)
resend	(Optional)
buf	(Optional)
state	(Optional)
update_ack_queue_count	(Optional)
TABLE_update_ack	(Optional)
update_ack	(Optional)
update_ack_data	(Optional)
update_ack_type	(Optional)
update_ack_xid	(Optional)
TABLE_route_buffer_used_queue	(Optional)
TABLE_clt_buf	(Optional)
TABLE_rnh_buffer_used_queue	(Optional)
TABLE_clt_buf	(Optional)

TABLE_msgs_rcvd	(Optional)
TABLE_msgs_sent	(Optional)

Command Mode

- /exec

show routing ipv6 event-history

show routing ipv6 [unicast] [internal] event-history { statistics | msgs | am | cli | detail | errors | general | ha | lfe | recursive-next-hop | summary | ufdm | ufdm-detail | ufdm-summary }

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
internal	(Optional) Commands for internal use
event-history	Show routing event log
statistics	Show routing event log Statistics
msgs	Show routing message event log
am	AM
cli	CLI
detail	Detail
errors	Errors
general	General
ha	HA
lfe	LFE
recursive-next-hop	Recursive next hop
summary	Summary
ufdm	UFDM
ufdm-detail	UFDM Detail
ufdm-summary	UFDM Summary

Command Mode

- /exec

show routing ipv6 hash

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 [unicast] [topology <topology-name>] hash [mpls <ipv6-prefix> [eos]] <source> <dest> [ip-proto <ip-proto>] [<src-port> <dest-port>] [in-interface <in-interface>] [module <module-id>] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> [<hash-type>] [<mcast>] [<hashpath>] TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [<ubest>] [<mbest>] [<ipnexthop>] [<ifname>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<hidden>]]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
hash	Display load-balancing hash information
mpls	(Optional) MPLS path load-balancing hash information
eos	(Optional) Set End-of-Stack to 1
ip-proto	(Optional) IP Protocol information for the packet
ip-proto	(Optional) IP Protocol information for the packet
src-port	(Optional) Source-port
dest-port	(Optional) Destination-port
in-interface	(Optional) Incoming Interface for Packet.Option valid on Tomahawk platform only.
in-interface	(Optional) Interface Name
module	(Optional) Module
module-id	(Optional) Module
__readonly__	(Optional)

TABLE_vrf	(Optional)
vrf-name-out	(Optional)
hash-type	(Optional)
mcast	(Optional)
hashpath	(Optional)
TABLE_prefix	(Optional)
ipprefix	(Optional)
ucast-nhops	(Optional)
mcast-nhops	(Optional)
attached	(Optional)
TABLE_path	(Optional)
ubest	(Optional)
mbest	(Optional)
ifname	(Optional)
pref	(Optional)
tag	(Optional)
metric	(Optional)
uptime	(Optional)
clientname	(Optional)
type	(Optional)
stale	(Optional)
hidden	(Optional)

Command Mode

- /exec

show routing ipv6 hidden-nh

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 [unicast] [topology <topology-name>] hidden-nh [__readonly__ <uribtibtype_contextname> { TABLE_hidden_nh <nh> <nh-iod> <hidden_nh_uhn_prefix> <hidden_nh_uhn_mask_len> <pib> <rnh> <rnh_mask_len> }]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
hidden-nh	Display hidden next-hop information
__readonly__	(Optional)
uribtibtype_contextname	(Optional)
TABLE_hidden_nh	(Optional)
nh	(Optional)
nh-iod	(Optional)
hidden_nh_uhn_prefix	(Optional)
hidden_nh_uhn_mask_len	(Optional)
pib	(Optional)
rnh	(Optional)
rnh_mask_len	(Optional)

Command Mode

- /exec

show routing ipv6 memory estimate

show routing ipv6 [unicast] memory estimate [routes <route-count> next-hops <nh-count>] [labels] [__readonly__ <curr-max-MB> <curr-max-routes> <curr-max-nh> <inuse-MB> <inuse-routes> <inuse-nh> <conf-max-MB> <conf-max-routes> <conf-max-nh> [<est-MB> <est-routes> <est-nh>]]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
memory	Display u6rib memory information
estimate	Display u6rib memory estimate
routes	(Optional) Display u6rib memory estimate for # routes
route-count	(Optional) Number of routes
next-hops	(Optional) Display u6rib memory estimate for # next-hops per route
nh-count	(Optional) Number of next-hops per route
labels	(Optional) When the routes are associated with next hop labels
__readonly__	(Optional)
curr-max-MB	(Optional)
curr-max-routes	(Optional)
curr-max-nh	(Optional)
inuse-MB	(Optional)
inuse-routes	(Optional)
inuse-nh	(Optional)
conf-max-MB	(Optional)
conf-max-routes	(Optional)
conf-max-nh	(Optional)
est-MB	(Optional)
est-routes	(Optional)
est-nh	(Optional)

Command Mode

- /exec

show routing ipv6 memory statistics

show routing ipv6 [unicast] memory statistics [__readonly__ { TABLE_shrd_mem <rbuf-alloc> <rbuf-high-water> <rbuf-max> <rbuf-numalloc> <slbs-alloc> <slbs-high-water> <slbs-max> <slbs-numalloc> } { TABLE_u6rib_slabs <slab-name> <alloc-count> <max-allocs> <slab-size> } { TABLE_u6rib_blks <slab-blk-name> <block-count> <max-blocks> <slab-count> } { TABLE_u6rib_routes_rnhs <ctx-name> <user-nodes> <total-nodes> <elem-size> }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
memory	Display u6rib memory information
statistics	Display u6rib memory statistics
__readonly__	(Optional)
TABLE_shrd_mem	(Optional)
TABLE_u6rib_slabs	(Optional)
TABLE_u6rib_blks	(Optional)
TABLE_u6rib_routes_rnhs	(Optional)
ctx-name	(Optional)
slab-name	(Optional)
slab-blk-name	(Optional)
rbuf-alloc	(Optional)
rbuf-high-water	(Optional)
rbuf-max	(Optional)
rbuf-numalloc	(Optional)
slbs-alloc	(Optional)
slbs-high-water	(Optional)
slbs-max	(Optional)
slbs-numalloc	(Optional)
user-nodes	(Optional)

total-nodes	(Optional)
elem-size	(Optional)
alloc-count	(Optional)
max-allocs	(Optional)
slab-size	(Optional)
block-count	(Optional)
max-blocks	(Optional)
slab-count	(Optional)

Command Mode

- /exec

show routing ipv6 multicast

show routing ipv6 multicast [vrf { <vrf-name> | <vrf-known-name> | all }] [topology <topology-name>] [[bitfield] | rp | { [<group>] summary [software-forwarded] } | { summary [count | software-forwarded] } | { { <source> <group> } | { <group> [<source>] } } [summary [software-forwarded] | bitfield]] [__readonly__ { TABLE_vrf <vrf-name> [TABLE_addr <mcast-addrs> <pending> <bidir> <uptime> [TABLE_mpib <mpib-name> <stale-route>] <if-name><rpf-nbr> <internal> <oif-count><fabric-oif><fabric-loser> [TABLE_oif <oif-name> <oif-uptime> [TABLE_oif_mpib <oif-mpib-name> <stale-oif>] <rpf>] [<oif-list-bitfield>]] [<total-route-count> <star-g-count> <source-count> <star-g-prefix-count> <group-count> <avg-sources-per-group><rem> [<reason-for-route-stats-pending>]] [TABLE_group <group-addr> <group-mask-len> <source-count-per-grp> [TABLE_source <route-or-source> [<name>] <packets> <bytes> <aps> <pps> <bit-rate-in-bps> <oifs> [<software-pkts>]]] }]

Syntax Description

show	Show running system information
ipv6	Display IPv6 information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
routing	Display routing information
multicast	Display multicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
summary	(Optional) Display route counts
software-forwarded	(Optional) Display software switched route counts only
rp	(Optional) Display RP routes (RP, 0::/128)
count	(Optional) Display route counts only
bitfield	(Optional) Display bitfield details
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_addr	(Optional)

mcast-addrs	(Optional)
bidir	(Optional)
pending	(Optional)
uptime	(Optional)
internal	(Optional)
TABLE_mpib	(Optional)
mpib-name	(Optional)
stale-route	(Optional)
TABLE_oif	(Optional)
oif-name	(Optional)
oif-uptime	(Optional)
rpf	(Optional)
oif-list-bitfield	(Optional)
TABLE_oif_mpib	(Optional)
oif-mpib-name	(Optional)
stale-oif	(Optional)
total-route-count	(Optional)
star-g-count	(Optional)
source-count	(Optional)
star-g-prefix-count	(Optional)
group-count	(Optional)
reason-for-route-stats-pending	(Optional)
TABLE_group	(Optional)
group-addr	(Optional)
group-mask-len	(Optional)
source-count-per-grp	(Optional)
TABLE_source	(Optional)
route-or-source	(Optional)
name	(Optional)

packets	(Optional)
bytes	(Optional)
aps	(Optional)
pps	(Optional)
bit-rate-in-bps	(Optional)
oifs	(Optional)
software-pkts	(Optional)

Command Mode

- /exec

show routing ipv6 multicast clients

show routing ipv6 multicast clients [<client-name>] [__readonly__ { TABLE_client <client-name> <cid> <pid> <mts-sap> <shared-mem> <is-stale-timer-running> <wants-notification> [TABLE_protocol <SSM-owner> <Bidir-owner> <static-owner> <shared-only-owner> <locally-joined-owner> <external-owner> <Fabric-owner>] { TABLE_join_notifications <sent> <fail> <ack-rcvd> } { TABLE_prune_notifications <sent> <fail> <ack-rcvd> } { TABLE_rpf_notifications <sent> <fail> <ack-rcvd> } { TABLE_delete_notifications <sent> <fail> <ack-rcvd> } { TABLE_clear_mroute_notifications <sent> <fail> } { TABLE_add_route_req <rcvd> <ack-sent> <ack-fail> } { TABLE_del_route_req <rcvd> <ack-sent> <ack-fail> } { TABLE_upd_route_req <rcvd> <ack-sent> <ack-fail> } { TABLE_mts_route_req <rcvd> <ack-sent> <ack-fail> } }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
clients	Display multicast routing client information
client-name	(Optional) Multicast routing client name
__readonly__	(Optional)
TABLE_client	(Optional)
client-name	(Optional)
cid	(Optional)
pid	(Optional)
mts-sap	(Optional)
shared-mem	(Optional)
is-stale-timer-running	(Optional)
wants-notification	(Optional)
TABLE_protocol	(Optional)
SSM-owner	(Optional)
Bidir-owner	(Optional)
static-owner	(Optional)
shared-only-owner	(Optional)
locally-joined-owner	(Optional)

external-owner	(Optional)
Fabric-owner	(Optional)
TABLE_join_notifications	(Optional)
sent	(Optional)
fail	(Optional)
ack-rcvd	(Optional)
TABLE_prune_notifications	(Optional)
sent	(Optional)
fail	(Optional)
ack-rcvd	(Optional)
TABLE_rpf_notifications	(Optional)
sent	(Optional)
fail	(Optional)
ack-rcvd	(Optional)
TABLE_delete_notifications	(Optional)
sent	(Optional)
fail	(Optional)
ack-rcvd	(Optional)
TABLE_clear_mroute_notifications	(Optional)
sent	(Optional)
fail	(Optional)
TABLE_add_route_req	(Optional)
rcvd	(Optional)
ack-sent	(Optional)
ack-fail	(Optional)
TABLE_del_route_req	(Optional)
rcvd	(Optional)
ack-sent	(Optional)
ack-fail	(Optional)

TABLE_upd_route_req	(Optional)
rcvd	(Optional)
ack-sent	(Optional)
ack-fail	(Optional)
TABLE_mts_route_req	(Optional)
rcvd	(Optional)
ack-sent	(Optional)
ack-fail	(Optional)

Command Mode

- /exec

show routing ipv6 multicast event-history

show routing ipv6 multicast [internal] event-history { errors | msgs | <m6rib-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
internal	(Optional) Commands for internal use
event-history	Show various event logs of M6RIB
errors	Show error logs of M6RIB
msgs	Show various message logs of M6RIB
m6rib-event-hist-buf-name	M6RIB event history buffer name
statistics	Show the state and size of the buffers

Command Mode

- /exec

show routing ipv6 multicast memory estimate

show routing ipv6 multicast memory estimate [groups <group-count> sources-per-group <source-count> oifs-per-entry <oif-count>] [__readonly__ { { TABLE_cur_max <current-max-mb> <groups> <sources-per-group> <oifs-per-entry> } { TABLE_in_use <in-use_kb> <groups> <sources-per-group> <oifs-per-entry> } { TABLE_conf_max <conf-max-mb> <groups> <sources-per-group> <oifs-per-entry> } [TABLE_est_max <estimate-mb> <groups> <sources-per-group> <oifs-per-entry>] }]

Syntax Description

show	Show running system information
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
memory	Display m6rib memory information
estimate	Display m6rib memory estimate
groups	(Optional) Display m6rib memory estimate for # groups
group-count	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
source-count	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
oif-count	(Optional) Number of oifs per entry
__readonly__	(Optional)
TABLE_cur_max	(Optional)
current-max-mb	(Optional)
groups	(Optional)
sources-per-group	(Optional)
oifs-per-entry	(Optional)
TABLE_in_use	(Optional)
in-use_kb	(Optional)
groups	(Optional)
sources-per-group	(Optional)

oifs-per-entry	(Optional)
TABLE_conf_max	(Optional)
conf-max-mb	(Optional)
groups	(Optional)
sources-per-group	(Optional)
oifs-per-entry	(Optional)
TABLE_est_max	(Optional)
estimate-mb	(Optional)
groups	(Optional)
sources-per-group	(Optional)
oifs-per-entry	(Optional)

Command Mode

- /exec

show routing ipv6 nexthop info

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 [unicast] [topology <topology-name>] nexthop info [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
nexthop	Show the nh_info tree
info	Show the nh_info tree

Command Mode

- /exec

show routing ipv6 nhlfe

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 [unicast] [topology <topology-name>] nhlfe [stats] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ { TABLE_vrf <vrf-name-out> [<nhlfe-owner> <nhlfe-refcount> { TABLE_nhlabel <nhlabel-index> <nh-label> } <nhlfe-is-vpn> <nhlfe-owner-index>] <total-entries> }]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
nhlfe	Display NHLFE db
stats	(Optional) Display statistics
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
nhlfe-owner	(Optional)
nhlfe-refcount	(Optional)
TABLE_nhlabel	(Optional)
nhlabel-index	(Optional)
nh-label	(Optional)
nhlfe-is-vpn	(Optional)
nhlfe-owner-index	(Optional)
total-entries	(Optional)

Command Mode

- /exec

show routing ipv6 recursive-next-hop

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] ipv6 [unicast] [topology <topology-name>] recursive-next-hop [<ipv6-addr>] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <uptime> TABLE_clients <client-req> [<client-pend>]]]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ipv6	Display IPv6 information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
recursive-next-hop	Display recursive next-hop table
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_addrf	(Optional)
addrf	(Optional)
TABLE_prefix	(Optional)
uptime	(Optional)
TABLE_clients	(Optional)
client-req	(Optional)
client-pend	(Optional)

Command Mode

- /exec

show routing memory estimate

show routing [ip | ipv4] [unicast] memory estimate [routes <route-count> [next-hops <nh-count> <nh-unique>] [next-hops-v6 <nh6-count> <nh6-unique>] [next-hops-srte <srte-count> <srte-unique>]] [labels] [__readonly__ <current_max_mb> <current_max_routes> <urib_max_nh> <used_mb> <route_stats_alloc_count> <nhs> <configured_max_mb> <configured_max_routes> <urib_routes_max_nh> [<estimate_mb> <estimate_routes> <estimate_nhs> <estimate_with_mvpn_mb> <estimate_with_ospf_mb> <estimate_with_eigrp_mb>]]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
estimate	Display urib memory estimate
routes	(Optional) Display urib memory estimate for # routes
route-count	(Optional) Number of routes
next-hops	(Optional) Display urib memory estimate for # next-hops per route
nh-count	(Optional) Number of next-hops per route
nh-unique	(Optional) Number of unique next-hops (between 1 and route-count*nh-count)
next-hops-v6	(Optional) Display urib memory estimate for # V6 next-hops per route
nh6-count	(Optional) Number of V6 next-hops per route
nh6-unique	(Optional) Number of unique V6 next-hops (between 1 and route-count*nh6-count)
next-hops-srte	(Optional) Display urib memory estimate for # srte next-hops per route
srte-count	(Optional) Number of srte next-hops per route
srte-unique	(Optional) Number of unique srte next-hops (between 1 and route-count*srte-count)
labels	(Optional) When the routes are associated with next hop labels
__readonly__	(Optional)
current_max_mb	(Optional)

current_max_routes	(Optional)
urib_max_nh	(Optional)
used_mb	(Optional)
route_stats_alloc_count	(Optional)
nhs	(Optional)
configured_max_mb	(Optional)
configured_max_routes	(Optional)
urib_routes_max_nh	(Optional)
estimate_mb	(Optional)
estimate_routes	(Optional)
estimate_nhs	(Optional)
estimate_with_mvpn_mb	(Optional)
estimate_with_ospf_mb	(Optional)
estimate_with_eigrp_mb	(Optional)

Command Mode

- /exec

show routing memory statistics

show routing [ip | ipv4] [unicast] memory statistics [debug] [__readonly__ { TABLE_shrd_mem <ubuf-alloc> <ubuf-high-water> <ubuf-max> <ubuf-numalloc> <rbuf-alloc> <rbuf-high-water> <rbuf-max> <rbuf-numalloc> <slbs-alloc> <slbs-high-water> <slbs-max> <slbs-numalloc> } { TABLE_urib_slabs <slab-name> <slab-alloc-count> <slab-max-allocs> <slab-size> } { TABLE_urib_blks <block-name> <block-count> <max-blocks> <blks-count> } { TABLE_urib_routes_rnhs <ctx-name> <user-node> <total-node> <elem-size> }]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
memory	Display urib memory information
statistics	Display urib memory statistics
debug	(Optional) Display debugging data
__readonly__	(Optional)
TABLE_shrd_mem	(Optional)
ubuf-alloc	(Optional)
ubuf-high-water	(Optional)
ubuf-max	(Optional)
ubuf-numalloc	(Optional)
rbuf-alloc	(Optional)
rbuf-high-water	(Optional)
rbuf-max	(Optional)
rbuf-numalloc	(Optional)
slbs-alloc	(Optional)
slbs-high-water	(Optional)
slbs-max	(Optional)
slbs-numalloc	(Optional)

TABLE_urib_slabs	(Optional)
slab-name	(Optional)
slab-alloc-count	(Optional)
slab-max-allocs	(Optional)
slab-size	(Optional)
TABLE_urib_blks	(Optional)
block-name	(Optional)
block-count	(Optional)
max-blocks	(Optional)
blks-count	(Optional)
TABLE_urib_routes_rnhs	(Optional)
ctx-name	(Optional)
user-node	(Optional)
total-node	(Optional)
elem-size	(Optional)

Command Mode

- /exec

show routing multicast

show routing [ip | ipv4] multicast { { [bitfield] [detail] } | rp | { [<group>] summary [software-forwarded | rpf-failed] } | { summary [count | software-forwarded | rpf-failed] } | { { <source> <group> } | { <group> [<source>] | <group> shared-tree | <group> source-tree } | shared-tree | source-tree } { [flags] | [detail] | [summary [software-forwarded | rpf-failed] | bitfield] } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name> [<expry_timer>] [<route_count>] [<star_g_cnt>] [<sg_cnt>] [<star_g_prfx_cnt>] [TABLE_route_summary [<total-num-routes>] [<star-g-route>] [<sg-route>] [<star-g-prfx>] [<group-count>] [<avg>] [<rem>] [<stats-pndg>]] [TABLE_summary_source [<group_addr>] [<group_mask_len>] [<source_count>] [TABLE_one_sg [<source_addr>] [<packets>] [<bytes>] [<aps>] [<pps>] [<rate_buf>] [<oifs>] [<software_fwd>] [<rpf-failed-pkts>] [<rpf-failed-bytes>]]] [TABLE_one_route <mcast-addrs> [<source_addrs> <group_addrs>] <pending> <bidir> <uptime> <mofrr> [TABLE_mpib [<mpib-name>] [<oif-count>] [<stale-route>]] [<mdt-encap-index>] [<stats-pkts>] [<stats-bytes>] [<stats-rate-buf>] [<lisp-src-rloc>] [<translated-route-src>] [<translated-route-grp>] [<route-iif>] [<rpf-nbr>] [<mofrr-iif>] [<mofrr-nbr>] <internal> [<oif-count>] <fabric-oif> <fabric-loser> [<num-vpc-svi-oifs>] [TABLE_oif [<oif-name>] [<oif-uptime>] [TABLE_oif_mpib [<oif-mpib-name>] [<stale-oif>] [<omd-vpc-svi>]] <rpf>] [<route-mdt-iod>] [<oif-list-bitfield>]]]

Syntax Description

show	Show running system information
ip	(Optional) Display IP information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
routing	Display routing information
ipv4	(Optional) Display IP information
multicast	Display multicast information
summary	Display route counts
shared-tree	Display route for *,G entries
source-tree	Display route for S,G entries
software-forwarded	(Optional) Display software switched route counts only
rpf-failed	(Optional) Display RPF failure statistics
rp	Display RP routes (RP, 0.0.0.0/32)
group	(Optional) Display multicast group/source address for route
source	Display multicast group/source address for route

count	(Optional) Display route counts only
bitfield	(Optional) Display bitfield details
detail	(Optional) Display detailed route attributes
flags	(Optional) Display detailed route attributes
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
expry_timer	(Optional)
route_count	(Optional)
star_g_cnt	(Optional)
sg_cnt	(Optional)
star_g_prfx_cnt	(Optional)
TABLE_summary_source	(Optional)
group_addr	(Optional)
group_mask_len	(Optional)
source_count	(Optional)
TABLE_one_sg	(Optional)
source_addr	(Optional)
packets	(Optional)
bytes	(Optional)
aps	(Optional)
pps	(Optional)
rate_buf	(Optional)
oifs	(Optional)
software_fwd	(Optional)
rpf-failed-pkts	(Optional)
rpf-failed-bytes	(Optional)
TABLE_one_route	(Optional)
mcast-addrs	(Optional)

source_addrs	(Optional)
group_addrs	(Optional)
bidir	(Optional)
pending	(Optional)
mofrr	(Optional)
uptime	(Optional)
TABLE_mpib	(Optional)
mpib-name	(Optional)
oif-count	(Optional)
stale-route	(Optional)
mdt-encap-index	(Optional)
stats-pkts	(Optional)
stats-bytes	(Optional)
stats-rate-buf	(Optional)
lisp-src-rloc	(Optional)
translated-route-src	(Optional)
translated-route-grp	(Optional)
route-iif	(Optional)
rpf-nbr	(Optional)
mofrr-iif	(Optional)
mofrr-nbr	(Optional)
internal	(Optional)
oif-count	(Optional)
fabric-oif	(Optional)
fabric-loser	(Optional)
num-vpc-svi-oifs	(Optional)
TABLE_oif	(Optional)
oif-name	(Optional)
oif-uptime	(Optional)

TABLE_oif_mpib	(Optional)
oif-mpib-name	(Optional)
stale-oif	(Optional)
omd-vpc-svi	(Optional)
rpf	(Optional)
route-mdt-iod	(Optional)
oif-list-bitfield	(Optional)
TABLE_route_summary	(Optional)
total-num-routes	(Optional)
star-g-route	(Optional)
sg-route	(Optional)
star-g-prfx	(Optional)
group-count	(Optional)
avg	(Optional)
rem	(Optional)
stats-pndg	(Optional)

Command Mode

- /exec

show routing multicast clients

show routing [ip | ipv4] multicast clients [<client-name>] [detail] [__readonly__ { TABLE_mpib <mpib_name> <mpib_index> <mpib_pid> <mpib_mts_sap> <mpib_shm> <stale_timer> <join_notify> <prune_notify> <rpf_notify> <delete_notify> <repopulate_notify> <zero-oif-notify> <non-zero-oif-notify> <attach-notify> <non-attach-notify> <static-notify> <non-static-notify> <internal-notify> <non-internal-notify><external-notify><non-external-notify> <otv-decap-notify> <no-otv-decap-notify><vxlan-decap-notify> <no-vxlan-decap-notify> <mdt-encap-notify><no-mdt-encap-notify> <mdt-decap-notify> <no-mdt-decap-notify><vpc-svi-notify> <notification_pending> [<ssm_owner> <bidir_owner> <static_owner> <shared_only_owner> <locally_joined_owner> <external_owner> <mdt_owner> <fabric_owner> <sticky_iif_owner> <data_created_owner> <internal_owner> <prune_owner> <attached_owner> <otv_decap_owner> <vxlan_decap_owner> <secondary_owner> <encap_index_owner> <force_punt_owner> <multi_route_owner> <register_stop_owner>] <notify_sent> <notify_fail> <notify_ack_rcvd> <add_route_req_rcvd> <add_route_ack_sent> <add_route_ack_fail> <delete_route_req_rcvd> <delete_route_ack_sent> <delete_route_ack_fail> <update_route_req_rcvd> <update_route_ack_sent> <update_route_ack_fail> <update_mdt_info_req_rcvd> <update_mdt_info_ack_sent> <update_mdt_info_ack_fail> <mts_update_route_req_rcvd> <mts_update_route_ack_sent> <mts_update_route_ack_fail> <force_update_rcvd> <notify_member_count> <pending_mpib> <uptime> }]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
clients	Display multicast routing client information
client-name	(Optional) Multicast routing client name
detail	(Optional) Display detailed route attributes
__readonly__	(Optional)
TABLE_mpib	(Optional)
mpib_name	(Optional)
mpib_index	(Optional)
mpib_pid	(Optional)
mpib_mts_sap	(Optional)
mpib_shm	(Optional)
stale_timer	(Optional)

join_notify	(Optional)
prune_notify	(Optional)
rpf_notify	(Optional)
delete_notify	(Optional)
repopulate_notify	(Optional)
zero-oif-notify	(Optional)
non-zero-oif-notify	(Optional)
attach-notify	(Optional)
non-attach-notify	(Optional)
static-notify	(Optional)
non-static-notify	(Optional)
internal-notify	(Optional)
otv-decap-notify	(Optional)
no-vxlan-decap-notify	(Optional)
mdt-decap-notify	(Optional)
notification_pending	(Optional)
ssm_owner	(Optional)
bidir_owner	(Optional)
static_owner	(Optional)
shared_only_owner	(Optional)
locally_joined_owner	(Optional)
external_owner	(Optional)
mdt_owner	(Optional)
fabric_owner	(Optional)
sticky_iif_owner	(Optional)
data_created_owner	(Optional)
internal_owner	(Optional)
prune_owner	(Optional)
attached_owner	(Optional)

otv_decap_owner	(Optional)
vxlan_decap_owner	(Optional)
secondary_owner	(Optional)
encap_index_owner	(Optional)
force_punt_owner	(Optional)
multi_route_owner	(Optional)
register_stop_owner	(Optional)
notify_sent	(Optional)
notify_fail	(Optional)
notify_ack_rcvd	(Optional)
add_route_req_rcvd	(Optional)
add_route_ack_sent	(Optional)
add_route_ack_fail	(Optional)
delete_route_req_rcvd	(Optional)
delete_route_ack_sent	(Optional)
delete_route_ack_fail	(Optional)
update_route_req_rcvd	(Optional)
update_route_ack_sent	(Optional)
update_route_ack_fail	(Optional)
update_mdt_info_req_rcvd	(Optional)
update_mdt_info_ack_sent	(Optional)
update_mdt_info_ack_fail	(Optional)
mts_update_route_req_rcvd	(Optional)
mts_update_route_ack_sent	(Optional)
mts_update_route_ack_fail	(Optional)
force_update_rcvd	(Optional)
notify_member_count	(Optional)
pending_mpib	(Optional)
uptime	(Optional)

Command Mode

- /exec

show routing multicast event-history

show routing [ip | ipv4] multicast [internal] event-history { errors | msgs | <mrib-event-hist-buf-name> | statistics }

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
internal	(Optional) Commands for internal use
event-history	Show various event logs of MRIB
errors	Show error logs of MRIB
msgs	Show various message logs of MRIB
mrib-event-hist-buf-name	Event history buffer name
statistics	State and size of buffer

Command Mode

- /exec

show routing multicast mdt encapsulation

show routing [ip | ipv4] multicast mdt encapsulation [detail] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_vrf <vrf-name> [TABLE_mdt <index> <group> <source> <count> <delete-pending>]]]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
mdt	Multicast Distribution Tree
encapsulation	Encapsulation Information
detail	(Optional) Display detailed information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name	(Optional)
TABLE_mdt	(Optional)
index	(Optional)
group	(Optional)
source	(Optional)
count	(Optional)
delete-pending	(Optional)

Command Mode

- /exec

show routing multicast memory estimate

show routing [ip | ipv4] multicast memory estimate [groups <group-count> sources-per-group <source-count> oifs-per-entry <oif-count> [mdt-encap-entries <encap-entry-count>]] [__readonly__ [TABLE_currentmax [<max-mb>] [<max-groups>] [<sources-per-group>] [<oifs-per-entry>]] [TABLE_inuse [<used-kb>] [<alloc-count>] [<sources-per-group>] [<oifs-per-entry>] [<mdt-encap-entry>]] [TABLE_configuredmax [<max-mb>] [<max-groups>] [<sources-per-group>] [<oifs-per-entry>]] [TABLE_estimate [<estimate-mb>] [<groups>] [<sources-per-group>] [<oifs-per-entry>] [<mdt-encap-entry>]]]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
memory	Display mrib memory information
estimate	Display mrib memory estimate
groups	(Optional) Display mrib memory estimate for # groups
group-count	(Optional) Number of groups
sources-per-group	(Optional) Display mrib memory estimate for # sources per group
source-count	(Optional) Number of sources per route
oifs-per-entry	(Optional) Display mrib memory estimate for # oifs per (S,G) or (*,G) entry
oif-count	(Optional) Number of oifs per entry
mdt-encap-entries	(Optional) Display mrib memory estimate for # mdt encap entries
encap-entry-count	(Optional) Number of mdt encap entries
__readonly__	(Optional)
TABLE_currentmax	(Optional)
max-mb	(Optional)
max-groups	(Optional)
sources-per-group	(Optional)
oifs-per-entry	(Optional)

TABLE_inuse	(Optional)
used-kb	(Optional)
alloc-count	(Optional)
sources-per-group	(Optional)
oifs-per-entry	(Optional)
mdt-encap-entry	(Optional)
TABLE_configuredmax	(Optional)
max-mb	(Optional)
max-groups	(Optional)
sources-per-group	(Optional)
oifs-per-entry	(Optional)
TABLE_estimate	(Optional)
estimate-mb	(Optional)
groups	(Optional)
sources-per-group	(Optional)
oifs-per-entry	(Optional)
mdt-encap-entry	(Optional)

Command Mode

- /exec

show routing multicast sr

show routing [ip | ipv4] multicast sr [vrf { <vrf-name> | <vrf-known-name> | all }]

Syntax Description

show	Show running system information
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display multicast information
sr	Service Reflect Rules
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display information for all VRFs

Command Mode

- /exec

show routing nhlfe

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] nhlfe [stats] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> [<nhlfe-owner> <nhlfe-refcount> { TABLE_nhlabel <nhlabel-index> <nh-label> } <nhlfe-is-vpn> <nhlfe-owner-index>] <total-entries>]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
nhlfe	Display URIB NHLFE db
stats	(Optional) Display statistics
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
nhlfe-owner	(Optional)
nhlfe-refcount	(Optional)
TABLE_nhlabel	(Optional)
nhlabel-index	(Optional)
nh-label	(Optional)
nhlfe-is-vpn	(Optional)
nhlfe-owner-index	(Optional)

total-entries	(Optional)

Command Mode

- /exec

show routing recursive-next-hop

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] recursive-next-hop [<ip-addr>] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <uptime> TABLE_clients <clientname>]]

Syntax Description

show	Show running system information
routing	Display routing information
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
recursive-next-hop	Display recursive next-hop table
topology-name	(Optional) topology name
ip-addr	(Optional) Display single recursive virtual next-hop
__readonly__	(Optional)
TABLE_vrf	(Optional)
vrf-name-out	(Optional)
TABLE_addrf	(Optional)
addrf	(Optional) Address type
TABLE_prefix	(Optional)
ipprefix	(Optional)
uptime	(Optional)
TABLE_clients	(Optional)
clientname	(Optional)

Command Mode

- /exec

show routing unresolved-next-hop

show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] unresolved-next-hop { [<ip-addr> [detail]] | [summary] } [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }]

Syntax Description

show	Show running system information
routing	Display routing information
unresolved-next-hop	Display unresolved next-hop list
vrf	(Optional) Display per-VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
vrf-all	(Optional) Display information for all VRFs
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast information
topology	(Optional) Display per-topology information
topology-name	(Optional) topology name
ip-addr	(Optional) Display single unresolved next-hop
detail	(Optional) Display prefixes for unresolved next-hop
summary	(Optional) Show summary of resolve buffers

Command Mode

- /exec

show running-config

show running-config

Syntax Description

show	Show running system information
running-config	Current operating configuration

Command Mode

- /exec

show running-config aaa

show running-config aaa [all]

Syntax Description

show	show running-cfg
running-config	show running system information
aaa	Display aaa configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config acllog

show running-config acllog [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
acllog	show running config for acllog
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config aclmgr

show running-config aclmgr [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
aclmgr	show running config for aclmgr
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config aclmgr active

show running-config aclmgr { active-if-config | all-if-config }

Syntax Description

show	Show running system information
running-config	Current operating configuration
aclmgr	show running config for aclmgr
active-if-config	show running config for active-policies
all-if-config	show running config for all-policies

Command Mode

- /exec

show running-config adjmgr

show running-config adjmgr [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config all

show running-config all

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	Current operating configuration with defaults

Command Mode

- /exec

show running-config amt

show running-config amt [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
amt	Display amt information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config arp

show running-config arp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config assoc

show running-config assoc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
assoc	Original ID to Translated ID Association
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config backup

show running-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
backup	Show running config for Switchport Backup
flexlink	Show running config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show running-config bfd

show running-config bfd [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
bfd	show running config for bfd
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config bgp

show running-config bgp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config bloggerd

show running-config bloggerd [all]

Syntax Description

show	show running-cfg
running-config	show running system information
bloggerd	Display bloggerd configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config callhome

show running-config callhome [all]

Syntax Description

show	show running-cfg
running-config	show running system information
callhome	Display callhome configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config catena

show running-config catena

Syntax Description

show	show running-cfg
running-config	show running system information
catena	catena instances

Command Mode

- /exec

show running-config cdp

show running-config cdp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cdp	Display cdp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cert-enroll

show running-config cert-enroll [all]

Syntax Description

show	show running-cfg
running-config	show running system information
cert-enroll	Display certificates configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config cfs

show running-config cfs [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config clock_manager

show running-config clock_manager [all]

Syntax Description

running-config	Current operating configuration
clock_manager	show running config for clock manager
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config config-profile

show running-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
config-profile	Display port-profile configuration
all_conf_profile_name	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config config-template

show running-config config-template

Syntax Description

show	Show running system information
running-config	Current operationg configuration
config-template	Display config-template configuration

Command Mode

- /exec

show running-config controller

show running-config controller

Syntax Description

show	Show running system information
running-config	Current operating configuration
controller	controller

Command Mode

- /exec

show running-config copp

show running-config copp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
copp	Control-Plane Policing
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config dhcp

show running-config dhcp [all]

Syntax Description

show	Show running system information
running-config	Current operation configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config diagnostic

show running-config diagnostic [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
diagnostic	Display diagnostic information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config diff

show running-config diff

Syntax Description

show	Show running system information
running-config	Current operating configuration
diff	Show the difference between running and startup configuration

Command Mode

- /exec

show running-config dot1x

show running-config dot1x [all]

Syntax Description

show	show running-cfg
running-config	show running system information
dot1x	Display dot1x configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ecp

show running-config ecp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config eem

show running-config eem

Syntax Description

show	Show running system information
running-config	Show the system running configuration
eem	Show the event manager running configuration

Command Mode

- /exec

show running-config eigrp

show running-config eigrp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config eltm

show running-config eltm

Syntax Description

show	Show running system information
running-config	Current operation configuration
eltm	Display eltm configurations

Command Mode

- /exec

show running-config evb

show running-config evb [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config exclude

show running-config exclude <feature-list> +

Syntax Description

show	Show running system information
running-config	Current operating configuration
exclude	Exclude running configuration of specified features
feature-list	Exclude features

Command Mode

- /exec

show running-config exclude fabricpath

show running-config exclude fabricpath

Syntax Description

show	Show running system information
running-config	Current operating configuration
exclude	Exclude configurations
fabricpath	fabricpath information

Command Mode

- /exec

show running-config expand-port-profile

show running-config expand-port-profile

Syntax Description

show	Show running system information
running-config	Current operating configuration
expand-port-profile	Expand port profile

Command Mode

- /exec

show running-config explicit

show running-config explicit

Syntax Description

show	Show running system information
running-config	Current operating configuration
explicit	show explicitly configured running configuration for all interfaces

Command Mode

- /exec

show running-config fabric forwarding

show running-config fabric forwarding [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fabric multicast

show running-config fabric multicast [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config fcoe_mgr

show running-config fcoe_mgr [all]

Syntax Description

show	show running-cfg
running-config	show running system information
fcoe_mgr	Display fcoe_mgr configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hardware-telemetry

show running-config hardware-telemetry [all]

Syntax Description

running-config	Current operating configuration
hardware-telemetry	show running config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config hsrp

show running-config hsrp [all]

Syntax Description

show	Show system information
running-config	System running configuration
hsrp	HSRP running configuration
all	(Optional) Show HSRP running configuration defaults

Command Mode

- /exec

show running-config icam

show running-config icam

Syntax Description

show	show running-cfg
running-config	show running system information
icam	icam services

Command Mode

- /exec

show running-config icmpv6

show running-config icmpv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config igmp

show running-config igmp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config imp

show running-config imp [all]

Syntax Description

show	Show system information
running-config	System running configuration
imp	IMP running configuration
all	(Optional) Show IMP running configuration defaults

Command Mode

- /exec

show running-config interface

show running-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
if0	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config interface

show running-config interface [<if0>] [all] [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
if0	(Optional) interface type and number in module/slot format
all	(Optional) show running config with defaults
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config interface defaults

show running-config interface <if0> defaults

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
if0	interface type and number in module/slot format
defaults	show default running config

Command Mode

- /exec

show running-config interface explicit

show running-config interface <if0> explicit

Syntax Description

show	Show running system information
running-config	Current operating configuration
interface	Interface configuration
if0	interface type and number in module/slot format
explicit	show default running config

Command Mode

- /exec

show running-config ip

show running-config ip [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ipqos

show running-config ipqos [all | inactive-if-config]

Syntax Description

show	Show running system information
running-config	Current operating configuration
all	(Optional) show running config with defaults
inactive-if-config	(Optional) show running config for inactive-policies

Command Mode

- /exec

show running-config ipqos active

show running-config ipqos { active-if-config | all-if-config }

Syntax Description

show	Show running system information
running-config	Current operating configuration
active-if-config	show running config for active-policies
all-if-config	show running config for all-policies

Command Mode

- /exec

show running-config ipv6

show running-config ipv6 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config isis

show running-config isis [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config l3vm

show running-config l3vm [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config ldap

show running-config ldap [all]

Syntax Description

show	show running-cfg
running-config	show running system information
ldap	Display ldap configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config license

show running-config license [all]

Syntax Description

show	show
running-config	show running system information
license	Display licensing configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config lldp

show running-config lldp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
lldp	Display lldp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config macsec

show running-config macsec

Syntax Description

show	Show running system information
running-config	Current operating configuration
macsec	Show CTS information

Command Mode

- /exec

show running-config mmode

show running-config mmode [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
mmode	Display maintenance mode running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config monitor

show running-config monitor [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
monitor	Configure Ethernet SPAN sessions
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config mpls ldp

show running-config mpls ldp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	Display MPLS status and configuration
ldp	Label Distribution Protocol
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show running-config mpls static

show running-config mpls static [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show running-config mpls strip

show running-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	Configure MPLS settings
strip	Stripping of MPLS headers
running-config	System running configuration
all	(Optional) Show running configuration for STRIPCL with defaults

Command Mode

- /exec

show running-config mpls traffic-eng

show running-config mpls traffic-eng [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
mpls	show running config for mpls features
traffic-eng	show running-config for Traffic Engineering
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config msdp

show running-config msdp [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config nat

show running-config nat [all]

Syntax Description

show	show running-cfg
running-config	show running system information
nat	Display NAT configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config nbm

show running-config nbm

Syntax Description

show	Show running system information
running-config	Current operating configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show running-config netflow

show running-config { netflow | nfm } [all]

Syntax Description

show	Show running system information
running-config	Show running system information
netflow	Show NetFlow configuration
nfm	Show NFM configuration
all	(Optional) Show config with defaults

Command Mode

- /exec

show running-config ngoam

show running-config ngoam [all]

Syntax Description

show	Show running system information
running-config	Show running system information
ngoam	ngoam configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config ntp

show running-config ntp [all]

Syntax Description

show	Show information
running-config	Show running system configuration
ntp	Show NTP information
all	(Optional) Show all NTP running configuration

Command Mode

- /exec

show running-config nv overlay

show running-config nv overlay [all]

Syntax Description

show	Show system information
running-config	System running configuration
nv	NVE running configuration
overlay	NVE running configuration
all	(Optional) Show NVE running configuration defaults

Command Mode

- /exec

show running-config nxsdk

show running-config nxsdk [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config openflow

show running-config openflow [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
openflow	Show running config for OpenFlow agent
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config ospf

show running-config ospf [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config ospfv3

show running-config ospfv3 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config param-list

show running-config param-list [<plistname>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
param-list	Display param-list configuration
plistname	(Optional) Enter the name of the param list

Command Mode

- /exec

show running-config pim

show running-config pim [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config pim6

show running-config pim6 [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config plb-services

show running-config plb-services

Syntax Description

show	show running-cfg
running-config	show running system information
plb-services	PLB services

Command Mode

- /exec

show running-config poe

show running-config poe [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
poe	Power over Ethernet
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config port-profile

show running-config port-profile [<all_profile_name>]

Syntax Description

show	Show running-cfg
running-config	show running configuration
port-profile	Display port-profile configuration
all_profile_name	(Optional) Enter the name of the profile

Command Mode

- /exec

show running-config port-security

show running-config port-security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config ptp

show running-config ptp [all]

Syntax Description

running-config	Current operating configuration
ptp	show running config for ptp
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config radius

show running-config radius [all]

Syntax Description

show	show running-cfg
running-config	show running system information
radius	Display radius configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config res_mgr

show running-config res_mgr

Syntax Description

show	Show running system information
running-config	Current operating configuration
res_mgr	Show resource configuration for VDC

Command Mode

- /exec

show running-config rip

show running-config rip [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ip multicast

show running-config routing { ip | ipv4 } multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config routing ipv6 multicast

show running-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display m6rib information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config rpm

show running-config rpm [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show running-config section

show running-config section <section>

Syntax Description

show	Show running system information
running-config	Current operating configuration
section	show only a particular section of running-config (in format needed for 'merge config' command)
section	the section to show, a regular expression, (use a dot for a space)

Command Mode

- /exec

show running-config security

show running-config security [all]

Syntax Description

show	show running-cfg
running-config	show running system information
security	Display security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config segment-routing

show running-config segment-routing [all]

Syntax Description

show	Show running system information
running-config	Show running configuration
segment-routing	Display segment-routing running configuration
all	(Optional) Show running config with defaults

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config services

show running-config services

Syntax Description

show	show running-cfg
running-config	show running system information
services	services

Command Mode

- /exec

show running-config sflow

show running-config sflow [all]

Syntax Description

running-config	Current operating configuration
sflow	show running config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config sla responder

show running-config sla responder

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show running-config sla sender

show running-config sla sender

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show running-config sla twamp-server

show running-config sla twamp-server

Syntax Description

show	show running-cfg
running-config	show running system information
sla	Service Level Agreement (SLA)
twamp-server	Show IPSLA IPPM TWAMP server configuration

Command Mode

- /exec

show running-config smart-channel

show running-config smart-channel

Syntax Description

show	show running-cfg
running-config	show running system information
smart-channel	smart channel services

Command Mode

- /exec

show running-config snmp

show running-config snmp [all]

Syntax Description

show	show running-cfg
running-config	show running system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config spanning-tree

show running-config spanning-tree [<all> | interface <interface_range>]

Syntax Description

show	Show running system information
running-config	Current operating configuration
spanning-tree	Show spanning tree information
all	(Optional)
interface	(Optional) Specify an interface as a target for the command
interface_range	(Optional)

Command Mode

- /exec

show running-config srte

show running-config srte

Syntax Description

show	Show running system information
running-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show running-config switch

show running-config { switch-profile | include-switch-profile }

Syntax Description

show	Show running system information
running-config	Current operating configuration
switch-profile	Show switch-profile information
include-switch-profile	Show running and switch-profile configuration

Command Mode

- /exec

show running-config tacacs

show running-config tacacs + [all]

Syntax Description

show	show running-cfg
running-config	show running system information
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config telemetry

show running-config telemetry [all]

Syntax Description

show	show running system configuration
running-config	Current operating configuration
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config track

show running-config track [all]

Syntax Description

show	Show running system information
running-config	Show the system running information
track	Show track running configuration
all	(Optional) Show track running configuration defaults

Command Mode

- /exec

show running-config udld

show running-config udld [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
udld	Show udld configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vdc-all

show running-config vdc-all [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc-all	Display config from all VDC
all	(Optional) Display config from all VDC including defaults

Command Mode

- /exec

show running-config vdc

show running-config vdc [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vdc	Show Virtual Device Contexts
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config virtual-service

show running-config virtual-service

Syntax Description

show	Show running system information
running-config	Current operating configuration
virtual-service	Show running config for virtualization services

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vlan

show running-config vlan

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands

Command Mode

- /exec

show running-config vlan

show running-config vlan <vlan-id> [expand-port-profile]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan	Vlan commands
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show running-config vlan_mgr

show running-config vlan_mgr

Syntax Description

show	Show running system information
running-config	Current operating configuration
vlan_mgr	Show vlan manager information

Command Mode

- /exec

show running-config vmtracker

show running-config vmtracker [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vmtracker	show running config for vmtracker
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vpc

show running-config vpc [all]

Syntax Description

running-config	Current operating configuration
vpc	show running config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrf

show running-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
vrf	Display VRF information
vrf-cfg-name	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrf default

show running-config vrf default [all]

Syntax Description

show	Show running system information
running-config	Current operationg configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show running-config vrrp

show running-config vrrp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrp	Display VRRP running configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vrrpv3

show running-config vrrpv3 [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vrrpv3	Show running config for VRRPv3
all	(Optional) show running config with defaults

Command Mode

- /exec

show running-config vshd

show running-config vshd

Syntax Description

show	Show running system information
running-config	Current operating configuration
vshd	Show running config for vshd

Command Mode

- /exec

show running-config vtp

show running-config vtp [all]

Syntax Description

show	Show running system information
running-config	Current operating configuration
vtp	Show running configuration for VTP
all	(Optional) Show running configuration for VTP with defaults

Command Mode

- /exec

show running-config wwnm

show running-config wwnm

Syntax Description

show	Show running system information
running-config	Current running configuration
wwnm	Display WWN Manager running configuration

Command Mode

- /exec

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show san-port-channel compatibility-parameters

show san-port-channel compatibility-parameters [__readonly__ [{ TABLE_compatibility_params <parameter> <description> }]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
compatibility-parameters	Show san-port-channel compatibility-parameters
__readonly__	(Optional) Read Only
TABLE_compatibility_params	(Optional) Table with compatibility params
parameter	(Optional) Compatibity parameter
description	(Optional) Parameter description

Command Mode

- /exec

show san-port-channel consistency

show san-port-channel consistency [__readonly__ [<msg>] [{ [<error_msg>] [<consistency_state>] [<module>] [{ TABLE_inconsistent_database [<database>] [{ [<total_port_channels>] [{ TABLE_san_port_channel_database [<interface>] [<total_ports>] [<first_operational_port>] [{ TABLE_san_port_channel_member <port> <state> }] [<db_error_str>] }] }] }] }]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
__readonly__	(Optional) Read Only
msg	(Optional) Message string
error_msg	(Optional) Prints consistency errors, if any
consistency_state	(Optional) Consistency state
module	(Optional) Module no
TABLE_inconsistent_database	(Optional) Table with details of inconsistent dbs
database	(Optional) Inconsistent database
TABLE_san_port_channel_database	(Optional) san-po Table
total_port_channels	(Optional) Total port channels
interface	(Optional) san-port-channel interface
first_operational_port	(Optional) First oper port in san-po
total_ports	(Optional) Total number of ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
port	(Optional) san-po member port
state	(Optional) san-po member port state
db_error_str	(Optional) prints cmd errors, if any

Command Mode

- /exec

show san-port-channel consistency detail

show san-port-channel consistency detail [__readonly__ [<sup_total_port_channels>] [{ [<sup_db_error_str>] [{ TABLE_sup_san_port_channel_database <sup_interface> [<sup_total_ports>] [<sup_first_operational_port>] [{ TABLE_sup_san_port_channel_member <sup_port> <sup_state> }] }] }] [<msg>] [{ [<error_msg>] [<db_index>] [<module>] [{ [<total_port_channels>] [{ TABLE_san_port_channel_database [<interface>] [<total_ports>] [<first_operational_port>] [{ TABLE_san_port_channel_member <port> <state> }] [<db_error_str>] }] }] }] [<consistency_state>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
consistency	Show san-port-channel distributed database consistency
detail	Show san-port-channel distributed databases of all modules
__readonly__	(Optional) Read Only
sup_total_port_channels	(Optional) Authoritative po db - Total POs
TABLE_sup_san_port_channel_database	(Optional) Table with details of auth po db
sup_interface	(Optional) san-port-channel interface
sup_first_operational_port	(Optional) First oper port in san-po
sup_total_ports	(Optional) Total number of ports in the san-po
TABLE_sup_san_port_channel_member	(Optional) san-po member Table
sup_port	(Optional) san-po member port
sup_state	(Optional) san-po member port state
sup_db_error_str	(Optional) prints cmd errors, if any
msg	(Optional) Msg string
error_msg	(Optional) Prints errors, if any
db_index	(Optional) Database index
module	(Optional) Module no
total_port_channels	(Optional) Authoritative po db - Total POs
TABLE_san_port_channel_database	(Optional) Table with details of auth po db
interface	(Optional) san-port-channel interface
first_operational_port	(Optional) First oper port in san-po

total_ports	(Optional) Total number of ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
port	(Optional) san-po member port
state	(Optional) san-po member port state
db_error_str	(Optional) prints cmd errors, if any
consistency_state	(Optional) Consistency state

Command Mode

- /exec

show san-port-channel database

show san-port-channel database [interface <ifid> | all] [__readonly__ [<error_str>] [{ TABLE_san_port_channel_database <interface> <admin_chan_mode> <oper_chan_mode> <last_membership_update> [<last_membership_update_fail_reason>] [<pcm_interface_flag>] [<vlan_interfaces>] [<first_operational_port>] [<total_ports>] [<total_oper_ports>] [{ TABLE_san_port_channel_member <port> <state> }] }] [<cmd_error_str>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
database	Show san-port-channel database
interface	(Optional) Specify a port-channel
ifid	(Optional)
all	(Optional) Display all port-channel
__readonly__	(Optional) Read Only
error_str	(Optional) Prints errors,if any
TABLE_san_port_channel_database	(Optional) san-port-channel database Table
interface	(Optional) san-po Interface
admin_chan_mode	(Optional) san-po administrative channel mode
oper_chan_mode	(Optional) san-po operational channel mode
last_membership_update	(Optional) Last membership update status
last_membership_update_fail_reason	(Optional) Membership update status casue
pcm_interface_flag	(Optional) san-po interface flag
vlan_interfaces	(Optional) san-po vlan interfaces
first_operational_port	(Optional) First oper port in san-po
total_ports	(Optional) Total number of ports in the san-po
total_oper_ports	(Optional) Total oper ports in the san-po
TABLE_san_port_channel_member	(Optional) san-po member Table
port	(Optional) san-po member port
state	(Optional) san-po member port state
cmd_error_str	(Optional) prints cmd errors,if any

Command Mode

- /exec

show san-port-channel summary

show san-port-channel summary [__readonly__ [{ TABLE_san_port_channel_summary <interface> <total_ports> <total_oper_ports> <first_operational_port> }] [<cmd_error_str>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
summary	Show san-port-channel summary
__readonly__	(Optional) Read Only
TABLE_san_port_channel_summary	(Optional) san-port-channel Summary Table
interface	(Optional) san-po Interface
total_ports	(Optional) Total number of ports in the san-po
total_oper_ports	(Optional) Total oper ports in the san-po
first_operational_port	(Optional) First oper port in san-po
cmd_error_str	(Optional) Prints cmd error,if any

Command Mode

- /exec

show san-port-channel usage

show san-port-channel usage [__readonly__ [<total_channel_numbers_used> { <used_range> } + { <unused_range> } +] [<error_str>]]

Syntax Description

show	Show running system information
san-port-channel	Show san-port-channel information
usage	Show san-port-channel usages
__readonly__	(Optional) Read Only
total_channel_numbers_used	(Optional) Total used number of port-channels
used_range	(Optional) Used range
unused_range	(Optional) Un-used range
error_str	(Optional) Prints error if any

Command Mode

- /exec

show scheduler config

show scheduler config [__readonly__ [<terminal>] [<feature>] [<logfilesize>] [<emailfrom>] [<emailreplyto>] [<smtpserver>] [<port>] [<usevrf>] [{ TABLE_userconfig <username> [<password>] }] [{ TABLE_jobconfig <jobdata> }] [{ TABLE_scheduleconfig <schedulename> [<scheduletype>] [{ TABLE_jobs <status> }] [<email>] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
config	Display scheduler config
__readonly__	(Optional)
terminal	(Optional) logfile terminal
feature	(Optional) name service
logfilesize	(Optional) logfilesize
emailfrom	(Optional) emailfrom
emailreplyto	(Optional) emailreplyto
smtpserver	(Optional) smtpserver
port	(Optional) port
usevrf	(Optional) usevrf
TABLE_userconfig	(Optional) userconfig
username	(Optional) username
password	(Optional) password
TABLE_jobconfig	(Optional) job configs
jobdata	(Optional) jobdata
TABLE_scheduleconfig	(Optional) schedule configs
schedulename	(Optional) schedulename
scheduletype	(Optional) scheduletype
TABLE_jobs	(Optional) jobs
status	(Optional) status
email	(Optional) email

Command Mode

- /exec

show scheduler job

show scheduler job [name <s0>] [__readonly__ [{ TABLE_schedulerjobs <jobname> [<jobdata>] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
job	Display job information
name	(Optional) Specify the name of job
s0	(Optional) Specify the job name
__readonly__	(Optional)
TABLE_schedulerjobs	(Optional) schedulerjobs
jobname	(Optional) job name
jobdata	(Optional) job data

Command Mode

- /exec

show scheduler logfile

show scheduler logfile [__readonly__ [{ TABLE_joblog <jobname> [<jobstatus>] [<schedulename>] [<scheduleusername>] [<completiontime>] [<joboutput>] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
logfile	Display scheduler job output log
__readonly__	(Optional)
TABLE_joblog	(Optional) jobs log
jobname	(Optional) job name
jobstatus	(Optional) job status
schedulename	(Optional) schedulename
scheduleusername	(Optional) scheduleusername
completiontime	(Optional) completiontime
joboutput	(Optional) joboutput

Command Mode

- /exec

show scheduler schedule

show scheduler schedule [name <s0>] [__readonly__ [{ TABLE_schedules <schedulename> [<scheduleusername>] [<scheduletype>] [<starttime>] [<lastexectime>] [<lastcompletiontime>] [<execcount>] [<jobcount>] [{ TABLE_jobs <jobname> [<execstatus>] }] }]]

Syntax Description

show	Show running system information
scheduler	Show scheduler config or data
schedule	Display schedule information
name	(Optional) Specify the name of schedule
s0	(Optional) Specify the schedule name
__readonly__	(Optional)
TABLE_schedules	(Optional) schedules
schedulename	(Optional) Schedule name
scheduleusername	(Optional) schedule username
scheduletype	(Optional) scheduletype
starttime	(Optional) starttime
lastexectime	(Optional) last exec time
lastcompletiontime	(Optional) lastcompletiontime
execcount	(Optional) execcount
jobcount	(Optional) jobcount
TABLE_jobs	(Optional) jobs
jobname	(Optional) jobname
execstatus	(Optional) execstatus

Command Mode

- /exec

show segment-routing

show segment-routing [detail] [__readonly__ <srvname> <state> <process_id> [<srgb_min_label> <srgb_max_label> <srgb_alloc_status> [<oper_srgb_min_label> <oper_srgb_max_label>] <cleanup_intvl> <retry_intvl> [<num_retries>] [<srgb_alloc_hdl>] [<cleanup_timer_state> <retry_timer_state>]] [<ulib_reg_status> [<ulib_pib_hdl>]]]

Syntax Description

show	Show running system information
segment-routing	Display segment-routing status info
detail	(Optional) Show detailed information
__readonly__	(Optional)
srvname	(Optional) Service name
state	(Optional) Process state
process_id	(Optional) Process id
srgb_min_label	(Optional) Configured SRGB min label
srgb_max_label	(Optional) Configured SRGB max label
srgb_alloc_status	(Optional) SRGB allocation status
oper_srgb_min_label	(Optional) Operational SRGB min label
oper_srgb_max_label	(Optional) Operational SRGB max label
cleanup_intvl	(Optional) SRGB cleanup interval
retry_intvl	(Optional) SRGB alloc retry interval
num_retries	(Optional) SRGB alloc retries done
srgb_alloc_hdl	(Optional) SRGB alloc handle
cleanup_timer_state	(Optional) SRGB cleanup timer state
retry_timer_state	(Optional) SRGB retry timer state
ulib_reg_status	(Optional) ULIB registation done
ulib_pib_hdl	(Optional) ULIB PIB handle

Command Mode

- /exec

show segment-routing clients

show segment-routing clients [__readonly__ [{ TABLE_client <client_pib_name> <client_pib_index> <client_uuid> <client_pid> <client_sap> [{ TABLE_tib <vrf_name> <tib_name> [<pfxsid_cleanup_status>] }] }] <total_clients>]

Syntax Description

show	Show running system information
segment-routing	Display segment-routing status info
clients	Display client info
__readonly__	(Optional)
TABLE_client	(Optional)
client_pib_name	(Optional) Client name
client_pib_index	(Optional) Client pib index
client_uuid	(Optional) Client UUID
client_pid	(Optional) Client PID
client_sap	(Optional) Client SAP
TABLE_tib	(Optional)
vrf_name	(Optional) VRF name
tib_name	(Optional) Table name
pfxsid_cleanup_status	(Optional) Prefixsid Cleanup Pending?
total_clients	(Optional) Total number of clients

Command Mode

- /exec

show segment-routing ipv4 connected-prefix-sid-map

show segment-routing ipv4 connected-prefix-sid-map [__readonly__ [{ TABLE_tib <vrf_name> <tib_name> [{ TABLE_pfxsid <prefix> <index> <absolute> <range> <valid> }] }]]

Syntax Description

show	Show running system information
segment-routing	Display segment-routing status info
ipv4	Display info for IPv4 address-family
connected-prefix-sid-map	Display prefix-sid mapping
__readonly__	(Optional)
TABLE_tib	(Optional)
vrf_name	(Optional) Vrf name
tib_name	(Optional) Table name
TABLE_pfxsid	(Optional)
prefix	(Optional) Prefix
index	(Optional) Segment ID
absolute	(Optional) Segment ID is absolute?
range	(Optional) Range of Segment IDs from index
valid	(Optional) Segment ID is valid?

Command Mode

- /exec

show sflow

show sflow [__readonly__ <sampling-rate> <max-sampled-size> <counter-poll-interval> <max-datagram-size> <collector-ip> <collector-vrf> <source-ip> <collector-port> <agent-ip> <data-source-interface>]

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
__readonly__	(Optional) Read only
sampling-rate	(Optional) Sampling Rate
max-sampled-size	(Optional) Max Sampled Size
counter-poll-interval	(Optional) Counter Poll Interval
max-datagram-size	(Optional) Max Datagram Size
collector-ip	(Optional) Collector IP
collector-vrf	(Optional) Collector VRF
source-ip	(Optional) Source IP
collector-port	(Optional) Collector Port
agent-ip	(Optional) Agent IP
data-source-interface	(Optional) Data Source Interface

Command Mode

- /exec

show sflow statistics

show sflow statistics [__readonly__ <total-packets> <total-samples> <processed-samples> <dropped-samples> <rate-limiter-drops> <dropped-sflow-samples> <sent-datagrams> <dropped-datagrams>]

Syntax Description

show	Show running system information
sflow	Display sFlow global configuration
statistics	Display sFlow statistics
__readonly__	(Optional) Read only
total-packets	(Optional) Total Packets
total-samples	(Optional) Total Samples
processed-samples	(Optional) Processed Samples
dropped-samples	(Optional) Dropped Samples
rate-limiter-drops	(Optional) Rate-Limiter Drops
dropped-sflow-samples	(Optional) Dropped sflow Samples
sent-datagrams	(Optional) Sent Datagrams
dropped-datagrams	(Optional) Dropped Datagrams

Command Mode

- /exec

show smart-channel

show smart-channel <svc-name> [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> <lb_scheme> [<interface>] <state> <buckets> [<reason>] <vrf_name> <userACL> [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]

Syntax Description

show	Show running system information
smart-channel	smart channel
svc-name	smart channel name
brief	(Optional) brief
__readonly__	(Optional) Read Only
is_firstentry	(Optional)
is_detail	(Optional)
is_active	(Optional)
is_firstentry_routemap	(Optional)
is_firstentry_acl	(Optional)
is_lastentry	(Optional)
is_firstentry_standby	(Optional)
TABLE_summary	(Optional)
service_name	(Optional) service_name
lb_scheme	(Optional) lb scheme
interface	(Optional) interface
state	(Optional) state
buckets	(Optional) buckets

reason	(Optional) inactive reason
vrf_name	(Optional) VRF-Name
userACL	(Optional) user access-list
TABLE_device	(Optional)
device_grp	(Optional) service device group
dg_probe	(Optional) probe type
dg_probe_port	(Optional) probe port
TABLE_route_map	(Optional)
route_map	(Optional) service route map
interface	(Optional) interface
r_status	(Optional) route map status
int_track_id	(Optional) interface track id
TABLE_vip	(Optional)
vip_ip	(Optional) vip ip
vip_probe	(Optional) vip protocol
vip_port	(Optional) vip port
TABLE_vip_node	(Optional)
vip_node	(Optional) service node ip
vip_nodev6	(Optional) service node IPv6
vip_config	(Optional) node config
vip_weight	(Optional) node weight
vip_status	(Optional) node status
vip_node_probe	(Optional) node probe type
vip_node_probe_port	(Optional) node probe port
vip_node_probe_ip	(Optional) node probe ip
vip_track_id	(Optional) node track id
vip_ip_sla_id	(Optional) node ip sla id
TABLE_vip_standby	(Optional)
vip_standby_ip	(Optional) standby node ip

vip_standby_ipv6	(Optional) standby node ipv6
vip_standby_config	(Optional) standby node config
vip_standby_weight	(Optional) standby node weight
vip_standby_status	(Optional) standby node status
vip_standby_probe	(Optional) standby node probe type
vip_standby_probe_port	(Optional) standby node probe port
vip_standby_probe_ip	(Optional) standby node probe ip
vip_standby_track_id	(Optional) standby node track id
vip_standby_sla_id	(Optional) standby node sla id
TABLE_vip_acl	(Optional)
vip_access_list	(Optional) access list
TABLE_node	(Optional)
node	(Optional) service node ip
nodev6	(Optional) service node IPv6
config	(Optional) node config
weight	(Optional) node weight
status	(Optional) node status
node_probe	(Optional) node probe type
node_probe_port	(Optional) node probe port
node_probe_ip	(Optional) node probe ip
track_id	(Optional) node track id
ip_sla_id	(Optional) node ip sla id
TABLE_standby	(Optional)
standby_ip	(Optional) standby node ip
standby_ipv6	(Optional) standby node ipv6
standby_config	(Optional) standby node config
standby_weight	(Optional) standby node weight
standby_status	(Optional) standby node status
standby_probe	(Optional) standby node probe type

standby_probe_port	(Optional) standby node probe port
standby_probe_ip	(Optional) standby node probe ip
standby_track_id	(Optional) standby node track id
standby_sla_id	(Optional) standby node sla id
TABLE_acl	(Optional)
access_list	(Optional) access list

Command Mode

- /exec

show snapshots

show snapshots [__readonly__ TABLE_snapshot <snap_name> <snap_ctime> <description>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
__readonly__	(Optional)
TABLE_snapshot	(Optional)
snap_name	(Optional) snapshot name
snap_ctime	(Optional) snapshot create time
description	(Optional) snapshot description

Command Mode

- /exec

show snapshots compare

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> [__readonly__ TABLE_feature <feat_name> [<feat_state1> <feat_state2>] [TABLE_element <elemkey1> <elemval1> [<elemkey2> <elemval2>] [<elemkey3> <elemval3>] [<elemkey4> <elemval4>] [<elemstate1> <elemstate2>] [TABLE_value <tag> <val1> <val2>] [TABLE_subrow <subrowkey> <subrowval> [<substate1> <substate2>] [TABLE_subvalue <tag> <val1> <val2>]]]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Compare two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
__readonly__	(Optional)
TABLE_feature	(Optional)
feat_name	(Optional) feature name
feat_state1	(Optional) feature state in snapshot1
feat_state2	(Optional) feature state in snapehot2
TABLE_element	(Optional)
elemkey1	(Optional) element key1
elemval1	(Optional) element value1
elemkey2	(Optional) element key2
elemval2	(Optional) element value2
elemkey3	(Optional) element key3
elemval3	(Optional) element value3
elemkey4	(Optional) element key4
elemval4	(Optional) element value4
elemstate1	(Optional) element state in snapshot 1
elemstate2	(Optional) element state in snapshot 2
TABLE_value	(Optional)
tag	(Optional) element tag

val1	(Optional) element value for tag in snapshot1
val2	(Optional) element value for tag in snapshot2
TABLE_subrow	(Optional)
subrowkey	(Optional) subrow key
subrowval	(Optional) subrow value
substate1	(Optional) subrow state in snapshot 1
substate2	(Optional) subrow state in snapshot 2
TABLE_subvalue	(Optional)
tag	(Optional) subrow tag
val1	(Optional) subrow value for tag in snapshot1
val2	(Optional) subrow value for tag in snapshot2

Command Mode

- /exec

show snapshots compare ipv4routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv4routes [__readonly__ TABLE_summary <item_desc> <summary_val1> <summary_val2> [<changed>] [TABLE_prefix <prefix> <missing_snapshot>]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Comapre two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
ipv4routes	Compare ipv4 route information
__readonly__	(Optional)
TABLE_summary	(Optional)
item_desc	(Optional) item description
summary_val1	(Optional) summary value in snapshot1
summary_val2	(Optional) summary value in snapehot2
changed	(Optional) changed flag
TABLE_prefix	(Optional)
prefix	(Optional) route prefix
missing_snapshot	(Optional) missing in snapshot name

Command Mode

- /exec

show snapshots compare ipv6routes

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> ipv6routes [__readonly__ TABLE_summary <item_desc> <summary_val1> <summary_val2> [<changed>] [TABLE_prefix <prefix> <missing_snapshot>]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Comapre two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
ipv6routes	Compare ipv6 route information
__readonly__	(Optional)
TABLE_summary	(Optional)
item_desc	(Optional) item description
summary_val1	(Optional) summary value in snapshot1
summary_val2	(Optional) summary value in snapehot2
changed	(Optional) changed flag
TABLE_prefix	(Optional)
prefix	(Optional) route prefix
missing_snapshot	(Optional) missing in snapshot name

Command Mode

- /exec

show snapshots compare summary

show snapshots compare <snapshot-name-T1> <snapshot-name-T2> summary [__readonly__ TABLE_summary <item_desc> <summary_val1> <summary_val2> [<changed>]]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
compare	Comapre two snapshots
snapshot-name-T1	Name of a snapshot taken at interval T1
snapshot-name-T2	Name of a snapshot taken at interval T2
summary	Compare summary information
__readonly__	(Optional)
TABLE_summary	(Optional)
item_desc	(Optional) item description
summary_val1	(Optional) summary value in snapshot1
summary_val2	(Optional) summary value in snapehot2
changed	(Optional) changed flag

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name> <section-name> [__readonly__ TABLE_snapshot <file_name> <snap_name>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
snapshot-name	Name of a snapshot
section-name	Name of snapshot section
__readonly__	(Optional)
TABLE_snapshot	(Optional)
file_name	(Optional) snapshot XML file name
snap_name	(Optional) snapshot name

Command Mode

- /exec

show snapshots dump

show snapshots dump <snapshot-name> [__readonly__ TABLE_snapshot <file_name> <snap_name>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
dump	Dump contents of snapshot
snapshot-name	Name of a snapshot
__readonly__	(Optional)
TABLE_snapshot	(Optional)
file_name	(Optional) snapshot XML file name
snap_name	(Optional) snapshot name

Command Mode

- /exec

show snapshots sections

show snapshots sections [__readonly__ TABLE_snapsection <sectname> <sectcmd> <sectrow> <sectkey1> <sectkey2>]

Syntax Description

show	Show running system information
snapshots	Snapshots present on the switch
sections	User-specified snapshot sections
__readonly__	(Optional)
TABLE_snapsection	(Optional)
sectname	(Optional) snapshot section name
sectcmd	(Optional) snapshot section show command
sectrow	(Optional) snapshot section row id
sectkey1	(Optional) snapshot section key1
sectkey2	(Optional) snapshot section key2

Command Mode

- /exec

show snmp-dhcp-relay drop statistics

show snmp-dhcp-relay drop statistics [interface <intf> | ifindex <intf-in>] [__readonly__ { TABLE-cdrDropStatsTable <intf-out> <relay_disable> <invalid_msg_type> <intf_err> <tx_sock_err> <tx_fail_client_intf> <unknown_op_intf> <l3_unknown_op_intf> <max_hops> <opt82_fail> <malformed> <untrusted_relay_intf> <mct_drop> }]

Syntax Description

show	Show running system information
snmp-dhcp-relay	DHCP Relay
drop	Statistics related to DHCP drop statistics
statistics	Statistics related to DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) interface index value
__readonly__	(Optional) Read only
TABLE-cdrDropStatsTable	(Optional)
intf-in	(Optional) Interface Index
intf-out	(Optional) Table index
relay_disable	(Optional) relay was disabled
invalid_msg_type	(Optional) invalid message type
intf_err	(Optional) interface error
tx_sock_err	(Optional) failed to send at server
tx_fail_client_intf	(Optional) failed to send to client
unknown_op_intf	(Optional) unknown output interface
l3_unknown_op_intf	(Optional) unknown vrf or interface
max_hops	(Optional) max hops exceeded
opt82_fail	(Optional) Option82 validation failed
malformed	(Optional) malformed pkts
untrusted_relay_intf	(Optional) untrusted inteface
mct_drop	(Optional) dropped on MCT

Command Mode

- /exec

show snmp-dhcp-relay statistics pkt

show snmp-dhcp-relay statistics { [interface <intf> | ifindex <intf-in>] pkt-type <type-in> } [__readonly__ { TABLE-cdrStatsTable <intf-out> <type-out> <rx_pkts> <tx_pkts> <drops> }]

Syntax Description

show	Show running system information
snmp-dhcp-relay	DHCP Relay
statistics	Statistics related to DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) Interface Index Value
pkt-type	DHCP Packet type
__readonly__	(Optional) Read only
TABLE-cdrStatsTable	(Optional)
intf-in	(Optional) table index - ifindex
intf-out	(Optional) table index
type-in	table index - packet type
type-out	(Optional) table index
rx_pkts	(Optional) received pkt count
tx_pkts	(Optional) transmitted pkt count
drops	(Optional) dropped pkt count

Command Mode

- /exec

show snmp-ipv6-dhcp-relay drop statistics

show snmp-ipv6-dhcp-relay drop statistics [interface <intf> | ifindex <intf-in>] [__readonly__ { TABLE-cdrIpv6DropStatsTable <intf-out> <relay_disabled> <max_hops> <invalid_pkt> <unknown_op_intf> <invalid_vrf> <opt_insert_failed> <dir_reply_frm_server> <ipv6_not_configured> <intf_err> <vpn_option_disabled> <ipv6_ext_hdr_present> <mct_drop> }]

Syntax Description

show	Show running system information
snmp-ipv6-dhcp-relay	IPv6 DHCP Relay
drop	Statistics related to IPv6 DHCP drop statistics
statistics	Statistics related to IPv6 DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) interface index value
__readonly__	(Optional) Read only
TABLE-cdrIpv6DropStatsTable	(Optional)
intf-in	(Optional) Interface Index
intf-out	(Optional) Table index
relay_disabled	(Optional) DHCPv6 Relay is disabled
max_hops	(Optional) Max hops exceeded
invalid_pkt	(Optional) Packet validation failed
unknown_op_intf	(Optional) Unknown output interface
invalid_vrf	(Optional) Invalid VRF
opt_insert_failed	(Optional) Option Insertion Failed
dir_reply_frm_server	(Optional) Direct Replies (Recnfg/Adv/Reply) from server
ipv6_not_configured	(Optional) IPv6 addr not configured
intf_err	(Optional) Interface error
vpn_option_disabled	(Optional) VPN Option Disabled
ipv6_ext_hdr_present	(Optional) IPv6 extn headers present
mct_drop	(Optional) DHCP request dropped on MCT

Command Mode

- /exec

show snmp-ipv6-dhcp-relay statistics pkt

show snmp-ipv6-dhcp-relay statistics { [interface <intf> | ifindex <intf-in>] pkt-type <type-in> } [__readonly__ { TABLE-cdrIpv6StatsTable <intf-out> <type-out> <rx_pkts> <tx_pkts> <drops> }]

Syntax Description

show	Show running system information
snmp-ipv6-dhcp-relay	IPv6 DHCP Relay
statistics	Statistics related to IPv6 DHCP
interface	(Optional) input interface
intf	(Optional) interface
ifindex	(Optional) Interface Index Value
pkt-type	DHCP Packet type
__readonly__	(Optional) Read only
TABLE-cdrIpv6StatsTable	(Optional)
intf-in	(Optional) table index - ifindex
intf-out	(Optional) table index
type-in	table index - packet type
type-out	(Optional) table index
rx_pkts	(Optional) received pkt count
tx_pkts	(Optional) transmitted pkt count
drops	(Optional) dropped pkt count

Command Mode

- /exec

show snmp

show snmp [__readonly__ <sys_contact> <sys_location> <snmp_input_packets> <bad_snmp_version> <unknown_community_name> <illegal_community_name> <encoding_Err> <req_var_nums> <alt_var_nums> <get_req_in> <getnext_req_in> <set_req_in> <noname_pdu_in> <badval_pdu_in> <ro_pdu_in> <genral_err_in> <get_resp_in> <unknown_ctx> <snmp_output_packets> <trap_pdu> <toobig_err> <noname_pdu_out> <badval_pdu_out> <genral_err_out> <get_req_out> <getnext_req_out> <set_req_out> <get_resp_out> <silent_drops> [<max_pkt_size>] [{ TABLE_snmp_community <community_name> <grouporaccess> <context> <aclfilter> }] [{ TABLE_snmp_users <user> <auth> <priv> [{ TABLE_groups <group> }] [<acl_filter>] [<engineID>] }] <tcp_auth_status> [<port_mon_status> [<policy_name> <pol_admin_status> <plo_oper_status> <pol_port_type> [TABLE_policies <counter> <threshold> <interval> <rising_threshold> <rising_event> <falling_threshold> <falling_event> <pmon_config>]]] [<protocol_status>] [{ TABLE_snmp_contexts <context_name> <proto_instanceid> <vrf> <topology> [<vlan> | <MST>] }]]

Syntax Description

show	Show running system information
snmp	show snmp information
__readonly__	(Optional) Read Only
TABLE_snmp_community	(Optional) Table that displays the community information
TABLE_snmp_users	(Optional) Table that displays the user information
TABLE_groups	(Optional) Table that displays the group information
TABLE_policies	(Optional) Table that displays the policy information
TABLE_snmp_contexts	(Optional) Table that displays the context information
sys_contact	(Optional) System Contact
sys_location	(Optional) System Location
snmp_input_packets	(Optional) SNMP input packets
bad_snmp_version	(Optional) bad snmp version in Input SNMP packets
unknown_community_name	(Optional) unknown community name in Input SNMP packets
illegal_community_name	(Optional) Illegal community name in Input SNMP packets
encoding_Err	(Optional) Encoding Errors in Input SNMP packets
req_var_nums	(Optional) number of requested variables
alt_var_nums	(Optional) number of altered variable
get_req_in	(Optional) GET request in Input SNMP packets
getnext_req_in	(Optional) GET-NEXT request in Input SNMP packets

set_req_in	(Optional) SET request in Input SNMP packets
noname_pdu_in	(Optional) NONAME PDU in Input SNMP packets
badval_pdu_in	(Optional) Bad value PDU in Input SNMP packets
ro_pdu_in	(Optional) Read only PDU in Input SNMP packets
genral_err_in	(Optional) Genral Error in Input SNMP packets
get_resp_in	(Optional) Get Response PDU in Input SNMP packets
unknown_ctx	(Optional) Unknown context Name in Input SNMP packets
snmp_output_packets	(Optional) SNMP Output Packets
trap_pdu	(Optional) Trap PDU in Output SNMP Packets
toobig_err	(Optional) Too Big errors in Output SNMP Packets
noname_pdu_out	(Optional)
badval_pdu_out	(Optional) NoName PDU in Output SNMP Packets
genral_err_out	(Optional) Genral Error in Output SNMP Packets
get_req_out	(Optional) GET request in Output SNMP Packets
getnext_req_out	(Optional) GET-NEXTrequest in Output SNMP Packets
set_req_out	(Optional) SET request in Output SNMP packets
get_resp_out	(Optional) Get Response PDU in Output SNMP Packets
silent_drops	(Optional) Silent Drop packets
max_pkt_size	(Optional) Maximum packet size
community_name	(Optional) community name
grouporaccess	(Optional) Group name
context	(Optional) contaxt Name
aclfilter	(Optional) Acl filter name
user	(Optional) User name
auth	(Optional) Auth type
priv	(Optional) Priv Type
group	(Optional) Group name
acl_filter	(Optional) acl filter
engineID	(Optional) engine id for the user

tcp_auth_status	(Optional) TCP authentication status
port_mon_status	(Optional) Port monitor status
policy_name	(Optional) policy name
pol_admin_status	(Optional) Policy Admin status
plo_oper_status	(Optional) Police oper status
pol_port_type	(Optional) policy port type
counter	(Optional) counters
threshold	(Optional) Threshold
interval	(Optional) Interval
rising_threshold	(Optional) Rising threshold
rising_event	(Optional) Rising Event
falling_threshold	(Optional) Falling threshold
falling_event	(Optional) Falling Event
pmon_config	(Optional) PMON configured
protocol_status	(Optional) Protocol Enable status
context_name	(Optional) context name
proto_instanceid	(Optional) Protocol instance ID
vrf	(Optional) VRF Name
topology	(Optional) Topology
vlan	(Optional) VLAN name
MST	(Optional) MST name

Command Mode

- /exec

show snmp community

show snmp community [__readonly__ { TABLE_snmp_community <community_name> <grouporaccess> <context> <aclfilter> }]

Syntax Description

show	Show running system information
snmp	show snmp information
community	show snmp community strings
__readonly__	(Optional) Read Only
TABLE_snmp_community	(Optional) contains all snmp community names
community_name	(Optional) community name
grouporaccess	(Optional) group or access name
context	(Optional) context name
aclfilter	(Optional) acl filter name

Command Mode

- /exec

show snmp context

show snmp context [__readonly__ { TABLE_snmp_contexts <context_name> <proto_instanceid> <vrf> <topology> [<vlan> | <MST>] }]

Syntax Description

show	Show running system information
snmp	show snmp information
context	show snmp context mapping entries
__readonly__	(Optional)
TABLE_snmp_contexts	(Optional) All SNMP Contexts Entries
context_name	(Optional) SNMP context Name
proto_instanceid	(Optional) Name of the protocol instance
vrf	(Optional) VRF name
topology	(Optional) Name of the Topology
vlan	(Optional) VLAN Name
MST	(Optional)

Command Mode

- /exec

show snmp engineID

show snmp engineID [__readonly__ <engineIDHex> <engineIDDec>]

Syntax Description

show	Show running system information
snmp	show snmp information
engineID	show snmp engineID
__readonly__	(Optional)
engineIDHex	(Optional) SNMP engineID in HEX
engineIDDec	(Optional) SNMP engineID in Decimal

Command Mode

- /exec

show snmp group

show snmp group [__readonly__ { TABLE_role <role_name> <role_description> [<attribute_scope>] [<permit_vsan>] [<permit_vlan>] [<permit_vlan_id>] [<permit_interface>] [<permit_interface_slot>] [<permit_vrf>] [TABLE_vrf<permit_vrf_name>] [{ TABLE_rule [<rule_num>] [<rule_action>] { <rule_permission> | <rule_permission_mds> } [<rule_featuretype>] [<rule_entity>] }] }]

Syntax Description

show	Show running system information
snmp	show snmp information
group	show snmp group
__readonly__	(Optional) Read Only
TABLE_role	(Optional) Table displays role
role_name	(Optional) Role Name
role_description	(Optional) Role Description
attribute_scope	(Optional) Role scope
permit_vsan	(Optional) permitted vsan
permit_vlan	(Optional)
permit_vlan_id	(Optional)
permit_interface	(Optional)
permit_interface_slot	(Optional)
permit_vrf	(Optional)
TABLE_rule	(Optional)
rule_num	(Optional)
rule_action	(Optional)
rule_permission	(Optional)
rule_permission_mds	(Optional)
rule_featuretype	(Optional)
rule_entity	(Optional)

Command Mode

- /exec

show snmp host

show snmp host [__readonly__ { TABLE_host <host><port><version><level><type><secname> [[<vrf>] [TABLE_vrf_filters <vrf_filter>] [<src_intf>]] }]

Syntax Description

show	Show running system information
snmp	show snmp information
host	show snmp hosts
__readonly__	(Optional) Read Only
TABLE_host	(Optional) displays the list of hosts configured for snmp requests
TABLE_vrf_filters	(Optional) displays the host vrf filters
vrf	(Optional) VRF Name
vrf_filter	(Optional) vrf filters
src_intf	(Optional) source interface

Command Mode

- /exec

show snmp mib igmpCacheTable

show snmp mib igmpCacheTable [<igmpCacheAddress-in>] [<igmpCacheIfIndex-in>] [__readonly__ TABLE_igmpCacheTable <igmpCacheAddress-out> <igmpCacheIfIndex-out> <igmpCacheSelf> <igmpCacheLastReporter> <igmpCacheUpTime> <igmpCacheExpiryTime> <igmpCacheStatus> <igmpCacheVersion1HostTimer>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
igmpCacheTable	show mib table igmpCacheTable
igmpCacheAddress-in	(Optional) igmpCacheAddress
igmpCacheIfIndex-in	(Optional) igmpCacheIfIndex
__readonly__	(Optional)
TABLE_igmpCacheTable	(Optional)
igmpCacheAddress-out	(Optional) mib table index igmpCacheAddress
igmpCacheIfIndex-out	(Optional) mib table index igmpCacheIfIndex
igmpCacheSelf	(Optional) mib object igmpCacheSelf
igmpCacheLastReporter	(Optional) mib object igmpCacheLastReporter
igmpCacheUpTime	(Optional) mib object igmpCacheUpTime
igmpCacheExpiryTime	(Optional) mib object igmpCacheExpiryTime
igmpCacheStatus	(Optional) mib object igmpCacheStatus
igmpCacheVersion1HostTimer	(Optional) mib object igmpCacheVersion1HostTimer

Command Mode

- /exec

show snmp mib igmpInterfaceTable

show snmp mib igmpInterfaceTable [<igmpInterfaceIfIndex-in>] [__readonly__ TABLE_igmpInterfaceTable <igmpInterfaceIfIndex-out> <igmpInterfaceQueryInterval> <igmpInterfaceStatus> <igmpInterfaceVersion> <igmpInterfaceQuerier> <igmpInterfaceQueryMaxResponseTime> <igmpInterfaceQuerierUpTime> <igmpInterfaceQuerierExpiryTime> <igmpInterfaceVersion1QuerierTimer> <igmpInterfaceWrongVersionQueries> <igmpInterfaceJoins> <igmpInterfaceProxyIfIndex> <igmpInterfaceGroups> <igmpInterfaceRobustness> <igmpInterfaceLastMembQueryIntvl>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
igmpInterfaceTable	show mib table igmpInterfaceTable
igmpInterfaceIfIndex-in	(Optional) igmpInterfaceIndex
__readonly__	(Optional)
TABLE_igmpInterfaceTable	(Optional)
igmpInterfaceIfIndex-out	(Optional) mib table index igmpInterfaceIfIndex
igmpInterfaceQueryInterval	(Optional) mib object igmpInterfaceQueryInterval
igmpInterfaceStatus	(Optional) mib object igmpInterfaceStatus
igmpInterfaceVersion	(Optional) mib object igmpInterfaceVersion
igmpInterfaceQuerier	(Optional) mib object igmpInterfaceQuerier
igmpInterfaceQueryMaxResponseTime	(Optional) mib object igmpInterfaceQueryMaxResponseTime
igmpInterfaceQuerierUpTime	(Optional) mib object igmpInterfaceQuerierUpTime
igmpInterfaceQuerierExpiryTime	(Optional) mib object igmpInterfaceQuerierExpiryTime
igmpInterfaceVersion1QuerierTimer	(Optional) mib object igmpInterfaceVersion1QuerierTimer
igmpInterfaceWrongVersionQueries	(Optional) mib object igmpInterfaceWrongVersionQueries
igmpInterfaceJoins	(Optional) mib object igmpInterfaceJoins
igmpInterfaceProxyIfIndex	(Optional) mib object igmpInterfaceProxyIfIndex
igmpInterfaceGroups	(Optional) mib object igmpInterfaceGroups
igmpInterfaceRobustness	(Optional) mib object igmpInterfaceRobustness
igmpInterfaceLastMembQueryIntvl	(Optional) mib object igmpInterfaceLastMembQueryIntvl

Command Mode

- /exec

show snmp mib pimCandidateRPTable

show snmp mib pimCandidateRPTable [<pimCandidateRPGroupAddress-in>] [<pimCandidateRPGroupMask-in>] [__readonly__ TABLE_pimCandidateRPTable <pimCandidateRPGroupAddress-out> <pimCandidateRPGroupMask-out> <pimCandidateRPAddress> <pimCandidateRPRowStatus>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimCandidateRPTable	show mib table pimCandidateRPTable
pimCandidateRPGroupAddress-in	(Optional) pimCandidateRPGroupAddress
pimCandidateRPGroupMask-in	(Optional) pimCandidateRPGroupMask
__readonly__	(Optional)
TABLE_pimCandidateRPTable	(Optional)
pimCandidateRPGroupAddress-out	(Optional) mib table index pimCandidateRPGroupAddress
pimCandidateRPGroupMask-out	(Optional) mib table index pimCandidateRPGroupMask
pimCandidateRPAddress	(Optional) mib object pimCandidateRPAddress
pimCandidateRPRowStatus	(Optional) mib object pimCandidateRPRowStatus

Command Mode

- /exec

show snmp mib pimComponentTable

show snmp mib pimComponentTable [<pimComponentIndex-in>] [__readonly__ TABLE_pimComponentTable <pimComponentIndex-out> <pimComponentBSRAddress> <pimComponentBSRExpiryTime> <pimComponentCRPHoldTime> <pimComponentStatus>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimComponentTable	show mib table pimComponentTable
pimComponentIndex-in	(Optional) pimComponentIndex
__readonly__	(Optional)
TABLE_pimComponentTable	(Optional)
pimComponentIndex-out	(Optional) mib table index pimComponentIndex
pimComponentBSRAddress	(Optional) mib object pimComponentBSRAddress
pimComponentBSRExpiryTime	(Optional) mib object pimComponentBSRExpiryTime
pimComponentCRPHoldTime	(Optional) mib object pimComponentCRPHoldTime
pimComponentStatus	(Optional) mib object pimComponentStatus

Command Mode

- /exec

show snmp mib pimInterfaceTable

show snmp mib pimInterfaceTable [<pimInterfaceIfIndex-in>] [__readonly__ TABLE_pimInterfaceTable <pimInterfaceIfIndex-out> <pimInterfaceAddress> <pimInterfaceNetMask> <pimInterfaceMode> <pimInterfaceDR> <pimInterfaceHelloInterval> <pimInterfaceStatus> <pimInterfaceJoinPruneInterval> <pimInterfaceCBSRPreference>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimInterfaceTable	show mib table pimInterfaceTable
pimInterfaceIfIndex-in	(Optional) pimInterfaceIndex
__readonly__	(Optional)
TABLE_pimInterfaceTable	(Optional)
pimInterfaceIfIndex-out	(Optional) mib table index pimInterfaceIfIndex
pimInterfaceAddress	(Optional) mib object pimInterfaceAddress
pimInterfaceNetMask	(Optional) mib object pimInterfaceNetMask
pimInterfaceMode	(Optional) mib object pimInterfaceMode
pimInterfaceDR	(Optional) mib object pimInterfaceDR
pimInterfaceHelloInterval	(Optional) mib object pimInterfaceHelloInterval
pimInterfaceStatus	(Optional) mib object pimInterfaceStatus
pimInterfaceJoinPruneInterval	(Optional) mib object pimInterfaceJoinPruneInterval
pimInterfaceCBSRPreference	(Optional) mib object pimInterfaceCBSRPreference

Command Mode

- /exec

show snmp mib pimIpMRouteNextHopTable

show snmp mib pimIpMRouteNextHopTable [<ipMRouteNextHopGroup-in> <ipMRouteNextHopSource-in> <ipMRouteNextHopSourceMask-in> <ipMRouteNextHopIfIndex-in> <ipMRouteNextHopAddress-in>] [__readonly__ TABLE_pimIpMRouteNextHopTable <ipMRouteNextHopGroup-out> <ipMRouteNextHopSource-out> <ipMRouteNextHopSourceMask-out> <ipMRouteNextHopIfIndex-out> <ipMRouteNextHopAddress-out> <pimIpMRouteNextHopPruneReason>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimIpMRouteNextHopTable	show mib table pimIpMRouteNextHopTable
ipMRouteNextHopGroup-in	(Optional) ipMRouteNextHopGroup
ipMRouteNextHopSource-in	(Optional) ipMRouteNextHopSource
ipMRouteNextHopSourceMask-in	(Optional) ipMRouteNextHopSourceMask
ipMRouteNextHopIfIndex-in	(Optional) ipMRouteNextHopIfIndex
ipMRouteNextHopAddress-in	(Optional) ipMRouteNextHopAddress
__readonly__	(Optional)
TABLE_pimIpMRouteNextHopTable	(Optional)
ipMRouteNextHopGroup-out	(Optional) mib table index ipMRouteNextHopGroup
ipMRouteNextHopSource-out	(Optional) mib table index pimComponentBSRAddress
ipMRouteNextHopSourceMask-out	(Optional) mib table index pimComponentBSRExpiryTime
ipMRouteNextHopIfIndex-out	(Optional) mib table index pimComponentCRPHoldTime
ipMRouteNextHopAddress-out	(Optional) mib table index pimComponentStatus
pimIpMRouteNextHopPruneReason	(Optional) mib object pimIpMRouteNextHopPruneReason

Command Mode

- /exec

show snmp mib pimIpMRouteTable

show snmp mib pimIpMRouteTable [<ipMRouteGroup-in>] [<ipMRouteSource-in>] [<ipMRouteSourceMask-in>] [__readonly__ TABLE_pimIpMRouteTable <ipMRouteGroup-out> <ipMRouteSource-out> <ipMRouteSourceMask-out> <pimIpMRouteUpstreamAssertTimer> <pimIpMRouteAssertMetric> <pimIpMRouteAssertMetricPref> <pimIpMRouteAssertRPTBit> <pimIpMRouteFlags>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimIpMRouteTable	show mib table pimIpMRouteTable
ipMRouteGroup-in	(Optional) ipMRouteGroup
ipMRouteSource-in	(Optional) ipMRouteSource
ipMRouteSourceMask-in	(Optional) ipMRouteSourceMask
__readonly__	(Optional)
TABLE_pimIpMRouteTable	(Optional)
ipMRouteGroup-out	(Optional) mib table index ipMRouteGroup-out
ipMRouteSource-out	(Optional) mib table index ipMRouteSource-out
ipMRouteSourceMask-out	(Optional) mib table index ipMRouteSourceMask-out
pimIpMRouteUpstreamAssertTimer	(Optional) mib object pimIpMRouteUpstreamAssertTimer
pimIpMRouteAssertMetric	(Optional) mib object pimIpMRouteAssertMetric
pimIpMRouteAssertMetricPref	(Optional) mib object pimIpMRouteAssertMetricPref
pimIpMRouteAssertRPTBit	(Optional) mib object pimIpMRouteAssertRPTBit
pimIpMRouteFlags	(Optional) mib object pimIpMRouteFlags

Command Mode

- /exec

show snmp mib pimJoinPruneInterval

show snmp mib pimJoinPruneInterval [__readonly__ <pimJoinPruneInterval>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimJoinPruneInterval	show mib scalar pimJoinPruneInterval
__readonly__	(Optional) Read Only
pimJoinPruneInterval	(Optional) mib object pimJoinPruneInterval

Command Mode

- /exec

show snmp mib pimNeighborTable

show snmp mib pimNeighborTable [<pimNeighborAddress-in>] [__readonly__ TABLE_pimNeighborTable <pimNeighborAddress-out> <pimNeighborIfIndex> <pimNeighborUpTime> <pimNeighborExpiryTime>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimNeighborTable	show mib table pimNeighborTable
pimNeighborAddress-in	(Optional) pimNeighborAddress
__readonly__	(Optional)
TABLE_pimNeighborTable	(Optional)
pimNeighborAddress-out	(Optional) mib table index pimNeighborAddress
pimNeighborIfIndex	(Optional) mib object pimNeighborIfIndex
pimNeighborUpTime	(Optional) mib object pimNeighborUpTime
pimNeighborExpiryTime	(Optional) mib object pimNeighborExpiryTime

Command Mode

- /exec

show snmp mib pimRPSetTable

show snmp mib pimRPSetTable [<pimRPSetComponent-in>] [<pimRPSetGroupAddress-in>] [<pimRPSetGroupMask-in>] [<pimRPSetAddress-in>] [__readonly__ TABLE_pimRPSetTable <pimRPSetGroupAddress-out> <pimRPSetGroupMask-out> <pimRPSetAddress-out> <pimRPSetHoldTime> <pimRPSetExpiryTime> <pimRPSetComponent-out>]

Syntax Description

show	Show running system information
snmp	show snmp
mib	show mib tables
pimRPSetTable	show mib table pimRPSetTable
pimRPSetComponent-in	(Optional) pimRPSetComponent
pimRPSetGroupAddress-in	(Optional) pimRPSetGroupAddress
pimRPSetGroupMask-in	(Optional) pimRPSetGroupMask
pimRPSetAddress-in	(Optional) pimRPSetAddress
__readonly__	(Optional)
TABLE_pimRPSetTable	(Optional)
pimRPSetGroupAddress-out	(Optional) mib table index pimRPSetGroupAddress
pimRPSetGroupMask-out	(Optional) mib table index pimRPSetGroupMask
pimRPSetAddress-out	(Optional) mib table index pimRPSetAddress
pimRPSetHoldTime	(Optional) mib object pimRPSetHoldTime
pimRPSetExpiryTime	(Optional) mib object pimRPSetExpiryTime
pimRPSetComponent-out	(Optional) mib table index pimRPSetComponent

Command Mode

- /exec

show snmp nms-statistics

show snmp nms-statistics [__readonly__ <header> [<nms_stats>]]

Syntax Description

show	Show running system information
snmp	Show snmp information
nms-statistics	Show SNMP NMS statistics
__readonly__	(Optional) Read Only
header	(Optional) NMS Statistics header
nms_stats	(Optional) NMS Statistics

Command Mode

- /exec

show snmp oid-statistics

show snmp oid-statistics [last-access] [__readonly__ <header> { TABLE_snmp_gen <oid_stats> | TABLE_snmp_la <oid_last_access_stats> }]

Syntax Description

show	Show running system information
snmp	Show snmp information
oid-statistics	Show SNMP oid statistics
last-access	(Optional) Show SNMP oid statistics of last-access
__readonly__	(Optional) Read Only
header	(Optional) OID Statistics header
TABLE_snmp_gen	(Optional) contains all snmp oid statistics
oid_stats	(Optional) OID Statistics
TABLE_snmp_la	(Optional) contains all snmp oid last access statistics
oid_last_access_stats	(Optional) OID Last Access Statistics

Command Mode

- /exec

show snmp pss

show snmp pss

Syntax Description

show	Show running system information
snmp	show snmp information
pss	show SNMP pss

Command Mode

- /exec

show snmp roledebug

show snmp roledebug

Syntax Description

show	Show running system information
snmp	show snmp information
roledebug	show SNMP roledebug

Command Mode

- /exec

show snmp sessions

show snmp sessions [__readonly__ { TABLE_session <dest> }]

Syntax Description

show	Show running system information
snmp	show snmp information
sessions	show snmp sessions
__readonly__	(Optional) Read Only
TABLE_session	(Optional) table displays destination
dest	(Optional) destination

Command Mode

- /exec

show snmp snmpv3stats

show snmp snmpv3stats

Syntax Description

show	Show running system information
snmp	show snmp information
snmpv3stats	show SNMP snmpdebug

Command Mode

- /exec

show snmp source-interface

show snmp source-interface [__readonly__ { <trap_srcintf> <informs_srcintf> }]

Syntax Description

show	Show running system information
snmp	show snmp information
source-interface	show source-interface through which notifications are sent
__readonly__	(Optional) Read Only
trap_srcintf	(Optional) Displays the source interface for traps
informs_srcintf	(Optional) Displays the source interface for informs

Command Mode

- /exec

show snmp trap

show snmp trap [__readonly__ { TABLE_snmp_trap <trap_type><description><isEnabled> }]

Syntax Description

show	Show running system information
snmp	show snmp information
trap	show snmp traps
__readonly__	(Optional) Read Only
TABLE_snmp_trap	(Optional) All snmp traps configured

Command Mode

- /exec

show snmp user

show snmp user [<s0> [engineID <s1>]] [__readonly__ [{ TABLE_snmp_users <user> <auth> <priv> [{ TABLE_groups <group> }] [<acl_filter>] [<engineID>] }]]

Syntax Description

show	Show running system information
snmp	show snmp information
user	show SNMPv3 users
s0	(Optional) Name of the user
engineID	(Optional) engineID
s1	(Optional) Target's SNMP engineID(colon separated) for SNMPv3 inform
__readonly__	(Optional) Read Only
TABLE_snmp_users	(Optional) table displays the snmp users
TABLE_groups	(Optional) table displays the gropus for specific user
user	(Optional) user name
auth	(Optional) auth type
priv	(Optional) priv type
group	(Optional) group belongs to
acl_filter	(Optional) acl filter
engineID	(Optional) engineID for specific user

Command Mode

- /exec

show sockets buffers

show sockets buffers [{ [all <count>] [free <count>] }]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
buffers	Display detailed buffer statistics
all	(Optional) Dump buffers from ALL list
free	(Optional) Dump buffers from FREE list
count	(Optional) Number of buffers to dump

Command Mode

- /exec

show sockets client

show sockets client { [pid <pid>] [tcp | udp | raw] [detail] [kstack-ns-all] } [__readonly__ [TABLE_total_clients [<socket-type> <total-clients>] [<no-total-clients>]] [TABLE_cl_sk { <prefix> <client-name> <pid> <No-of-clients> } [<fast-tcp-mts-ctrl-q>] [{ <cancel-requests> <cancel-unblocks> <cancel-misses> <select-drops> <select-wakes> }] [TABLE_det [{ <fd> <client-id> [<mts-sap>] }]] [TABLE_st [<soc-calls>] [<bind-calls>] [<listen-calls>] [<accept-calls>] [<acc-dispat-err>] [<connect-calls>] [<connec-dispatch>] [<recvmsg-dispatch>] [<recv-dis-nblock>] [<recvmsg-call>] [<brecv-dispatch>] [<fsendmsg-calls>] [<sendmsg-dispatch>] [<sendmsg-calls>] [<msendmsg-calls>] [<select-calls>] [<select-dispatch>] [<select-need-work>] [<sh-calls>] [<close-calls>] [<fcntl-calls>] [<ioctl-calls>] [<setsock-calls>] [<getsock-calls>] [<getsockname-calls>] [<getpeer-calls>] [<fork-calls>] [<execve-calls>] [<dup-calls>] [<can-calls>] [<can-miss>] [<can-unblk-sele>] [<soc-ha-calls>] [<pfork-client>] [<read-fd>] [<write-fd>] [<read-fd-set>] [<write-fd-set>] [<fast-tcp-send-req>] [<fast-tcp-send-suc>] [<fast-tcp-ack>]] [TABLE_sterr [<sock-err>] [<sock-nodev-err>] [<bind-err>] [<lis-err>] [<accept-err>] [<connect-err>] [<recvmsg-err>] [<brcvmsg-err>] [<fsendmsg-err>] [<sendmsg-err>] [<msndmsg-err>] [<select-err>] [<sel-nomem-err>] [<shut-err>] [<close-err>] [<fcntl-err>] [<ioctl-err>] [<setsoc-err>] [<getsoc-err>] [<getsocname-err>] [<getpeername-err>] [<fork-err>] [<execve-err>] [<dup-err>] [<psoc-vrf-err>] [<psoc-nosoc-err>] [<psoc-sock-null-err>] [<psoc-socre-err>] [<pbind-nsock-err>] [<pbd-getsocaddr>] [<pbind-sobind-err>] [<plisten-nsoc-err>] [<plis-solis-err>] [<pacc-nsoc-err>] [<pacc-no-nsoc-err>] [<pacc-soc-null-err>] [<pacc-copy-err>] [<pacc-no-acc-err>] [<pacc-woublo-err>] [<pacc-connabo-err>] [<pacc-cond-wait-err>] [<pacc-so-err-err>] [<pacc-err-err>] [<pcon-no-soc-err>] [<pcon-ealready-err>] [<pconn-getsock>] [<pconn-socon-err>] [<pconn-einpro-err>] [<pconn-con-wait-err>] [<psend-no-soc-err>] [<psend-inval-iov>] [<psend-getsoc-err>] [<psend-msg-ctrl-err>] [<psend-sockarg-err>] [<psend-pru-sosend>] [<precv-nosock-err>] [<precv-inval-iovlen>] [<precv-pru-sorecv>] [<precv-cp-msg-err>] [<precv-cp-msg-nlen>] [<precv-cp-data-err>] [<pbrecv-rcvmsg-err>] [<pshut-no-soc-err>] [<psetsoc-val-err>] [<psetsoc-inv-val>] [<psetsoc-no-soc-err>] [<psetsoc-sosetopt>] [<pgetsoc-no-socerr>] [<pgetsoc-cp-err>] [<pgetsoc-val-err>] [<pgetsoc-sogt-err>] [<pgtsoc-no-soc-err>] [<pgtsoc-cp-err>] [<pgtsoc-pru-soc-err>] [<pgtsoc-cpout-err>] [<pgtprne-no-soc-err>] [<pgtprne-enot-err>] [<pgtprne-cp-err>] [<pgtprne-pru-pradd>] [<pgtprne-cpout-err>] [<pclose-no-soc-err>] [<pclose-socnull-err>] [<pclose-p-cls2-err>] [<pfcntl-no-soc-err>] [<pfcntl-soc-null>] [<pfcntl-enotsup>] [<pfcntl-einval-err>] [<pioctl-no-soc-err>] [<pioctl-enotsup>] [<pioctl-pru-cntl>] [<pfork-enomem-err>] [<pdup-no-soc-err>] [<pudp-soc-null-err>] [<ha-nomem-err>] [<ha-tlv-err>] [<ha-soc-arg-err>] [<ha-cli-tlv-err>] [<ha-pss-upd-err>] [<ha-no-soc-err>] [<ha-soc-tlv-err>] [<ha-soc-pss-upd>] [<ha-inpcb-tlv>] [<ha-inpcb-pssky>] [<ha-ip-mopt-tlv>] [<ha-ip-mopt-pss>] [<ha-ip6-mopt-tlv>] [<ha-ip6-mopt-pss>] [<ha-tcpcb-tlv>] [<ha-tcpcb-pss>] [<ft-tcp-wblock>] [<ft-send-p-sndmsg>] [<ft-ack-rcv-no-soc>] [<lxc-tgid-err>]] [TABLE_sp_cl [<can-requests> <can-unblocks> <can-misses> <sel-drops> <sel-wakes>]]]]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
client	Display sockets client information
pid	(Optional) Display specific client process information
pid	(Optional) Display client process <pid>

tcp	(Optional) Display TCP clients
udp	(Optional) Display UDP clients
raw	(Optional) Display RAW clients
detail	(Optional) Display socket details
kstack-ns-all	(Optional) Show kernel clients for all namespaces
__readonly__	(Optional)
TABLE_total_clients	(Optional) Total no of client sockets
socket-type	(Optional) Sockets type
total-clients	(Optional) total clients
no-total-clients	(Optional) number of total clients
TABLE_cl_sk	(Optional) Display Client sockets
prefix	(Optional) Prefix to the sockets
client-name	(Optional) Display socket client info
pid	(Optional) Display client process <pid>
No-of-clients	(Optional) Number of socket clients
fast-tcp-mts-ctrl-q	(Optional) Fast tcp mts control queue
cancel-requests	(Optional) cancel requests
cancel-unblocks	(Optional) cancel unblocks
cancel-misses	(Optional) cancel misses
select-drops	(Optional) select drops
select-wakes	(Optional) select wakes
TABLE_det	(Optional) Display Socket client Details
fd	(Optional) Client socket fd
client-id	(Optional) Client socket id
mts-sap	(Optional) socket mts addr sap
TABLE_st	(Optional) Sock detail Ctrl statistics
soc-calls	(Optional) sockets calls
bind-calls	(Optional) socket bind calls
listen-calls	(Optional) socket listen calls

accept-calls	(Optional) socket accept calls
acc-dispat-err	(Optional) socket accept dispatch error
connect-calls	(Optional) socket connect calls
connec-dispatch	(Optional) socket dispatch calls
recvmsg-dispatch	(Optional) receive msg dispatch
recv-dis-nblock	(Optional) receive dispatch nonblock
recvmsg-call	(Optional) receive message call
brecv-dispatch	(Optional) broadcast receive dispatch
fsendmsg-calls	(Optional) forward send message dispatch
sendmsg-dispatch	(Optional) send message dispatch
sendmsg-calls	(Optional) send message calls
msendmsg-calls	(Optional) multicast send message calls
select-calls	(Optional) select calls
select-dispatch	(Optional) select dispatch
select-need-work	(Optional) select need work
sh-calls	(Optional) show calls
close-calls	(Optional) close calls
fcntl-calls	(Optional) fcntl calls
ioctl-calls	(Optional) ioctl calls
setsock-calls	(Optional) setsock calls
getsock-calls	(Optional) getsock calls
getsockname-calls	(Optional) get socket name calls
getpeer-calls	(Optional) get peer calls
fork-calls	(Optional) fork calls
execve-calls	(Optional) execve calls
dup-calls	(Optional) duplicate calls
can-calls	(Optional) cancel calls
can-miss	(Optional) cancel miss
can-unblk-sele	(Optional) cancel unblock select

soc-ha-calls	(Optional) socket ha calls
pfork-client	(Optional) pfork client
read-fd	(Optional) socket read fd
write-fd	(Optional) socket write fd
read-fd-set	(Optional) socket read fd set
write-fd-set	(Optional) socket write fd set
fast-tcp-send-req	(Optional) socket fast tcp send request
fast-tcp-send-suc	(Optional) socket fast tcp send success
fast-tcp-ack	(Optional) socket fast tcp ack
TABLE_sterr	(Optional) Client Socket Error Statistics
sock-err	(Optional) socket error
sock-nodev-err	(Optional) socket nodev error
bind-err	(Optional) socket bind error
lis-err	(Optional) socket listen error
accept-err	(Optional) socket accept error
connect-err	(Optional) socket connect error
recvmsg-err	(Optional) socket receive message error
brcvmsg-err	(Optional) socket broadcast receive message error
fsendmsg-err	(Optional) socket forward send message error
sendmsg-err	(Optional) socket send message error
msndmsg-err	(Optional) socket multicast send message error
select-err	(Optional) socket select error
sel-nomem-err	(Optional) socket select no member error
shut-err	(Optional) socket shutdown error
close-err	(Optional) socket close error
fcntl-err	(Optional) socket fcntl error
ioctl-err	(Optional) socket ioctl error
setsoc-err	(Optional) set socket error
getsoc-err	(Optional) get socket error

getsocname-err	(Optional) get socket name error
getpeername-err	(Optional) get peer name error
fork-err	(Optional) socket fork error
execve-err	(Optional) socket execve error
dup-err	(Optional) socket duplicate error
psoc-vrf-err	(Optional) psocket vrf error
psoc-nosoc-err	(Optional) psocket nosoc error
psoc-sock-null-err	(Optional) psocket socket null error
psoc-socre-err	(Optional) psocket socre error
pbind-nsock-err	(Optional) pbind nsock error
pbd-getsocaddr	(Optional) pbd getsocaddr
pbind-sobind-err	(Optional) pbind sobind error
plisten-nsoc-err	(Optional) plisten nsoc error
plis-solis-err	(Optional) plisten socket listen error
pacc-nsoc-err	(Optional) paccept new socket error
pacc-no-nsoc-err	(Optional) paccept no new socket error
pacc-soc-null-err	(Optional) paccept socket null error
pacc-copy-err	(Optional) paccept copy error
pacc-no-acc-err	(Optional) paccept no accept error
pacc-woublo-err	(Optional) paccept would block error
pacc-connabo-err	(Optional) paccept connect abort error
pacc-cond-wait-err	(Optional) paccept condition wait error
pacc-so-err-err	(Optional) paccept socket error
pacc-err-err	(Optional) paccept error
pcon-no-soc-err	(Optional) pconnect no socket error
pcon-ealready-err	(Optional) pconnect ready error
pconn-getsock	(Optional) pconnect get socket
pconn-socon-err	(Optional) pconnect socket on error
pconn-einpro-err	(Optional) pconnect einprogress error

pconn-con-wait-err	(Optional) pconnect condition wait error
psend-no-soc-err	(Optional) psend no socket error
psend-inval-iov	(Optional) psend invalidate iov
psend-getsoc-err	(Optional) psend getsocket error
psend-msg-ctrl-err	(Optional) psend message control error
psend-sockarg-err	(Optional) psend socket argument error
psend-pru-sosend	(Optional) psend pru socket send
precv-nosock-err	(Optional) preceive no socket error
precv-inval-iovlen	(Optional) preceive invalidate iovlen
precv-pru-sorecv	(Optional) preceive pru so receive
precv-cp-msg-err	(Optional) preceive copy message error
precv-cp-msg-nlen	(Optional) preceive copy message new length
precv-cp-data-err	(Optional) preceive copy data error
pbrecv-rcvmsg-err	(Optional) preceive receive message error
pshut-no-soc-err	(Optional) pshutdown no socket error
psetsoc-val-err	(Optional) pset socket value error
psetsoc-inv-val	(Optional) pset socket invalidate error
psetsoc-no-soc-err	(Optional) pset socket no socket error
psetsoc-sosetopt	(Optional) pset socket set opt
pgetsoc-no-socerr	(Optional) pget socket no socket error
pgetsoc-cp-err	(Optional) pget socket copy error
pgetsoc-val-err	(Optional) pget socket validate error
pgetsoc-sogt-err	(Optional) pget socket sogt error
pgtsoc-no-soc-err	(Optional) pget socket no socket error
pgtsoc-cp-err	(Optional) pget socket copy error
pgtsoc-pru-soc-err	(Optional) pget socket pru socket error
pgtsoc-cpout-err	(Optional) pget socket copy out error
pgtprne-no-soc-err	(Optional) pget peer name no socket error
pgtprne-enot-err	(Optional) pget peer name enot connect error

pgtprne-cp-err	(Optional) pget peer name copy error
pgtprne-pru-pradd	(Optional) pget peer name pru peer address
pgtprne-cpout-err	(Optional) pget peer name copy out error
pclose-no-soc-err	(Optional) pclose no socket error
pclose-socnull-err	(Optional) pclose socket null error
pclose-p-cls2-err	(Optional) pclose p close2 error
pfcntl-no-soc-err	(Optional) pfcntl no socket error
pfcntl-soc-null	(Optional) pfcntl socket null
pfcntl-enotsup	(Optional) pfcntl enotsupport errors
pfcntl-einval-err	(Optional) pfcntl einvalidate error
pioctl-no-soc-err	(Optional) pioctl no socket error
pioctl-enotsup	(Optional) pioctl enotsup
pioctl-pru-cntl	(Optional) pioctl pru cntl
pfork-enomem-err	(Optional) pfork eno-memory error
pdup-no-soc-err	(Optional) pudp no socket error
pudp-soc-null-err	(Optional) pudp socket null error
ha-nomem-err	(Optional) ha no memory error
ha-tlv-err	(Optional) ha tlv error
ha-soc-arg-err	(Optional) ha socket argument error
ha-cli-tlv-err	(Optional) ha cli tlv error
ha-pss-upd-err	(Optional) ha pss udp error
ha-no-soc-err	(Optional) ha no socket error
ha-soc-tlv-err	(Optional) ha socket tlv error
ha-soc-pss-upd	(Optional) ha socket pss udp
ha-inpcb-tlv	(Optional) ha inpcb tlv value
ha-inpcb-pssky	(Optional) ha inpcb pssky value
ha-ip-mopt-tlv	(Optional) ha ip mopt tlv value
ha-ip-mopt-pss	(Optional) ha ip mopt pss value
ha-ip6-mopt-tlv	(Optional) ha ip6 mopt tlv value

ha-ip6-mopt-pss	(Optional) ha ip6 mopt pss value
ha-tcpcb-tlv	(Optional) ha socket update tcpcb to tlv error
ha-tcpcb-pss	(Optional) ha socket update tcpcb psskey update error
ft-tcp-wblock	(Optional) fast tcp send would block error
ft-send-p-sndmsg	(Optional) fast tcp send p_sendmsg errors
ft-ack-rcv-no-soc	(Optional) fast ack receive no socket
lxc-tgid-err	(Optional) Containers tgid err
TABLE_sp_cl	(Optional) Sock specific Ctrl statistics
can-requests	(Optional) socket control cancel request
can-unblocks	(Optional) socket cancel unblocks
can-misses	(Optional) socket cancel misses
sel-drops	(Optional) select drops
sel-wakes	(Optional) select wakes

Command Mode

- /exec

show sockets connection

show sockets connection [pid <pid> | tcp | udp | raw] [local { <srcIP> | <srcIP6> }] [foreign { <dstIP> | <dstIP6> }] [detail] [keydetails] [__readonly__ [{ TABLE_sockets <protocol> [<total-conn-count>] [{ TABLE_conn <afi> <prot> [<tcp-state>] [<rcv-count>] [<laddr>] [<lport>] [<faddr>] [<fport>] [<intf>] [<vrf-name>] [<snd-count>] [<type>] [<ttl>] [<tos>] [<options>] [<state>] [<iss>] [<snd-una>] [<snd-nxt>] [<snd_wnd>] [<irs>] [<rcv-nxt>] [<rcv-wnd>] [<snd-cwnd>] [<srtt>] [<rtt>] [<rttvar>] [<krtt>] [<rttmin>] [<mss>] [<dur>] [<flags>] [<md5-cnt>] [<md5-host>] [<md5-err>] [<rcv-hiwat>] [<rcv-lowat>] [<rcv-flags>] [<snd-hiwat>] [<snd-lowat>] [<snd-flags>] [<tcp-count>] [<udp-count>] [<raw-count>] }] }]]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
connection	Display connection information
pid	(Optional) Display specific client process connection status
pid	(Optional) Display client process connection status <pid>
tcp	(Optional) Display all TCP connections
udp	(Optional) Display all UDP connections
raw	(Optional) Display all raw connections
local	(Optional) Display all TCP connections with specified local address
srcIP	(Optional) Display all TCP connections with specified local address
foreign	(Optional) Display all TCP connections with specified foreign address
dstIP	(Optional) Display all TCP connections with specified foreign address
detail	(Optional) Display detailed connection infomation
keydetails	(Optional) Display md5 key specific details
__readonly__	(Optional)
TABLE_sockets	(Optional) sockets table
protocol	(Optional) socket protocol
total-conn-count	(Optional) socket connection table
TABLE_conn	(Optional)
afi	(Optional) socket family
prot	(Optional) socket protocol

tcp-state	(Optional) socket tcp state
rcv-count	(Optional) socket connection receive count
laddr	(Optional) socket conenction laddr
lport	(Optional) socket connection lport
faddr	(Optional) socket connection faddr
fport	(Optional) socket connection fport
intf	(Optional) socket connection interface
vrf-name	(Optional) socket vrf name
snd-count	(Optional) socket connection send count
type	(Optional) socket connection type
ttl	(Optional) socket connection ttl
tos	(Optional) socket connection tos
options	(Optional) socket connection option
state	(Optional) socket connection state
iss	(Optional) socket connection iss
snd-una	(Optional) socket connection send unavailable
snd-nxt	(Optional) socket connection send next
snd_wnd	(Optional) socket connection send window
irs	(Optional) socket connection irs
rcv-nxt	(Optional) socket connection receive next
rcv-wnd	(Optional) socket connection receive window
snd-cwnd	(Optional) socket connection close sent window
srtt	(Optional) socket connection srtt
rtt	(Optional) socket connection rtt
rttvar	(Optional) socket connection rttvar
krtt	(Optional) socket connection krtt
rttmin	(Optional) socket connection rtt mintues
mss	(Optional) socket connection mss
dur	(Optional) socket connection duration

flags	(Optional) socket connection flags
md5-cnt	(Optional) socket connection md5 count
md5-host	(Optional) socket connection md5 host
md5-err	(Optional) socket connection md5 error
rcv-hiwat	(Optional) socket connection receive hiwat
rcv-lowat	(Optional) socket connection receive lowat
rcv-flags	(Optional) socket connection receive flags
snd-hiwat	(Optional) socket connection send hiwat
snd-lowat	(Optional) socket connection send lowat
snd-flags	(Optional) socket connection send flags
tcp-count	(Optional) socket connection tcp count
udp-count	(Optional) socket connection udp count
raw-count	(Optional) socket connection raw count

Command Mode

- /exec

show sockets keychain-dump

show sockets keychain-dump

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
keychain-dump	Dump the pss information for keychains

Command Mode

- /exec

show sockets local-port-range

show sockets local-port-range [__readonly__ <kstack_local_port_range_start> <kstack_local_port_range_end> <netstack_local_port_range_start> <netstack_local_port_range_end> <nat_local_port_range_start> <nat_local_port_range_end>]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
local-port-range	Display local port range
__readonly__	(Optional)
kstack_local_port_range_start	(Optional) Kstack local port range start
kstack_local_port_range_end	(Optional) Kstack local port range end
netstack_local_port_range_start	(Optional) Netstack local port range start
netstack_local_port_range_end	(Optional) Netstack local port range end
nat_local_port_range_start	(Optional) Nat local port range start
nat_local_port_range_end	(Optional) Nat local port range end

Command Mode

- /exec

show sockets ns-port-kiosk

show sockets ns-port-kiosk

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
ns-port-kiosk	Display port kiosk for netstack socket clients

Command Mode

- /exec

show sockets performance

show sockets performance [clear]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
performance	Display detailed perf statistics
clear	(Optional) Clear perf statistics

Command Mode

- /exec

show sockets secure-lxc

show sockets secure-lxc

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
secure-lxc	Display secure-container sockets information

Command Mode

- /exec

show sockets statistics

show sockets statistics [all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum] [__readonly__ [{ TABLE_stat [<rx-total>] [<rx-bad-csum>] [<rx-bad-offset>] [<rx-too-short>] [<rx-bad-md5>] [<rx-inseq-pack>] [<rx-inseq-bytes>] [<rx-dup-pack>] [<rx-dup-bytes>] [<rx-partdup-pack>] [<rx-partdup-bytes>] [<rx-oo-pack>] [<rx-oo-bytes>] [<rx-afterwin-pack>] [<rx-afterwin-bytes>] [<rx-afterclose-pack>] [<rx-winprobe-pack>] [<rx-winupdate-pack>] [<rx-dupack-pack>] [<rx-dupack-unsent-pack>] [<rx-ack-pack>] [<rx-ack-bytes>] [<rx-rcv-memdrop>] [<rx-dig-mssing>] [<rx-dig-unexpected>] [<rx-dig-notused>] [<rx-dig-valid>] [<rx-dig-invalid>] [<rx-get-passwd-fail>] [<rx-md5-mbuf-exded>] [<rx-uspec-src-recv>] [<rx-pkt-too-short>] [<rx-sin-finest>] [<rx-black-hole-syn>] [<rx-black-hole>] [<rx-drop-no-inpcb>] [<rx-drop-notcpcb>] [<rx-drp-sock-closed>] [<rx-syn-with-rst>] [<rx-syn-drop>] [<rx-bandlim>] [<rx-forged-pkt>] [<rx-drp-mbcast>] [<rx-drp-syn-add>] [<rx-drp-syn-recvd>] [<rx-drp-cc-sent>] [<rx-drp-rst-ccsent>] [<rx-frecv-enqueue>] [<rx-frecv-enqueue-fail>] [<rx-ftcp-cant-rcv-more>] [<rx-ftcp-data-ack-toapp-fail>] [<rx-ftcp-data-ack-toapp>] [<tx-total>] [<tx-urg>] [<tx-ctrl>] [<tx-data-pack>] [<tx-data-bytes>] [<tx-reasm-pack>] [<tx-reasm-bytes>] [<tx-ackonly-pack>] [<tx-winprobe-pack>] [<tx-winupdate-bytes>] [<tx-encrypt>] [<tx-unencrypt>] [<tx-md5rst>] [<tx-conn-init>] [<tx-conn-accepted>] [<tx-conn-estd>] [<closed>] [<dropped>] [<emb-dropped>] [<tx-rxmt-timeout>] [<tx-rxmt-timeout-dropped>] [<tx-ka-timeout>] [<tx-ka-probe>] [<tx-ka-drop>] [<gen-seg-timed>] [<gen-rtt-updated>] [<gen-delack>] [<gen-persist-timeout>] [<gen-paws-drop>] [<gen-predack>] [<gen-preddat>] [<gen-pcb-cachemiss>] [<gen-cache-drtt>] [<gen-cache-drttvar>] [<gen-cached-ssthresh>] [<gen-usedrtt>] [<gen-usedrttvar>] [<gen-usedssthresh>] [<gen-persistdrop>] [<gen-badsyn>] [<gen-mturesent>] [<gen-list-endrop>] [<gen-rpm-bind-synsock>] [<gen-rpm-bindsynadd>] [<gen-rpm-bindlookup>] [<gen-rpm-bindsetsock>] [<gen-rpm-unbind-getpass>] [<gen-rpm-unbinduser1>] [<gen-rpm-unbinduser2>] [<gen-rpm-unbindrollover>] [<gen-rpm-unbind-synfree>] [<gen-rpm-unbind-tpfree>] [<syn-sc-added>] [<syn-retransmitted>] [<syn-dupsyn>] [<syn-dropped>] [<syn-completed>] [<syn-bucket-overflow>] [<syn-cache-overflow>] [<syn-sc-reset>] [<syn-sc-stale>] [<syn-sc-aborted>] [<syn-sc-badack>] [<syn-sc-unreach>] [<syn-sc-zonefail>] [<syn-sc-sendcookie>] [<syn-sc-recvcookie>] [<syn-sc-crosshits>] [<syn-sc-supsyncrosshits>] [<syn-sc-removecrosshits>] [<udp-rx-total>] [<udp-rx-bad-csum>] [<udp-rx-no-csum>] [<udp-rx-too-short>] [<udp-rx-bad-len>] [<udp-rx-no-port>] [<udp-rx-no-port-bcast>] [<udp-rx-no-port-mcast>] [<udp-rx-full-socket-drop>] [<udp-tx-total>] [<raw-rx-version>] [<raw-rx-rcvd>] [<raw-rx-no-port>] [<raw-rx-full-socket-drop>] [<raw-tx-sent>] [<inpcb-tot-alloc>] [<inpcb-tot-bind>] [<inpcb-tot-laddr>] [<inpcb-tot-connect>] [<inpcb-tot-disconnect>] [<inpcb-tot-detach>] [<inpcb-tot-detach-noinc>] [<inpcb-tot-detach-rort>] [<inpcb-tot-rtfree>] [<inpcb-tot-setsock-addr>] [<inpcb-tot-setpeeraddr>] [<inpcb-tot-notify>] [<inpcb-tot-lookup-npacl-deny>] [<inpcb-tot-lookup-npacl-allow>] [<inpcb-tot-inshash-ipv4>] [<inpcb-tot-inshash-ipv6>] [<inpcb-tot-brehash-ipv4>] [<inpcb-tot-brehash-ipv6>] [<inpcb-tot-bremhash>] [<inpcb-err-allocnomem>] [<inpcb-err-bindeinavl>] [<inpcb-err-eaddrinuse>] [<inpcb-err-eagain>] [<inpcb-err-eagain2>] [<inpcb-err-eaddrnotavail>] [<inpcb-err-eafnosupport>] [<inpcb-err-enomem>] [<inpcb-err-ehostunreach>] [<inpcb-err-laddr-enxio>] [<inpcb-err-laddr-ehostunreach2>] [<inpcb-err-connectladdr>] [<inpcb-err-connect-eaddrinuse>] [<inpcb-err-connbind>] [<inpcb-err-sockaddrenomem>] [<inpcb-err-sockaddreconnreset>] [<inpcb-err-peeraddr-enomem>] [<inpcb-err-econnrest>] [<inpcb-err-respond-enobufs>] [<inpcb-err-binshash-enobufs>] [<in6pcb-tot-setport>] [<in6pcb-tot-bind>] [<in6pcb-tot-laddr>] [<in6pcb-tot-connect>] [<in6pcb-tot-disconnect>] [<in6pcb-tot-detach>] [<in6pcb-tot-sockaddr>] [<in6pcb-tot-peeraddr>] [<in6pcb-tot-notify>] [<in6pcb-tot-lookuplocal>] [<in6pcb-tot-hashnpacl-deny>] [<in6pcb-err-setporteagain>] [<in6pcb-err-setporteagain2>] [<in6pcb-err-seteagain3>] [<in6pcb-bind-eafnosupport>] [<in6pcb-err-bindeaddrinuse>] [<in6pcb-err-bindeaddrinuse2>] [<in6pcb-err-bindeaddrinuse3>] [<in6pcb-err-bindeaddrinuse4>] [<in6pcb-err-bindsetport>] [<in6pcb-err-bindeagain>] [<in6pcb-err-laddr-eafnosupport>] [<in6pcb-err-eaddrnotavail>] [<in6pcb-err-laddr-enomem>] [<in6pcb-err-laddr-ehostreach>] [

<in6pcb-err-laddr-ehostunreach2>] [<in6pcb-err-laddr-ehostunreach3>] [<in6pcb-err-laddr-ehostunreach4>] [<in6pcb-err-laddr-enxio>] [<in6pcb-err-connladdr>] [<in6pcb-err-conneaddrinuse>] [<in6pcb-err-connbind>] [<in6pcb-err-sockaddr-enomem>] [<in6pcb-err-v4maps-enomem>] [<in6pcb-err-setsock-noinp>] [<in6pcb-err-setpeer-noinp>] [<in6pcb-err-sockaddr-noinp>] [<in6pcb-err-peeraddr-noinp>] [<in6pcb-err-notify-einavl>] [<in6pcb-err-ctloutput-nosoopt>] }]]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
statistics	Display sockets statistics
all	(Optional) Display TCP/UDP/RAW v4/v6 protocols statistics
tcp	(Optional) Display TCP v4 protocol statistics
tcp6	(Optional) Display TCP v6 protocol statistics
tcpsum	(Optional) Display sum of TCP v4 and TCP v6 protocols statistics
udp	(Optional) Display UDP v4 protocol statistics
udp6	(Optional) Display UDP v6 protocol statistics
udpsum	(Optional) Display sum of UDP v4 and UDP v6 protocols statistics
raw	(Optional) Display RAW v4 protocol statistics
raw6	(Optional) Display RAW v6 protocol statistics
rawsum	(Optional) Display sum of RAW v4 and RAW v6 protocols statistics
__readonly__	(Optional)
TABLE_stat	(Optional) sockets statistics table
rx-total	(Optional) total packets received
rx-bad-csum	(Optional) packets received with ccksum errs
rx-bad-offset	(Optional) packets received with bad offset
rx-too-short	(Optional) packets received too short
rx-bad-md5	(Optional) Recieved bad digest
rx-inseq-pack	(Optional) packets received in sequence
rx-inseq-bytes	(Optional) bytes received in sequence
rx-dup-pack	(Optional) duplicate-only packets received
rx-dup-bytes	(Optional) duplicate-only bytes received
rx-partdup-pack	(Optional) packets with some duplicate data

rx-partdup-bytes	(Optional) dup. bytes in part-dup. packets
rx-oo-pack	(Optional) out-of-order packets received
rx-oo-bytes	(Optional) out-of-order bytes received
rx-afterwin-pack	(Optional) packets with data after window
rx-afterwin-bytes	(Optional) bytes rcvd after window
rx-afterclose-pack	(Optional) packets rcvd after close
rx-winprobe-pack	(Optional) rcvd window probe packets
rx-winupdate-pack	(Optional) rcvd window update packets
rx-dupack-pack	(Optional) rcvd duplicate acks
rx-dupack-unsent-pack	(Optional) rcvd acks for unsent data
rx-ack-pack	(Optional) rcvd ack packets
rx-ack-bytes	(Optional) bytes acked by rcvd acks
rx-rcv-memdrop	(Optional) packets dropped for lack of memory
rx-dig-mssing	(Optional) digest missing
rx-dig-unexpected	(Optional) digest unexpected
rx-dig-notused	(Optional) digest not used
rx-dig-valid	(Optional) digest valid
rx-dig-invalid	(Optional) digest invalid
rx-get-passwd-fail	(Optional) get pass failed for RST
rx-md5-mbuf-exded	(Optional) md5 passwd exceeds mbuf
rx-uspec-src-recv	(Optional) Dropped Unspecified src pkt recieved
rx-pkt-too-short	(Optional) Dropped Packet too short
rx-sin-finest	(Optional) Dropped packet set with SYN/FIN
rx-black-hole-syn	(Optional) Dropped black hole SYN
rx-black-hole	(Optional) Dropped black hole
rx-drop-no-inpcb	(Optional) Dropped no inpcb
rx-drop-notcpcb	(Optional) Dropped no tcpcb
rx-drp-sock-closed	(Optional) Dropped socket closed
rx-syn-with-rst	(Optional) Dropped SYN with reset

rx-syn-drop	(Optional) Dropped SYN
rx-bandlim	(Optional) Dropped Bandlim rst open port
rx-forged-pkt	(Optional) Dropped Same src/dst
rx-drp-mbcast	(Optional) Dropped Broadcast/Multicast
rx-drp-syn-add	(Optional) Dropped Adding SYN failed
rx-drp-syn-recvd	(Optional) ACK recvd not for our SYN
rx-drp-cc-sent	(Optional) Dropped cc sent
rx-drp-rst-ccsent	(Optional) Dropped cc sent with reset
rx-frecv-enqueue	(Optional) Fast recv packets enqueued
rx-frecv-enqueue-fail	(Optional) Fast recv enqueue failed
rx-ftcp-cant-rcv-more	(Optional) Fast TCP can not recv more
rx-ftcp-data-ack-toapp-fail	(Optional) Fast TCP data ACK to app failed
rx-ftcp-data-ack-toapp	(Optional) Fast TCP data ACK to app
tx-total	(Optional) total packets sent
tx-urg	(Optional) packets sent with URG only
tx-ctrl	(Optional) control (SYN|FIN|RST) packets sent
tx-data-pack	(Optional) data packets sent
tx-data-bytes	(Optional) data bytes sent
tx-reasm-pack	(Optional) data packets retransmitted
tx-reasm-bytes	(Optional) data bytes retransmitted
tx-ackonly-pack	(Optional) ack-only packets sent
tx-winprobe-pack	(Optional) window probes sent
tx-winupdate-bytes	(Optional) window update-only packets sent
tx-encrypt	(Optional) Encrypted packets sent
tx-unencrypt	(Optional) Unencrypted packets sent
tx-md5rst	(Optional) No of encrypted RST packets
tx-conn-init	(Optional) connections initiated
tx-conn-accepted	(Optional) connections accepted
tx-conn-estd	(Optional) connections established

closed	(Optional) conn. closed (includes drops)
dropped	(Optional) connections dropped
emb-dropped	(Optional) embryonic connections dropped
tx-rxmt-timeout	(Optional) total rxmt timeout
tx-rxmt-timeout-dropped	(Optional) connections dropped in rxmt timeout
tx-ka-timeout	(Optional) keepalive timeouts
tx-ka-probe	(Optional) keepalive probes sent
tx-ka-drop	(Optional) connections dropped in keepalive
gen-seg-timed	(Optional) segs where we tried to get rtt
gen-rtt-updated	(Optional) times we succeeded to get rtt
gen-delack	(Optional) delayed acks sent
gen-persist-timeout	(Optional) persist timeouts
gen-paws-drop	(Optional) segments dropped due to PAWS
gen-predack	(Optional) hdr predict ok for acks
gen-preddat	(Optional) hdr predict ok for data pkts
gen-pcb-cachemiss	(Optional) PCB cache miss
gen-cache-drtt	(Optional) times cached RTT in route updated
gen-cache-drttvar	(Optional) times cached rttvar updated
gen-cached-ssthresh	(Optional) times cached ssthresh updated
gen-usedrtt	(Optional) times RTT initialized from route
gen-usedrttvar	(Optional) times RTTVAR initialized from rt
gen-usedssthresh	(Optional) times ssthresh initialized from rt
gen-persistdrop	(Optional) timeout in persist state
gen-badsyn	(Optional) bogus SYN, e.g. premature ACK
gen-mturesent	(Optional) resends due to MTU discovery
gen-list-endrop	(Optional) listen queue overflows
gen-rpm-bind-synsock	(Optional) rpm bind in synsock
gen-rpm-bindsynadd	(Optional) rpm bind in synadd
gen-rpm-bindlookup	(Optional) rpm bind in lookup

gen-rpm-bindsetsock	(Optional) rpm bind in setsock
gen-rpm-unbind-getpass	(Optional) rpm unbind get pass
gen-rpm-unbinduser1	(Optional) rpm unbind by user
gen-rpm-unbinduser2	(Optional) rpm unbind by user1
gen-rpm-unbindrollover	(Optional) rpm unbind during rollover
gen-rpm-unbind-synfree	(Optional) rpm unbind in syn free
gen-rpm-unbind-tpfree	(Optional) rpm unbind in tp free
syn-sc-added	(Optional) entry added to syncache
syn-retransmitted	(Optional) syncache entry was retransmitted
syn-dupsyn	(Optional) duplicate SYN packet
syn-dropped	(Optional) could not reply to packet
syn-completed	(Optional) successful extraction of entry
syn-bucket-overflow	(Optional) syncache per-bucket limit hit
syn-cache-overflow	(Optional) syncache cache limit hit
syn-sc-reset	(Optional) RST removed entry from syncache
syn-sc-stale	(Optional) timed out or listen socket gone
syn-sc-aborted	(Optional) syncache entry aborted
syn-sc-badack	(Optional) removed due to bad ACK
syn-sc-unreach	(Optional) ICMP unreachable received
syn-sc-zonefail	(Optional) zalloc() failed
syn-sc-sendcookie	(Optional) SYN cookie sent
syn-sc-recvcookie	(Optional) SYN cookie received
syn-sc-crosshits	(Optional) crosshits on the SC blocks
syn-sc-supsyncrosshits	(Optional) crosshits dup SYN on SC block
syn-sc-removecrosshits	(Optional) crosshits on SC blocks to remove
udp-rx-total	(Optional) total udp packets
udp-rx-bad-csum	(Optional) udp checksum error
udp-rx-no-csum	(Optional) udp no checksum
udp-rx-too-short	(Optional) udp packets drops

udp-rx-bad-len	(Optional) udp bad length
udp-rx-no-port	(Optional) udp no port
udp-rx-no-port-bcast	(Optional) udp no port broadcast
udp-rx-no-port-mcast	(Optional) udp no port multicast
udp-rx-full-socket-drop	(Optional) udp dropped full socket
udp-tx-total	(Optional) udp total packets
raw-rx-version	(Optional) raw sockets version
raw-rx-rcvd	(Optional) raw sockets connection received
raw-rx-no-port	(Optional) raw socket no port
raw-rx-full-socket-drop	(Optional) raw socket full sockets drop
raw-tx-sent	(Optional) raw socket connection sent
inpcb-tot-alloc	(Optional) inpcb allocation
inpcb-tot-bind	(Optional) inpcb bind
inpcb-tot-laddr	(Optional) inpcb laddr
inpcb-tot-connect	(Optional) inpcb connect
inpcb-tot-disconnect	(Optional) inpcb disconnect
inpcb-tot-detach	(Optional) inpcb detach
inpcb-tot-detach-noinc	(Optional) inpcb detaach no increment
inpcb-tot-detach-rort	(Optional) inpcb detach no return
inpcb-tot-rtfree	(Optional) inpcb rt free
inpcb-tot-setsock-addr	(Optional) inpcb set socket address
inpcb-tot-setpeeraddr	(Optional) inpcb set peer address
inpcb-tot-notify	(Optional) inpcb notify
inpcb-tot-lookup-npacl-deny	(Optional) inpcb lookup hash npacl deny
inpcb-tot-lookup-npacl-allow	(Optional) inpcb lookup npacl allow
inpcb-tot-inshash-ipv4	(Optional) inpcb inshash ipv4
inpcb-tot-inshash-ipv6	(Optional) inpcb inshash ipv6
inpcb-tot-brehash-ipv4	(Optional) inpcb brehash ipv4
inpcb-tot-brehash-ipv6	(Optional) inpcb brehash ipv6

inpcb-tot-bremhash	(Optional) inpcb brehash
inpcb-err-allocnomem	(Optional) inpcb allocation no memory error
inpcb-err-bindeinavl	(Optional) inpcb bind einval error
inpcb-err-eaddrinuse	(Optional) inpcb eaddr in use error
inpcb-err-eagain	(Optional) inpcb eagain error
inpcb-err-eagain2	(Optional) inpcb eagain2 error
inpcb-err-eaddrnotavail	(Optional) inpcb eaddr not availableerror
inpcb-err-eafnosupport	(Optional) inpcb eaf no support error
inpcb-err-enomem	(Optional) inpcb no-memory error
inpcb-err-ehostunreach	(Optional) inpcb ehost unreachable error
inpcb-err-laddr-enxio	(Optional) inpcb laddr enxio error
inpcb-err-laddr-ehostunreach2	(Optional) inpcb laddr ehost unreachable2 error
inpcb-err-connectladdr	(Optional) inpcb connect laddr error
inpcb-err-connect-eaddrinuse	(Optional) inpcb connect eaddress in use error
inpcb-err-connbind	(Optional) inpcb connect bind error
inpcb-err-sockaddrenomem	(Optional) inpcb socket address no memory error
inpcb-err-sockaddreconnreset	(Optional) inpcb socket address econnect reset error
inpcb-err-peeraddr-enomem	(Optional) inpcb peer address no memory error
inpcb-err-econnrest	(Optional) inpcb connection rest error
inpcb-err-respond-enobufs	(Optional) inpcb respond no buffer error
inpcb-err-binshash-enobufs	(Optional) inpcb binshash no buffer error
in6pcb-tot-setport	(Optional) in6pcb set port error
in6pcb-tot-bind	(Optional) in6pcb bind
in6pcb-tot-laddr	(Optional) in6pcb laddr
in6pcb-tot-connect	(Optional) in6pcb connect
in6pcb-tot-disconnect	(Optional) in6pcb disconnect
in6pcb-tot-detach	(Optional) in6pcb detach
in6pcb-tot-sockaddr	(Optional) in6pcb socket address
in6pcb-tot-peeraddr	(Optional) in6pcb peer address

in6pcb-tot-notify	(Optional) in6pcb notify
in6pcb-tot-lookuplocal	(Optional) in6pcb lookup local
in6pcb-tot-hashnpacl-deny	(Optional) in6pcb hash npacl deny
in6pcb-err-setporteagain	(Optional) in6pcb set port again error
in6pcb-err-setporteagain2	(Optional) in6pcb set port again2 error
in6pcb-err-seteagain3	(Optional) in6pcb set port again3 error
in6pcb-bind-eafnosupport	(Optional) in6pcb bind eaf no support error
in6pcb-err-bindeaddrinuse	(Optional) in6pcb bind address in use error
in6pcb-err-bindeaddrinuse2	(Optional) in6pcb bind address in use2 error
in6pcb-err-bindeaddrinuse3	(Optional) in6pcb bind address in use3 error
in6pcb-err-bindeaddrinuse4	(Optional) in6pcb bind address in use4 error
in6pcb-err-bindsetport	(Optional) in6pcb bind setport error
in6pcb-err-bindeagain	(Optional) in6pcb bind again error
in6pcb-err-laddr-eafnosupport	(Optional) in6pcb laddr eaf no support error
in6pcb-err-eaddrnotavail	(Optional) in6pcb address not available error
in6pcb-err-laddr-enomem	(Optional) in6pcb laddr no memory error
in6pcb-err-laddr-ehostreach	(Optional) in6pcb laddr host reach error
in6pcb-err-laddr-ehostunreach2	(Optional) in6pcb laddr host reach2 error
in6pcb-err-laddr-ehostunreach3	(Optional) in6pcb laddr host reach3 error
in6pcb-err-laddr-ehostunreach4	(Optional) in6pcb laddr host reach4 error
in6pcb-err-laddr-enxio	(Optional) in6pcb laddr enxio error
in6pcb-err-connladdr	(Optional) in6pcb connect laddr error
in6pcb-err-conneaddrinuse	(Optional) in6pcb connect eaddress in use error
in6pcb-err-connbind	(Optional) in6pcb connect bind error
in6pcb-err-sockaddr-enomem	(Optional) in6pcb socket address no memory error
in6pcb-err-v4maps-enomem	(Optional) in6pcb v4maps no memory error
in6pcb-err-setsock-noinp	(Optional) in6pcb set socket noinp error
in6pcb-err-setpeer-noinp	(Optional) in6pcb set peer noinp error
in6pcb-err-sockaddr-noinp	(Optional) in6pcb socket address noinp error

in6pcb-err-peeraddr-noinp	(Optional) in6pcb peer address noinp error
in6pcb-err-notify-einavl	(Optional) in6pcb notify eingress available error
in6pcb-err-ctloutput-nosoopt	(Optional) in6pcb control output no socket opt error

Command Mode

- /exec

show sockets tcp keychain binding

show sockets tcp keychain binding [__readonly__ { TABLE_keychain <keychain> <handle> <ref_count> }]

Syntax Description

show	Show running system information
sockets	Display sockets status and configuration
tcp	TCP information
keychain	Keychain information
binding	Binding information reagarding RPM
__readonly__	(Optional)
TABLE_keychain	(Optional) all sockets tcp keychains
keychain	(Optional) xml keychain information
handle	(Optional) xml handle information
ref_count	(Optional) xml refcount information

Command Mode

- /exec

show spanning-tree

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> TABLE_port <if_index> [<vpc>] <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>]] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] { <verbosity> | active } + [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
verbosity	verbosity
active	Report on active interfaces only
__readonly__	(Optional) Read Only

TABLE_tree	(Optional)
tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
port_count	(Optional) Number of Ports in Tree
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_active	(Optional) Spanning Tree State
root_path_cost	(Optional) Root Path Cost
root_port_if_index	(Optional) Root Port
root_port_priority	(Optional) Root Port Priority
root_port_number	(Optional) Root Port Number
topology_change	(Optional) Topology Change flag is set ?
topology_change_detected	(Optional) Topology Change detected flag is set ?
topology_change_count	(Optional) Topology Change Count
topology_change_time_since_last	(Optional) Time since last TC
tc_initiator_if_index	(Optional) Topology Change initiator port
max_age	(Optional) Max Age
hello_time	(Optional) Hello Time
forward_delay	(Optional) Forward delay
bridge_max_age	(Optional) Configured Bridge Max Age
bridge_hello_time	(Optional) Configured Hello Time
bridge_forward_delay	(Optional) Configured Forward Delay
hold_time	(Optional) Configured Hold Time
hello_timer	(Optional) Hello Timer Value
topology_change_timer	(Optional) Topology Change Timer Value
tcn_timer	(Optional) TCN Timer Value

aging_timer	(Optional) Ageing Timer Value
disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
TABLE_port	(Optional)
if_index	(Optional) Interface
vpc	(Optional) STP Port memebr of MCT/VPC PO
port_info_tree_id	(Optional) Tree Id
state	(Optional) STP Port State
role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number
port_protocol	(Optional) Tree Protocol
port_tree_type	(Optional) Tree Type
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id
tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port

bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?
forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer
peer	(Optional) STP protocol of the peer
dispute	(Optional) Is port Disputed ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
boundary	(Optional) Is port boundary ?
prestd	(Optional) Is port Pre STD MST ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
oper_networkport	(Optional) Is network port enabled ?
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree blockedports

{ show spanning-tree [vlan <vlan-id>] blockedports [__readonly__ [TABLE_tree [<port_info_tree_id>] [TABLE_port [<if_index>]]] [<tree_type>] [<num_ports>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
__readonly__	(Optional)
TABLE_tree	(Optional)
port_info_tree_id	(Optional) Tree name
TABLE_port	(Optional)
if_index	(Optional) Port name
tree_type	(Optional) Tree Type
num_ports	(Optional) Number of Ports
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
blockedports	Show blocked ports

Command Mode

- /exec

show spanning-tree bridge

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] bridge [priority [system-id]] [__readonly__ { TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> }] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] bridge [{ detail | brief }] [__readonly__ { TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> }] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] bridge [{ address | forward-time | hello-time | id | max-age | protocol }] [__readonly__ { TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <bridge_mac> <bridge_priority> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> }] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
bridge	Status and configuration of this bridge
address	(Optional) Mac address of this bridge
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
protocol	(Optional) Spanning tree protocol
brief	(Optional) Brief summary of the status and configuration output
detail	(Optional) Detailed of the status and configuration
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension
__readonly__	(Optional) Read Only
TABLE_tree	(Optional)
tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type

tree_protocol	(Optional) Tree Protocol
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
bridge_forward_delay	(Optional) Configured Forward Delay
bridge_max_age	(Optional) Configured Bridge Max Age
bridge_hello_time	(Optional) Configured Hello Time

Command Mode

- /exec

show spanning-tree inconsistentports

{ show spanning-tree [vlan <vlan-id>] inconsistentports [__readonly__ [TABLE_tree <port_info_tree_id> <if_index> <inconsistency>] [<tree_type>] [<num_ports>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
inconsistentports	Show inconsistent ports
__readonly__	(Optional)
TABLE_tree	(Optional)
port_info_tree_id	(Optional) Tree name
if_index	(Optional) Port name
inconsistency	(Optional) Inconsistency type
tree_type	(Optional) Tree Type
num_ports	(Optional) Number of Ports

Command Mode

- /exec

show spanning-tree interface

{ show spanning-tree [vlan <vlan-id>] interface <interface-id> { cost | inconsistency | edge | priority | rootcost | state } [__readonly__ [TABLE_vlan_interface_info <tree_name> [<cost>] [<edge>] [<inconsistency>] [<priority>] [<rootcost>] [<state>]]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
interface	Spanning Tree interface status and configuration
interface-id	
cost	Port path cost
inconsistency	Port inconsistency state
edge	Edge Port configuration
priority	Port priority
rootcost	Path cost to root
state	Port spanning tree state
__readonly__	(Optional)
TABLE_vlan_interface_info	(Optional)
tree_name	(Optional) Spanning tree name
cost	(Optional) Path cost
edge	(Optional) Portfast enabled or not
inconsistency	(Optional) Port inconsistency
priority	(Optional) Port Priority
rootcost	(Optional) Designated Cost
state	(Optional) Port state

Command Mode

- /exec

show spanning-tree interface

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] interface <interface-id> [__readonly__ { TABLE_port <if_index> [<vpc>] <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> <oper_networkport> <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>] }] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] interface <interface-id> { <verbosity> | active } + [__readonly__ { TABLE_port <if_index> [<vpc>] <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> <oper_networkport> <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> [<boundary>] [<simulate_pvst_cfg>] [<simulate_pvst>] [<prestd>] }] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
interface	Spanning Tree interface status and configuration
interface-id	
verbosity	verbosity
active	Report on active instances only
__readonly__	(Optional) Read Only
TABLE_port	(Optional)
if_index	(Optional) Interface
vpc	(Optional) STP Port memebr of MCT/VPC PO
port_info_tree_id	(Optional) Tree Id
state	(Optional) STP Port State

role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number
port_protocol	(Optional) Tree Protocol
port_tree_type	(Optional) Tree Type
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id
tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port
bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?

forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer
peer	(Optional) STP protocol of the peer
dispute	(Optional) Is port Disputed ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
boundary	(Optional) Is port boundary ?
prestd	(Optional) Is port Pre STD MST ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
oper_networkport	(Optional) Is network port enabled ?
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree issu-impact

show spanning-tree issu-impact [__readonly__ [TABLE_topology <tc_detected> <tc_name> <no_of_tc> <time> <tc_string>] [TABLE_BA_ports <port_name>] [<criteria1>] [<criteria2>] [TABLE_non_edge_ports <port> <vlan> <role> <sts> <tree> <instance>] [<criteria3>]]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
issu-impact	Show whether STP meets ISSU criteria
__readonly__	(Optional)
TABLE_topology	(Optional)
tc_detected	(Optional)
tc_name	(Optional)
no_of_tc	(Optional)
time	(Optional)
tc_string	(Optional)
TABLE_BA_ports	(Optional)
port_name	(Optional)
TABLE_non_edge_ports	(Optional)
port	(Optional)
vlan	(Optional)
role	(Optional)
sts	(Optional)
tree	(Optional)
instance	(Optional)
criteria1	(Optional)
criteria2	(Optional)
criteria3	(Optional)

Command Mode

- /exec

show spanning-tree mst

{ show spanning-tree mst [<mst-id>] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <ist-master-id-mac> <ist-master-prio> <ist-path-cost> <remaining-hops> <max-hops> <txholdcount> <tree-vlan-map> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] } | { show spanning-tree mst [<mst-id>] detail [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <port_count> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_active> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <topology_change> <topology_change_detected> <topology_change_count> <topology_change_time_since_last> <tc_initiator_if_index> <bridge_forward_delay> <bridge_max_age> <bridge_hello_time> <max_age> <hello_time> <forward_delay> <hold_time> <hello_timer> <topology_change_timer> <tcn_timer> <aging_timer> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <ist-master-id-mac> <ist-master-prio> <ist-path-cost> <remaining-hops> <max-hops> <txholdcount> <tree-vlan-map> TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> <pvstsim_inc_timer> <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
mst-id	(Optional) MST instance range, example: 0-3,5,7-9
detail	Detailed information
__readonly__	(Optional) Read Only
TABLE_tree	(Optional)

tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
port_count	(Optional) Number of Ports in Tree
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_active	(Optional) Spanning Tree State
root_path_cost	(Optional) Root Path Cost
root_port_if_index	(Optional) Root Port
root_port_priority	(Optional) Root Port Priority
root_port_number	(Optional) Root Port Number
topology_change	(Optional) Topology Change flag is set ?
topology_change_detected	(Optional) Topology Change detected flag is set ?
topology_change_count	(Optional) Topology Change Count
topology_change_time_since_last	(Optional) Time since last TC
tc_initiator_if_index	(Optional) Topology Change initiator port
max_age	(Optional) Max Age
hello_time	(Optional) Hello Time
forward_delay	(Optional) Forward delay
bridge_max_age	(Optional) Configured Bridge Max Age
bridge_hello_time	(Optional) Configured Hello Time
bridge_forward_delay	(Optional) Configured Forward Delay
hold_time	(Optional) Configured Hold Time
hello_timer	(Optional) Hello Timer Value
topology_change_timer	(Optional) Topology Change Timer Value
tcn_timer	(Optional) TCN Timer Value
aging_timer	(Optional) Ageing Timer Value

disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
ist-master-id-mac	(Optional) IST Master ID MAC address
ist-master-prio	(Optional) IST Master ID priority
ist-path-cost	(Optional) IST path cost
remaining-hops	(Optional) Remaining hops
max-hops	(Optional) Max Hops
txholdcount	(Optional) TX Hold count
tree-vlan-map	(Optional) Bitmap of vlans mapped to tree
TABLE_port	(Optional)
if_index	(Optional) Interface
state	(Optional) STP Port State
role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number
port_info_tree_id	(Optional) Tree Id
port_tree_type	(Optional) Tree Type
port_protocol	(Optional) Tree Protocol
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id

tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port
bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?
forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer
peer	(Optional) STP protocol of the peer
boundary	(Optional) Is port boundary ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
dispute	(Optional) Is port Disputed ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
prestd	(Optional) Is port Pre STD MST ?
designated_ist_master	(Optional) Ist master mac
designated_ist_master_priority	(Optional) Ist master priority
designated_ist_cost	(Optional) Ist master path cost

vlan-map	(Optional) Bitmap of vlans mapped to port
oper_networkport	(Optional) Is network port enabled ?
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree mst configuration

{ show spanning-tree mst configuration [__readonly__ <stp-mode> <name> <rev-id> { TABLE_instance_to_vlan_map <mst_id> <vlan_bit_map> } [<pvlan-sync>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
name	(Optional) Configuration name
rev-id	(Optional) Configuration revision number
TABLE_instance_to_vlan_map	(Optional) Instance to vlan mapping Info
mst_id	(Optional) MST Instance ID
vlan_bit_map	(Optional) VLAN Bitmap
pvlan-sync	(Optional) pvlan synchronization

Command Mode

- /exec

show spanning-tree mst configuration digest

{ show spanning-tree mst configuration digest [__readonly__ <stp-mode> <name> <rev-id> <digest> <prestd-digest> [<pvlan-sync>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
configuration	MST current region configuration
digest	Display MST configuration digest
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
name	(Optional) Configuration name
rev-id	(Optional) Configuration revision number
digest	(Optional) MST region configuration digest
prestd-digest	(Optional) MST region configuration pre-std digest
pvlan-sync	(Optional) pvlan synchronization

Command Mode

- /exec

show spanning-tree mst interface

{ show spanning-tree mst [<mst-id>] interface <interface-id> [__readonly__ TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> [<pvstsim_inc_timer>] <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] } | { show spanning-tree mst [<mst-id>] interface <interface-id> detail [__readonly__ TABLE_port <if_index> <port_info_tree_id> <state> <role> <port_priority> <port_number> <port_protocol> <port_tree_type> <path_cost> <port_designated_root> <port_designated_root_priority> <designated_cost> <designated_bridge> <designated_bridge_priority> <designated_port> <tc_acknowledge> <forward_transition_count> <self_looped> <inconsistency> <bpdus_in> <bpdus_out> <port_fast> <link_type> <port_guard> <bpdu_guard> <bpdu_filter> <oper_portfast> <oper_p2p> <oper_loopguard> <oper_bpduguard> <oper_bpdufilter> <int_bpdufilter> [<oper_networkport>] <forward_delay_timer> <hold_timer> <message_age> <peer> <dispute> [<pvstsim_inc_timer>] <boundary> [<simulate_pvst_cfg>] <simulate_pvst> <prestd> [<designated_ist_master>] [<designated_ist_master_priority>] [<designated_ist_cost>] [<vlan-map>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
mst	Multiple spanning trees
mst-id	(Optional) MST instance range, example: 0-3,5,7-9
interface	Spanning Tree interface status and configuration
interface-id	Specify an interface as a target for the command
detail	Detailed information
__readonly__	(Optional) Read Only
TABLE_port	(Optional)
if_index	(Optional) Interface
port_info_tree_id	(Optional) Tree Id
state	(Optional) STP Port State
role	(Optional) STP Port Role
port_priority	(Optional) Port priority
port_number	(Optional) Port Number

port_tree_type	(Optional) Tree Type
port_protocol	(Optional) Tree Protocol
path_cost	(Optional) Cost configured on this port
port_designated_root	(Optional) Designated Root Mac
port_designated_root_priority	(Optional) Designated Root Priority
designated_cost	(Optional) Designated cost
designated_bridge	(Optional) Designated bridge mac
designated_bridge_priority	(Optional) Designated bridge priority
designated_port	(Optional) Designated Port Id
tc_acknowledge	(Optional) Is topology change acknowledge flag set ?
forward_transition_count	(Optional) Port transitions to Forwarding
self_looped	(Optional) Is Port self looped ?
inconsistency	(Optional) PVST+ Inconsistency Error Flags
bpdus_in	(Optional) BPDUs received on this stp port
bpdus_out	(Optional) BPDUs send on this stp port
port_fast	(Optional) Port Fast configured on port
link_type	(Optional) Link type configured on this port
port_guard	(Optional) Port Guard mode of port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_portfast	(Optional) Is portfast enabled ?
oper_p2p	(Optional) Is port P2P ?
oper_loopguard	(Optional) Is loopguard enabled ?
oper_bpduguard	(Optional) Is bpduguard enabled ?
oper_bpdufilter	(Optional) Is bpdufilter enabled ?
int_bpdufilter	(Optional) Is internal bpdufilter enabled ?
forward_delay_timer	(Optional) Forward Delay timer
hold_timer	(Optional) Hold Timer
message_age	(Optional) Message age timer

peer	(Optional) STP protocol of the peer
boundary	(Optional) Is port boundary ?
simulate_pvst	(Optional) Is port is pvst simulate mode ?
dispute	(Optional) Is port Disputed ?
prestd	(Optional) Is port Pre STD MST ?
designated_ist_master	(Optional) Ist master mac
designated_ist_master_priority	(Optional) Ist master priority
designated_ist_cost	(Optional) Ist master path cost
vlan-map	(Optional) Bitmap of vlans mapped to port
oper_networkport	(Optional) Is network port enabled ?
pvstsim_inc_timer	(Optional) PVST Simulation Inconsistency Hold Timer
simulate_pvst_cfg	(Optional) PVST Simulation configured on port

Command Mode

- /exec

show spanning-tree pathcost method

{ show spanning-tree pathcost method [__readonly__ <stp-pathcost-method> [<stp-operpathcost-method>]] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
pathcost	Show Spanning pathcost options
method	Default pathcost calculation method
__readonly__	(Optional)
stp-pathcost-method	(Optional) STP Pathcost Method
stp-operpathcost-method	(Optional) STP Pathcost Method

Command Mode

- /exec

show spanning-tree root

{ show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] root [priority [system-id]] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root> <tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <max_age> <hello_time> <forward_delay>] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] root [{ address | cost | forward-time | hello-time | id | max-age | port }] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root> <tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <max_age> <hello_time> <forward_delay>] } | { show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] root [{ detail | brief }] [__readonly__ TABLE_tree <tree_id> <tree_tree_type> <tree_protocol> <tree_designated_root> <tree_designated_root_priority> <root_path_cost> <root_port_if_index> <root_port_priority> <root_port_number> <max_age> <hello_time> <forward_delay>] }

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
root	Status and configuration of the root bridge
address	(Optional) Mac address of this bridge
cost	(Optional) Path cost from this bridge to the root
forward-time	(Optional) Forward delay interval
hello-time	(Optional) Hello time
id	(Optional) Spanning tree bridge identifier
max-age	(Optional) Max age
port	(Optional) Root port
brief	(Optional) Brief summary of interface information
detail	(Optional) Detailed information
priority	(Optional) Bridge priority of this bridge
system-id	(Optional) Spanning tree priority with system id extension
__readonly__	(Optional) Read Only

TABLE_tree	(Optional)
tree_id	(Optional) Tree Id
tree_tree_type	(Optional) Tree Type
tree_protocol	(Optional) Tree Protocol
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
root_path_cost	(Optional) Root Path Cost
root_port_if_index	(Optional) Root Port
root_port_priority	(Optional) Root Port Priority
root_port_number	(Optional) Root Port Number
max_age	(Optional) Max Age
hello_time	(Optional) Hello Time
forward_delay	(Optional) Forward delay

Command Mode

- /exec

show spanning-tree summary

show spanning-tree [vlan <vlan-id> | bridge-domain <bd-id>] summary [__readonly__ <stp-mode> [<stp_tree_root_info> <tree_type> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority>] + [<stp_root_bmp_info> <stp_root_tree_type> <tree_root_bmp> <stp_l2gstp_bmp_info> <stp_l2gstp_tree_type> [<stp_l2gstp_bmp>]] <stp_global_info> <pcost_method> <oper_pcost_method> <port_fast> <bpdu_guard> <bpdu_filter> <oper_loopguard> <bridge_assurance> <networkport_default> <simulate_pvst> <max-hops> <peer_switch_cfg> <oper_peer_switch> <stp_l2gstp_domain_id> <stp_lite> [TABLE_tree <stp_tree_summary> <summary_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count>] [<stp_summary_totals> <total_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count>]]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
vlan	(Optional) VLAN Switch Spanning Trees
bridge-domain	(Optional) Bridge-Domain Switch Spanning Trees
vlan-id	(Optional) vlan range, Example: 1,3-5,7,9-11
bd-id	(Optional) Bridge-Domain range, Example: 2,4-5,7,9-11
summary	Summary of port states
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
stp_tree_root_info	(Optional) STP Tree Root info marker
tree_type	(Optional) Tree Type
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_root_bmp_info	(Optional) STP root bitmap info marker
stp_root_tree_type	(Optional) Tree Type
tree_root_bmp	(Optional) STP tree root bmp
stp_l2gstp_bmp_info	(Optional) L2 Gateway STP bitmap marker
stp_l2gstp_tree_type	(Optional) Tree Type
stp_l2gstp_bmp	(Optional) L2 Gateway STP bitmap

stp_global_info	(Optional) STP global info marker
pcost_method	(Optional) STP pathcost method
oper_pcost_method	(Optional) STP oper pathcost method
port_fast	(Optional) Port Fast configured on port
bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_loopguard	(Optional) Is loopguard enabled ?
bridge_assurance	(Optional) Bridge Assurance
networkport_default	(Optional) Network Port default
simulate_pvst	(Optional) Is port is pvst simulate mode ?
max-hops	(Optional) Max Hops
peer_switch_cfg	(Optional) peer switch configuration status
oper_peer_switch	(Optional) peer switch operational status
stp_l2gstp_domain_id	(Optional) L2 Gateway STP Domain ID
stp_lite	(Optional) STP-Lite
TABLE_tree	(Optional)
stp_tree_summary	(Optional) STP Tree Summary
summary_tree_type	(Optional) Tree Type
disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
port_count	(Optional) Number of Ports in Tree
stp_summary_totals	(Optional) Total num STP trees
total_tree_type	(Optional) Tree Type
disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking

listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
port_count	(Optional) Number of Ports in Tree

Command Mode

- /exec

show spanning-tree summary totals

show spanning-tree summary totals [__readonly__ <stp-mode> <stp_tree_root_info> <tree_type> <bridge_mac> <bridge_priority> <tree_designated_root> <tree_designated_root_priority> <stp_root_bmp_info> <stp_root_tree_type> <tree_root_bmp> <stp_l2gstp_bmp_info> <stp_l2gstp_tree_type> <stp_l2gstp_bmp> <stp_global_info> <pcost_method> <oper_pcost_method> <port_fast> <bpdu_guard> <bpdu_filter> <oper_loopguard> <bridge_assurance> <networkport_default> <simulate_pvst> <max-hops> <peer_switch_cfg> <oper_peer_switch> <stp_l2gstp_domain_id> <stp_lite> <stp_summary_totals> <total_tree_type> <disabled> <blocking> <listening> <learning> <forwarding> <invalid> <port_count>]

Syntax Description

show	Show running system information
spanning-tree	Show spanning tree information
summary	Summary of port states
totals	Only show totals
__readonly__	(Optional) Read Only
stp-mode	(Optional) Spanning Tree operating mode
stp_tree_root_info	(Optional) STP Tree Root info marker
tree_type	(Optional) Tree Type
bridge_mac	(Optional) Bridge Mac
bridge_priority	(Optional) Bridge Priority
tree_designated_root	(Optional) Designated Root Mac
tree_designated_root_priority	(Optional) Designated Root Priority
stp_root_bmp_info	(Optional) STP root bitmap info marker
stp_root_tree_type	(Optional) Tree Type
tree_root_bmp	(Optional) STP tree root bmp
stp_l2gstp_bmp_info	(Optional) L2 Gateway STP bitmap marker
stp_l2gstp_tree_type	(Optional) Tree Type
stp_l2gstp_bmp	(Optional) L2 Gateway STP bitmap
stp_global_info	(Optional) STP global info marker
pcost_method	(Optional) STP pathcost method
oper_pcost_method	(Optional) STP oper pathcost method
port_fast	(Optional) Port Fast configured on port

bpdu_guard	(Optional) Bpdu Guard mode configured
bpdu_filter	(Optional) Bpdu Filter mode configured
oper_loopguard	(Optional) Is loopguard enabled ?
bridge_assurance	(Optional) Bridge Assurance
networkport_default	(Optional) Network Port default
simulate_pvst	(Optional) Is port is pvst simulate mode ?
max-hops	(Optional) Max Hops
peer_switch_cfg	(Optional) peer switch configuration status
oper_peer_switch	(Optional) peer switch operational status
stp_l2gstp_domain_id	(Optional) L2 Gateway STP Domain ID
stp_lite	(Optional) STP-Lite
stp_summary_totals	(Optional) Total num STP trees
total_tree_type	(Optional) Tree Type
disabled	(Optional) Number of ports Disabled
blocking	(Optional) Number of ports Blocking
listening	(Optional) Number of ports Listening
learning	(Optional) Number of ports Learning
forwarding	(Optional) Number of ports Forwarding
invalid	(Optional) Number of ports Invalid
port_count	(Optional) Number of Ports in Tree

Command Mode

- /exec

show sprom

show sprom { backplane <i0> | module <module> <i1> | xbar <santa-cruz-range> <i2> | powersupply <i3> | fan <i4> | sup | stby-sup | all | all2 | backplane2 | module2 <module2> | powersupply2 <i5> | sup2 } [__readonly__ [cmn_block { <blk_sig_cb> <blk_ver_cb> <blk_length_cb> <blk_checksum_cb> <eeprom_size> <blk_count> <fru_major_type> <fru_minor_type> <oem_string> <prd_num> <serial_num> <part_num> <part_rev> <mfg_dev> <hw_rev> <mfg_bits> <eng_use> <snmp_oid> <power_consump> <rma_code> <clei_code> <vid> }] [sup_specific_block { <blk_sig_ssb> <blk_ver_ssb> <blk_length_ssb> <blk_checksum_ssb> <feature_bits> <hw_changes_bits> <card_index> <mac_addresses> <no_of_macs> <no_of_epld> [TABLE_epld_ssb <epld_name_ssb> <epld_ver_ssb>] <port_type_num> { TABLE_sensor_ssb <sensor_num_ssb> <maj_thres_ssb> <min_thres_ssb> } <max_connector_power> <cooling_reqt> <amb_temp> }] [lc_specific_block { <blk_sig_lc> <blk_ver_lc> <blk_length_lc> <blk_checksum_lc> <feature_bits> <hw_changes_bits> <card_index> <mac_addresses> <no_of_macs> <no_of_epld> [TABLE_epld_lc <epld_name_lc> <epld_ver_lc>] <port_type_num> { TABLE_sensor_lc <sensor_num_lc> <maj_thres_lc> <min_thres_lc> } <max_connector_power> <cooling_reqt> <amb_temp> }] [ps_specific_block { <blk_sig_psb> <blk_ver_psb> <blk_length_psb> <blk_checksum_psb> <feature_bits> <current_110v> <current_220v> <stackmib_oid> }] [fan_specific_block { <blk_sig_fsb> <blk_ver_fsb> <blk_length_fsb> <blk_checksum_fsb> <feature_bits> <hw_change_bits> <stackmib_oid> <cooling_capacity> <amb_temp> }] [ch_specific_block { <blk_sig_csb> <blk_ver_csb> <blk_length_csb> <blk_checksum_csb> <feature_bits> <hw_changes_bits> <stackmib_oid> <mac_addresses> <no_of_macs> <oem_enterprise> <oem_mib_offset> <max_connector_power> }] [temp_sensor_block { <blk_sig_tsb> <blk_ver_tsb> <blk_length_tsb> <blk_checksum_tsb> <no_of_sensors> { TABLE_sensor_tsb <sensor_num_tsb> <maj_thres_tsb> <min_thres_tsb> } }] [wwn_specific_block { <blk_sig_wwnb> <blk_ver_wwnb> <blk_length_wwnb> <blk_checksum_wwnb> { TABLE_wwn_usage_wsb <wwn_usage_bits> } }] [lic_specific_block { <blk_sig_licb> <blk_ver_licb> <blk_length_licb> <blk_checksum_licb> { TABLE_lic_usage_lsb <lic_usage_bits> } }] [second_serial_block { <blk_sig_sn2b> <blk_ver_sn2b> <blk_length_sn2b> <blk_checksum_sn2b> <serial_num_sn2b> }] [psu_common_block { <format_version> <internal_info_offset> <chassis_info_offset> <board_info_offset> <product_info_offset> <multirecord_info_offset> <checksum> }] [psu_board_info_block { <format_version> <length> <language_code> <mfg_date> <mfg_type> <mfg_info> <name_type> <product_name> <snum_type> <snum> <part_type> <partnum> <fruid_type> <fruid> <bom_hw_pid_info> <partnum_rev> <fab_revision> <vid> <clei_len> <clei> <eof_marker> <csum> }] [psu_product_info_block { <format_version> <length> <language_code> <mfg_type> <mfg_info> <name_type> <product_name> <part_type> <partnum> <product_ver_type> <sw_certification> <snum_type> <snum> <asset_type> <asset_string> <fruid_type> <fruid> <partnumrev> <vid> <eof_marker> <csum> }] [psu_record_info_block { <record_type> <record_info> <record_len> <record_csum> <header_csum> <record_identifier> <format_ver> <standby_pwr_budget> <psu_class> <psu_watts> }]]

Syntax Description

show	Show running system information
sprom	show SPROM contents
backplane	show backplane clock module sprom contents
i0	please enter instance of backplane sprom
module	show linecard module sprom contents
module	please enter module number
i1	please enter instance of module sprom

xbar	show xbar fabric sprom contents
santa-cruz-range	please enter the xbar number
i2	please enter sprom instance number
powersupply	show powersupply sprom contents
i3	please enter powersupply number
fan	show fan module sprom contents
i4	please enter fan number
sup	show supervisor sprom contents
stby-sup	show standby supervisor sprom contents
all	show all sproms contents
all2	All sprom contents
backplane2	Backplane sprom contents
module2	Linecard sprom contents
module2	Linecard module number
powersupply2	Powersupply sprom contents
i5	Powersupply module number
sup2	Supervisor sprom contents
__readonly__	(Optional)
cmn_block	(Optional)
blk_sig_cb	(Optional)
blk_ver_cb	(Optional)
blk_length_cb	(Optional)
blk_checksum_cb	(Optional)
eeprom_size	(Optional)
blk_count	(Optional)
fru_major_type	(Optional)
fru_minor_type	(Optional)
oem_string	(Optional)
prd_num	(Optional)

serial_num	(Optional)
part_num	(Optional)
part_rev	(Optional)
mfg_dev	(Optional)
hw_rev	(Optional)
mfg_bits	(Optional)
eng_use	(Optional)
snmp_oid	(Optional)
power_consump	(Optional)
rma_code	(Optional)
clei_code	(Optional)
vid	(Optional)
ch_specific_block	(Optional)
blk_sig_csb	(Optional)
blk_ver_csb	(Optional)
blk_length_csb	(Optional)
blk_checksum_csb	(Optional)
feature_bits	(Optional)
hw_changes_bits	(Optional)
stackmib_oid	(Optional)
mac_addresses	(Optional)
no_of_macs	(Optional)
oem_enterprise	(Optional)
oem_mib_offset	(Optional)
max_connector_power	(Optional)
sup_specific_block	(Optional)
blk_sig_ssb	(Optional)
blk_ver_ssb	(Optional)
blk_length_ssb	(Optional)

blk_checksum_ssb	(Optional)
feature_bits	(Optional)
hw_changes_bits	(Optional)
card_index	(Optional)
mac_addresses	(Optional)
no_of_macs	(Optional)
no_of_epld	(Optional)
TABLE_epld_ssb	(Optional)
epld_name_ssb	(Optional)
epld_ver_ssb	(Optional)
port_type_num	(Optional)
TABLE_sensor_ssb	(Optional)
sensor_num_ssb	(Optional)
maj_thres_ssb	(Optional)
min_thres_ssb	(Optional)
max_connector_power	(Optional)
cooling_reqt	(Optional)
amb_temp	(Optional)
lc_specific_block	(Optional)
blk_sig_lc	(Optional)
blk_ver_lc	(Optional)
blk_length_lc	(Optional)
blk_checksum_lc	(Optional)
feature_bits	(Optional)
hw_changes_bits	(Optional)
card_index	(Optional)
mac_addresses	(Optional)
no_of_macs	(Optional)
no_of_epld	(Optional)

TABLE_epld_lc	(Optional)
epld_name_lc	(Optional)
epld_ver_lc	(Optional)
port_type_num	(Optional)
TABLE_sensor_lc	(Optional)
sensor_num_lc	(Optional)
maj_thres_lc	(Optional)
min_thres_lc	(Optional)
max_connector_power	(Optional)
cooling_reqt	(Optional)
amb_temp	(Optional)
ps_specific_block	(Optional)
blk_sig_psb	(Optional)
blk_ver_psb	(Optional)
blk_length_psb	(Optional)
blk_checksum_psb	(Optional)
feature_bits	(Optional)
current_110v	(Optional)
current_220v	(Optional)
stackmib_oid	(Optional)
fan_specific_block	(Optional)
blk_sig_fsb	(Optional)
blk_ver_fsb	(Optional)
blk_length_fsb	(Optional)
blk_checksum_fsb	(Optional)
feature_bits	(Optional)
hw_change_bits	(Optional)
stackmib_oid	(Optional)
cooling_capacity	(Optional)

amb_temp	(Optional)
temp_sensor_block	(Optional)
blk_sig_tsb	(Optional)
blk_ver_tsb	(Optional)
blk_length_tsb	(Optional)
blk_checksum_tsb	(Optional)
no_of_sensors	(Optional)
TABLE_sensor_tsb	(Optional)
sensor_num_tsb	(Optional)
maj_thres_tsb	(Optional)
min_thres_tsb	(Optional)
wwn_specific_block	(Optional)
blk_sig_wwnb	(Optional)
blk_ver_wwnb	(Optional)
blk_length_wwnb	(Optional)
blk_checksum_wwnb	(Optional)
TABLE_wwn_usage_wsb	(Optional)
wwn_usage_bits	(Optional)
lic_specific_block	(Optional)
blk_sig_licb	(Optional)
blk_ver_licb	(Optional)
blk_length_licb	(Optional)
blk_checksum_licb	(Optional)
TABLE_lic_usage_lsb	(Optional)
lic_usage_bits	(Optional)
second_serial_block	(Optional)
blk_sig_sn2b	(Optional)
blk_ver_sn2b	(Optional)
blk_length_sn2b	(Optional)

blk_checksum_sn2b	(Optional)
serial_num_sn2b	(Optional)
psu_common_block	(Optional)
format_version	(Optional)
internal_info_offset	(Optional)
chassis_info_offset	(Optional)
board_info_offset	(Optional)
product_info_offset	(Optional)
multirecord_info_offset	(Optional)
checksum	(Optional)
psu_board_info_block	(Optional)
format_version	(Optional)
length	(Optional)
language_code	(Optional)
mfg_date	(Optional)
mfg_type	(Optional)
mfg_info	(Optional)
name_type	(Optional)
product_name	(Optional)
snum_type	(Optional)
snum	(Optional)
part_type	(Optional)
partnum	(Optional)
fruid_type	(Optional)
fruid	(Optional)
bom_hw_pid_info	(Optional)
partnum_rev	(Optional)
fab_revision	(Optional)
vid	(Optional)

clei_len	(Optional)
clei	(Optional)
eof_marker	(Optional)
csum	(Optional)
psu_product_info_block	(Optional)
format_version	(Optional)
length	(Optional)
language_code	(Optional)
mfg_type	(Optional)
mfg_info	(Optional)
name_type	(Optional)
product_name	(Optional)
part_type	(Optional)
partnum	(Optional)
product_ver_type	(Optional)
sw_certification	(Optional)
snum_type	(Optional)
snum	(Optional)
asset_type	(Optional)
asset_string	(Optional)
fruid_type	(Optional)
fruid	(Optional)
partnumrev	(Optional)
vid	(Optional)
eof_marker	(Optional)
csum	(Optional)
psu_record_info_block	(Optional)
record_type	(Optional)
record_info	(Optional)

record_len	(Optional)
record_csum	(Optional)
header_csum	(Optional)
record_identifier	(Optional)
format_ver	(Optional)
standby_pwr_budget	(Optional)
psu_class	(Optional)
psu_watts	(Optional)

Command Mode

- /exec

show srte pce ipv4 peer

show srte pce ipv4 peer [<pce_address>] [__readonly__ [TABLE_peer <pcc_address> <pce_address> <precedence> <state>]]

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
pce	Show PCC related information
ipv4	Show ipv4 pcc information
peer	Show PCE peers
pce_address	(Optional) PCE address of the peer
__readonly__	(Optional)
TABLE_peer	(Optional) Table with a list of peers
pcc_address	(Optional) Address of the PCC
pce_address	(Optional) Address of the PCE
precedence	(Optional) Configured precedence of the PCE
state	(Optional) State of the PCE connection

Command Mode

- /exec

show srte policy

show srte policy [{ <policy_name_val> } | { color <color_val> endpoint <end_point_val> } | { policy-id <policy_id_val> }] [holddown] [detail] [__readonly__ [TABLE_policy <policy_name> <source> <end_point> <state> <col> <binding_label> <policy_id> [<flags>] [<holddown_time>] [TABLE_pref <pref> [TABLE_paths <exp_path_name> <deleg_pce_addr> [TABLE_index <index> <label>]]]]]

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
color	(Optional) Show policies with the color
endpoint	(Optional) Show Policies with the destination
end_point_val	(Optional) Endpoint for the policy
policy_name_val	(Optional) Policy name of the policy
color_val	(Optional) Color of the policy
policy_id_val	(Optional) Policy_id of the policy
policy-id	(Optional) Show Policy for the policy-id
holddown	(Optional) Show Policies that are in holddown
detail	(Optional) Display detailed information
__readonly__	(Optional)
TABLE_policy	(Optional) Table with a list of policies
policy_name	(Optional) Unique name for the policy
end_point	(Optional) Endpoint for the policy
source	(Optional) Source address of the policy
state	(Optional) State of the policy
col	(Optional) Color of the policy
binding_label	(Optional) Binding label of the policy
policy_id	(Optional) Policy ID
flags	(Optional) Policy Flags
holddown_time	(Optional) Time when the policy was put in holddown

TABLE_pref	(Optional) Table with a list of canditate path based on pref
pref	(Optional) Preference for candidate paths
TABLE_paths	(Optional) Table with a list of exp path for pref
exp_path_name	(Optional) Name of the explicit-path
deleg_pce_addr	(Optional) Delegated PCE Address
TABLE_index	(Optional) Table with a list of index for the exp path
index	(Optional) Index for the explicit path
label	(Optional) Label for the explicit path

Command Mode

- /exec

show srte policy fh

show srte policy fh

Syntax Description

show	Show running system information
srte	Show Segment-Routing Traffic Eng commands
policy	Show existing policies
fh	Show existing policies firsthop state

Command Mode

- /exec

show ssh key

show ssh key [{ dsa [md5] | rsa [md5] | ecdsa | [md5] }] [__readonly__ { TABLE_sessions <key_type> <key_time> <key_data> <key_bitcount> <key_fingerprint> }]

Syntax Description

show	Show running system information
ssh	Show SSH information
key	Show ssh keys
dsa	(Optional) Show dsa ssh keys
rsa	(Optional) Show rsa ssh keys
ecdsa	(Optional) Show ecdsa ssh keys
md5	(Optional) Show Fingerprint in MD5 Format
__readonly__	(Optional)
TABLE_sessions	(Optional) ssh key
key_type	(Optional) keys type
key_time	(Optional) timestamp
key_data	(Optional) ssh key data
key_bitcount	(Optional) bitcount
key_fingerprint	(Optional) fingerprint

Command Mode

- /exec

show ssh server

show ssh server [__readonly__ { operation_status <o_status> }]

Syntax Description

show	Show running system information
ssh	Show SSH information
server	Show whether ssh server is enabled or not
__readonly__	(Optional)
operation_status	(Optional) run-time information about ssh
o_status	(Optional) operational status of ssh server

Command Mode

- /exec

show ssx details

show ssx details [__readonly__ [TABLE_ssx_details
<arp-timer-running><asic-instance><asic-slice><io-srcid> [<packets-sent>]]]

Syntax Description

ssx	Display SSX information
details	Show SSX details
__readonly__	(Optional) Read Only
TABLE_ssx_details	(Optional) SSX details table

Command Mode

- /exec

show ssx exporter

show ssx exporter { all | <exportername> } [__readonly__ [TABLE_ssx_exporters <exporter-name> <src-ip><src-udp-port><dest-ip><dest-udp-port><vrf><mtu><dscp>]]

Syntax Description

ssx	Display SSX information
exporter	Show exporter details
all	All sessions
exportername	SSX Exporter to display
__readonly__	(Optional) Read Only
TABLE_ssx_exporters	(Optional) SSX Exporters table

Command Mode

- /exec

show ssx monitor

show ssx monitor { all | <monitorname> } [__readonly__ [TABLE_ssx_monitors <monitor-name> <globally-applied><status><exportername><recordname>]]

Syntax Description

ssx	Display SSX information
monitor	Show monitor details
all	All sessions
monitorname	SSX Monitor to display
__readonly__	(Optional) Read Only
TABLE_ssx_monitors	(Optional) SSX monitors table

Command Mode

- /exec

show ssx record

show ssx record { all | <recordname> } [__readonly__ [TABLE_ssx_records <record-name> [TABLE_stats_type <stats-type>] <interval>]]

Syntax Description

ssx	Display SSX information
record	Show record details
all	All sessions
recordname	SSX Record to display
__readonly__	(Optional) Read Only
TABLE_ssx_records	(Optional) SSX records table
TABLE_stats_type	(Optional) SSX records stats type table
interval	(Optional) SSX interval

Command Mode

- /exec

show startup-config

show startup-config

Syntax Description

show	Show running system information
startup-config	Current startup configuration

Command Mode

- /exec

show startup-config aaa

show startup-config aaa

Syntax Description

show	show startup-cfg
startup-config	show startup system information
aaa	Display aaa configuration

Command Mode

- /exec

show startup-config acllog

show startup-config acllog [all]

Syntax Description

show	Show running system information
startup-config	Displaying the startup configuration
acllog	show startup config for acllog
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config aclmgr

show startup-config aclmgr [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
aclmgr	show startup config for aclmgr
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config adjmgr

show startup-config adjmgr [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
adjmgr	Display adjmgr information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config amt

show startup-config amt [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
amt	Display amt information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config arp

show startup-config arp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
arp	Display arp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config assoc

show startup-config assoc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
assoc	Original ID to Translated ID Association
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config backup

show startup-config { backup | flexlink } [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
backup	Show startup config for Switchport Backup
flexlink	Show startup config for Switchport Backup
all	(Optional) Show config with defaults

Command Mode

- /exec

show startup-config bfd

show startup-config bfd [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
bfd	show startup config for bfd
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config bgp

show startup-config bgp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
bgp	Display bgp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config bloggerd

show startup-config bloggerd [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
bloggerd	Display bloggerd configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config callhome

show startup-config callhome

Syntax Description

show	show startup-cfg
startup-config	show startup system information
callhome	Display callhome configuration

Command Mode

- /exec

show startup-config catena

show startup-config catena

Syntax Description

show	show startup-cfg
startup-config	show startup system information
catena	catena instances

Command Mode

- /exec

show startup-config cdp

show startup-config cdp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
cdp	Display cdp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config cert-enroll

show startup-config cert-enroll

Syntax Description

show	show startup-cfg
startup-config	show startup system information
cert-enroll	Display certificates configuration

Command Mode

- /exec

show startup-config cfs

show startup-config cfs [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
cfs	Display cfs configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config config-profile

show startup-config config-profile [<all_conf_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
config-profile	Display port-profile configuration
all_conf_profile_name	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config copp

show startup-config copp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
copp	Control-Plane Policing
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config dhcp

show startup-config dhcp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
dhcp	Display dhcp snoop configurations
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config diagnostic

show startup-config diagnostic [all]

Syntax Description

show	Show running system information
startup-config	Contents of startup configuration
diagnostic	Diagnostic configuration
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config dot1x

show startup-config dot1x

Syntax Description

show	show startup-cfg
startup-config	show startup system information
dot1x	Display dot1x configuration

Command Mode

- /exec

show startup-config ecp

show startup-config ecp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ecp	ECP (Edge Control Protocol)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config eem

show startup-config eem

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
eem	Show the event manager startup configuration

Command Mode

- /exec

show startup-config eigrp

show startup-config eigrp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eigrp	Display eigrp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config eltm

show startup-config eltm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
eltm	Display eltm configurations

Command Mode

- /exec

show startup-config evb

show startup-config evb [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
evb	EVB (Edge Virtual Bridge)
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config exclude

show startup-config exclude <feature-list> +

Syntax Description

show	Show running system information
startup-config	Current startup configuration
exclude	Exclude startup configuration of specified features
feature-list	Exclude features

Command Mode

- /exec

show startup-config expand-port-profile

show startup-config expand-port-profile

Syntax Description

show	Show running system information
startup-config	System startup-config commands
expand-port-profile	Expand port profile

Command Mode

- /exec

show startup-config fabric forwarding

show startup-config fabric forwarding [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fabric multicast

show startup-config fabric multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
fabric	Fabric
multicast	Multicast information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config fcoe_mgr

show startup-config fcoe_mgr

Syntax Description

show	show startup-cfg
startup-config	show startup system information
fcoe_mgr	Display fcoe_mgr configuration

Command Mode

- /exec

show startup-config hardware-telemetry

show startup-config hardware-telemetry [all]

Syntax Description

startup-config	Current startup configuration
hardware-telemetry	show startup config for hardware-telemetry
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config hsrp

show startup-config hsrp

Syntax Description

show	Show system information
startup-config	System startup configuration
hsrp	HSRP startup configuration

Command Mode

- /exec

show startup-config icam

show startup-config icam

Syntax Description

show	show startup-cfg
startup-config	show startup system information
icam	icam services

Command Mode

- /exec

show startup-config icmpv6

show startup-config icmpv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
icmpv6	Display icmpv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config igmp

show startup-config igmp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
igmp	Display igmp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config imp

show startup-config imp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
imp	Display imp information
all	(Optional) Display start config with defaults clis

Command Mode

- /exec

show startup-config interface

show startup-config interface <if0> [membership] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
if0	interface type and number in module/slot format
membership	(Optional) Show membership information
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config interface

show startup-config interface [<if0>] [expand-port-profile]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
interface	Interface configuration
if0	(Optional) interface type and number in module/slot format
expand-port-profile	(Optional) Expand port profile

Command Mode

- /exec

show startup-config ip

show startup-config ip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ip	Display ip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ipqos

show startup-config ipqos [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config ipv6

show startup-config ipv6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ipv6	Display ipv6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config isis

show startup-config isis [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
isis	Display isis information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config l3vm

show startup-config l3vm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
l3vm	Display l3vm information
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config ldap

show startup-config ldap

Syntax Description

show	show startup-cfg
startup-config	show startup system information
ldap	Display ldap configuration

Command Mode

- /exec

show startup-config license

show startup-config license [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
license	Display licensing configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config lldp

show startup-config lldp [all]

Syntax Description

show	show startup-cfg
startup-config	show system startup configuration information
lldp	Display lldp configuration
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config log

show startup-config { log | mdp-log } [bootstrap]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mdp-log	Displays execution log of last used mdp ascii startup configuration
log	Displays execution log of last used ascii startup configuration
bootstrap	(Optional) Bootstrap config replay execution log

Command Mode

- /exec

show startup-config macsec

show startup-config macsec

Syntax Description

show	Show running system information
startup-config	show startup system information
macsec	Show CTS information

Command Mode

- /exec

show startup-config mmode

show startup-config mmode [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
mmode	Display maintenance mode startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config monitor

show startup-config monitor

Syntax Description

show	Show running system information
startup-config	Current startup configuration
monitor	Configure Ethernet SPAN sessions

Command Mode

- /exec

show startup-config mpls static

show startup-config mpls static [all]

Syntax Description

show	Show running system information
startup-config	Current operating configuration
mpls	Display MPLS status and configuration
static	Static Label Bindings
all	(Optional) Display running-config with defaults

Command Mode

- /exec

show startup-config mpls strip

show startup-config mpls strip [all]

Syntax Description

show	Show running system information
mpls	Configure MPLS settings
strip	Stripping of MPLS headers
startup-config	System startup configuration
all	(Optional) Show startup configuration for STRIPCL with defaults

Command Mode

- /exec

show startup-config mpls traffic-eng

show startup-config mpls traffic-eng [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
mpls	show startup config for mpls features
traffic-eng	show startup-config for Traffic Engineering
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config msdp

show startup-config msdp [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
msdp	Display msdp information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config nat

show startup-config nat [all]

Syntax Description

show	Show system information
startup-config	Display the startup configuration
nat	show startup config for nat
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config nbm

show startup-config nbm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
nbm	Non Blocking Multicast

Command Mode

- /exec

show startup-config netflow

show startup-config { netflow | nfm } [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
netflow	Show NetFlow configuration
nfm	Show NFM configuration
all	(Optional) Show NFM config with defaults

Command Mode

- /exec

show startup-config ngoam

show startup-config ngoam

Syntax Description

show	Show running system information
startup-config	Show startup system information
ngoam	ngoam configuration

Command Mode

- /exec

show startup-config ntp

show startup-config ntp [all]

Syntax Description

show	Show information
startup-config	Show startup system configuration
ntp	Show NTP information
all	(Optional) Show all NTP startup configuration

Command Mode

- /exec

show startup-config nv overlay

show startup-config nv overlay [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
nv	NVE startup configuration
overlay	NVE startup configuration
all	(Optional) Show NVE config with defaults

Command Mode

- /exec

show startup-config nxsdk

show startup-config nxsdk [all]

Syntax Description

show	Show running system information
startup-config	Display the startup configuration
nxsdk	NXOS SDK
all	(Optional) Display running config with defaults

Command Mode

- /exec

show startup-config openflow

show startup-config openflow [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
openflow	Show startup config for OpenFlow
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config ospf

show startup-config ospf [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospf	Display ospf information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config ospfv3

show startup-config ospfv3 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
ospfv3	Display ospfv3 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config param-list

show startup-config param-list [<plistname>]

Syntax Description

show	Show startup-cfg
startup-config	show startup configuration
param-list	Display param-list configuration
plistname	(Optional) Enter the name of the param list

Command Mode

- /exec

show startup-config pim

show startup-config pim [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim	Display pim information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config pim6

show startup-config pim6 [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
pim6	Display pim6 information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config plb-services

show startup-config plb-services

Syntax Description

show	show startup-cfg
startup-config	show startup system information
plb-services	PLB services

Command Mode

- /exec

show startup-config poe

show startup-config poe [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
poe	Power over Ethernet
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config port-profile

show startup-config port-profile [<all_profile_name>]

Syntax Description

show	Show startup-config
startup-config	Current startup configuration
port-profile	Display port-profile configuration
all_profile_name	(Optional) Enter the name of the profile

Command Mode

- /exec

show startup-config port-security

show startup-config port-security [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
port-security	Display port-security configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config ptp

show startup-config ptp [all]

Syntax Description

startup-config	Current startup configuration
ptp	show startup config for ptp
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config radius

show startup-config radius

Syntax Description

show	show startup-cfg
startup-config	show startup system information
radius	Display radius configuration

Command Mode

- /exec

show startup-config rip

show startup-config rip [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rip	Display rip information
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config routing ip multicast

show startup-config routing { ip | ipv4 } multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ip	Display IP information
ipv4	Display IP information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config routing ipv6 multicast

show startup-config routing ipv6 multicast [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display multicast information
all	(Optional) Display startup config with defaults clis

Command Mode

- /exec

show startup-config rpm

show startup-config rpm [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
rpm	Display Route Policy Manager (RPM) information
all	(Optional) Display startup config with defaults

Command Mode

- /exec

show startup-config security

show startup-config security

Syntax Description

show	show startup-cfg
startup-config	show startup system information
security	Display security configuration

Command Mode

- /exec

show startup-config segment-routing

show startup-config segment-routing [all]

Syntax Description

show	Show running system information
startup-config	Show startup configuration
segment-routing	Display segment-routing startup configuration
all	(Optional) Show startup config with defaults

Command Mode

- /exec

show startup-config services

show startup-config services

Syntax Description

show	show startup-cfg
startup-config	show startup system information
services	services

Command Mode

- /exec

show startup-config sflow

show startup-config sflow [all]

Syntax Description

startup-config	Current startup configuration
sflow	show startup config for sflow
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config sla responder

show startup-config sla responder

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
responder	Show information about sla-responder

Command Mode

- /exec

show startup-config sla sender

show startup-config sla sender

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
sender	Show information about sla-sender

Command Mode

- /exec

show startup-config sla twamp-server

show startup-config sla twamp-server

Syntax Description

show	show startup-cfg
startup-config	show startup system information
sla	Service Level Agreement (SLA)
twamp-server	Show information about twamp-server

Command Mode

- /exec

show startup-config smart-channel

show startup-config smart-channel

Syntax Description

show	show startup-cfg
startup-config	show startup system information
smart-channel	smart-channel services

Command Mode

- /exec

show startup-config snmp

show startup-config snmp [all]

Syntax Description

show	show startup-cfg
startup-config	show startup system information
snmp	Display snmp configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config srte

show startup-config srte

Syntax Description

show	Show running system information
startup-config	Current operating configuration
srte	SRTE

Command Mode

- /exec

show startup-config switch

show startup-config { switch-profile | include-switch-profile }

Syntax Description

show	Show running system information
startup-config	System startup configuration
switch-profile	Show switch-profile information
include-switch-profile	Show startup and switch-profile configuration

Command Mode

- /exec

show startup-config tacacs

show startup-config tacacs +

Syntax Description

show	show startup-cfg
startup-config	show startup system information

Command Mode

- /exec

show startup-config telemetry

show startup-config telemetry [all]

Syntax Description

show	show startup system configuration
startup-config	show startup system information
telemetry	Display telemetry configuration
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config track

show startup-config track

Syntax Description

show	Show running system information
startup-config	Show the system startup configuration
track	Show the track startup configuration

Command Mode

- /exec

show startup-config udld

show startup-config udld

Syntax Description

show	Show running system information
startup-config	Current startup configuration
udld	Show udld configuration

Command Mode

- /exec

show startup-config vdc-all

show startup-config vdc-all

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vdc-all	Display config from all VDC

Command Mode

- /exec

show startup-config vdc

show startup-config vdc [all]

Syntax Description

show	Show running system information
startup-config	Current saved configuration
vdc	Show Virtual Device Contexts
all	(Optional) show startup config with defaults

Command Mode

- /exec

show startup-config virtual-service

show startup-config virtual-service

Syntax Description

show	Show running system information
startup-config	System startup-config commands
virtual-service	Show startup config for virtualization services

Command Mode

- /exec

show startup-config vlan

show startup-config vlan <vlan-id>

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19

Command Mode

- /exec

show startup-config vlan

show startup-config vlan

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vlan	Vlan commands

Command Mode

- /exec

show startup-config vmtracker

show startup-config vmtracker [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vmtracker	Show VMTracker configuration
all	(Optional) Show VMTracker config with defaults

Command Mode

- /exec

show startup-config vpc

show startup-config vpc [all]

Syntax Description

startup-config	Current startup configuration
vpc	show startup config for vPC
all	(Optional) show running config with defaults

Command Mode

- /exec

show startup-config vrf

show startup-config vrf <vrf-cfg-name> [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
vrf-cfg-name	Configurable VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrf default

show startup-config vrf default [all]

Syntax Description

show	Show running system information
startup-config	Current startup configuration
vrf	Display VRF information
default	Known VRF name
all	(Optional) Display running config with defaults clis

Command Mode

- /exec

show startup-config vrrpv3

show startup-config vrrpv3 [all]

Syntax Description

show	Show system information
startup-config	System startup configuration
vrrpv3	VRRPv3 startup configuration
all	(Optional) show startup config of VRRPv3 with defaults

Command Mode

- /exec

show startup-config vshd

show startup-config vshd

Syntax Description

show	Show startup system information
startup-config	Current startup configuration
vshd	Show startup config for vshd

Command Mode

- /exec

show startup-config vtp

show startup-config vtp [all]

Syntax Description

show	Show running system information
startup-config	System startup-config commands
vtp	Show startup configuration for VTP
all	(Optional) Show startup configuration for VTP with defaults

Command Mode

- /exec

show startup-config wwnm

show startup-config wwnm

Syntax Description

show	Show running system information
startup-config	Current startup configuration
wwnm	Display WWN Manager startup configuration

Command Mode

- /exec

show summary

show { ip mbgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] | ip bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] all | ip bgp [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }] [ipv4 [{ unicast | multicast }]] } summary [vrf { <vrf-name> | <vrf-known-name> | ALL_VRFS_012345678901234 }]

Syntax Description

show	Show running system information
ip	Display IP information
bgp	Display BGP status and configuration
mbgp	Display MBGP status and configuration
vrf	(Optional) Virtual Router Context
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
summary	Display summarized information of BGP state
ipv4	(Optional) Display BGP information for IPv4 address family
unicast	(Optional) Display BGP information for unicast address family
multicast	(Optional) Display BGP information for multicast address family
all	Display BGP information for all address families

Command Mode

- /exec

show sup-monitor drops session

show sup-monitor drops session <session_number> [module <module>]

Syntax Description

show	Show running system information
sup-monitor	Show Ethernet SPAN information
drops	show drop count
session	Show session info
session_number	
module	(Optional) Slot/module
module	(Optional) Slot/module number

Command Mode

- /exec

show switch-profile

show switch-profile [<profile-name>] { session-history | status commit } [__readonly__ <prof-name> TABLE_session <session_index> <start_usec> <start_time> <end_usec> <end_time> <revision_number> <session_type> <session_subtype> <peer_triggered> [<profile_status>] [<local_status>] [<local_error>] [<peer_address>] [<peer_sync_status>] [<merge_flags>] [<remote_status>] [<remote_error>]]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
session-history	Switch-profile session-history
profile-name	(Optional) switch-profile name
status	Switch-profile sync status
commit	Switch-profile last commit status
__readonly__	(Optional)
prof-name	(Optional)
TABLE_session	(Optional)
session_index	(Optional)
start_usec	(Optional)
start_time	(Optional)
end_usec	(Optional)
end_time	(Optional)
revision_number	(Optional)
session_type	(Optional)
session_subtype	(Optional)
peer_triggered	(Optional)
profile_status	(Optional)
local_status	(Optional)
local_error	(Optional)
peer_address	(Optional)
peer_sync_status	(Optional)

merge_flags	(Optional)
remote_status	(Optional)
remote_error	(Optional)

Command Mode

- /exec

show switch-profile

show switch-profile [__readonly__ <profile_name> <cfg_rev>]

Syntax Description

show	Show running system information
switch-profile	Show switch-profiles
__readonly__	(Optional)
profile_name	(Optional)
cfg_rev	(Optional)

Command Mode

- /exec

show switch-profile buffer

show switch-profile [<profile-name>] buffer [__readonly__ <prof-name> [TABLE_commands <seq_no> [<cmd>] +]]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
buffer	buffered commands
profile-name	(Optional) switch-profile name
__readonly__	(Optional)
prof-name	(Optional)
TABLE_commands	(Optional)
seq_no	(Optional)
cmd	(Optional)

Command Mode

- /exec

show switch-profile peer

show switch-profile [<profile-name>] peer [<dest-ip>] [details] [__readonly__ <prof-name> [<rev>] [<peer_address>] [<peer_sync_status>] [<merge_flags>] [<remote_status>] [<remote_error>] [<cmd>] +]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
profile-name	(Optional) switch-profile name
peer	peer info
dest-ip	(Optional) IPv4 address (A.B.C.D) of destination
details	(Optional) information in detail
__readonly__	(Optional)
prof-name	(Optional)
rev	(Optional)
peer_address	(Optional)
peer_sync_status	(Optional)
merge_flags	(Optional)
remote_status	(Optional)
remote_error	(Optional)
cmd	(Optional)

Command Mode

- /exec

show switch-profile status

show switch-profile [<profile-name>] status [__readonly__ <prof-name> <start_usec> <start_time> <end_usec> <end_time> <revision_number> <session_type> [<session_subtype>] <peer_triggered> <profile_status> <local_status> <local_error> [<peer_address>] [<peer_sync_status>] [<merge_flags>] [<remote_status>] [<remote_error>]]

Syntax Description

show	Show running system information
switch-profile	Show switch-profile
status	Switch-profile sync status
profile-name	(Optional) switch-profile name
__readonly__	(Optional)
prof-name	(Optional)
start_usec	(Optional)
start_time	(Optional)
end_usec	(Optional)
end_time	(Optional)
revision_number	(Optional)
session_type	(Optional)
session_subtype	(Optional)
peer_triggered	(Optional)
profile_status	(Optional)
local_status	(Optional)
local_error	(Optional)
peer_address	(Optional)
peer_sync_status	(Optional)
merge_flags	(Optional)
remote_status	(Optional)
remote_error	(Optional)

Command Mode

- /exec

show switch-scope controller

show switch-scope controller

Syntax Description

show	Show running system information
switch-scope	switch-scope
controller	Controller command

Command Mode

- /exec

show switching-mode

show switching-mode [__readonly__ TABLE_switching_mode <switching-mode-desc>]

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
__readonly__	(Optional)
TABLE_switching_mode	(Optional) the xml switching_mode configuration
switching-mode-desc	(Optional) switching mode description

Command Mode

- /exec

show switching-mode fabric-speed

show switching-mode fabric-speed [__readonly__ TABLE_switching_mode <switching-mode-desc>]

Syntax Description

show	Show running system information
switching-mode	Show the operating switching mode
__readonly__	(Optional)
TABLE_switching_mode	(Optional) the xml switching_mode configuration
switching-mode-desc	(Optional) switching mode description
fabric-speed	Show the fabric speed

Command Mode

- /exec

show system acl

show system acl [__readonly__ TABLE_system_acl <protocol> [TABLE_type <type> <acl_name> <inout>]]

Syntax Description

show	Show running system information
system	System management commands
acl	ACL parameters
__readonly__	(Optional)
TABLE_system_acl	(Optional)
protocol	(Optional) protocol
TABLE_type	(Optional)
type	(Optional) type
acl_name	(Optional)
inout	(Optional) Traffic direction

Command Mode

- /exec

show system auto-collect tech-support

show system auto-collect tech-support [__readonly__ <result>]

Syntax Description

show	Show running system information
system	System management commands
auto-collect	Auto collection of information
tech-support	Collect tech-support in case of service causing supervisor reset
__readonly__	(Optional)
result	(Optional) show tech collection enable status

Command Mode

- /exec

show system boottime

show system boottime [__readonly__ { TABLE_uptimeinf <slot> <starttime> <daysup> <hoursup> <minutesup> <secondsup> }]

Syntax Description

show	Show running system information
system	System-related show commands
boottime	Show platform boot time of each mdoule
__readonly__	(Optional)
TABLE_uptimeinf	(Optional) Show uptime info
slot	(Optional) Slot
starttime	(Optional) Start Time
daysup	(Optional) Days Up
hoursup	(Optional) Hours Up
minutesup	(Optional) Minutes Up
secondsup	(Optional) Seconds Up

Command Mode

- /exec

show system clis event-history

show system [internal] clis event-history { nvdb | client | errors | parser | ha | cli | objstr | objstr-errors }

Syntax Description

show	Display output
system	System-related show commands
internal	(Optional) Commands for internal use
clis	cli server
event-history	Event history logs for clis
nvdb	Log of NVDB and PSS events
client	Log of client interaction events
errors	Log of errors
parser	Log of parser events
ha	Log of ha events
cli	Log of command events
objstr	Log of Object Store events
objstr-errors	Log of Object Store error events

Command Mode

- /exec

show system config reload-pending

show system config reload-pending [__readonly__ { TABLE_reload_pending <cmds_list> }]

Syntax Description

show	Show running system information
system	System-related show commands
config	Config commands which require reload
reload-pending	Commands which require a reload
__readonly__	(Optional)
TABLE_reload_pending	(Optional) reload pending commands list
cmds_list	(Optional) cmds_list

Command Mode

- /exec

show system cores

show system cores [__readonly__ { <content> }]

Syntax Description

show	Show running system information
system	System-related show commands
cores	Displays core transfer option
__readonly__	(Optional)
content	(Optional) Core transfer option

Command Mode

- /exec

show system default switchport

show system default switchport [__readonly__ <sys_def_port_state> <sys_def_trunk_mode> <sys_def_link_fail_syslog_level> <sys_def_tx_credit_queue_type>]

Syntax Description

show	Show running system information
__readonly__	(Optional) read only
sys_def_port_state	(Optional) System default port state
sys_def_trunk_mode	(Optional) System default trunk mode
sys_def_link_fail_syslog_level	(Optional) System default link failure syslog logging level
sys_def_tx_credit_queue_type	(Optional) System default tx credit queue type
system	System-related show commands
default	Show system default values
switchport	Show default values for switchport attributes

Command Mode

- /exec

show system dme status

show system dme status [__readonly__ <dme-status>]

Syntax Description

show	Show running system information
system	System-related show commands
dme	Display dme information
status	Display dme enable/disable status information
__readonly__	(Optional)
dme-status	(Optional) DME enable/disable status

Command Mode

- /exec

show system error-id

show system error-id { list | <i0> } [__readonly__ <errorid> <facility> <desc>]

Syntax Description

show	Show running system information
system	System-related show commands
error-id	Show description about errors
list	Show description about all error IDs
i0	Show description about specific error
__readonly__	(Optional)
errorid	(Optional)
facility	(Optional)
desc	(Optional)

Command Mode

- /exec

show system exception-info

show system exception-info [__readonly__ { TABLE_exception { <second> <panic_data> <register_data> <stack_pointer> <stack_depth> <stack_timestamp> <stacl_magic> <hdr_length> <stack_data> <pre_usec> <pre_sec> <int_t> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
exception-info	Show last exception log information
__readonly__	(Optional)
TABLE_exception	(Optional)
second	(Optional) Time of exception
panic_data	(Optional) Panic information dump
register_data	(Optional) CPU register dump
stack_pointer	(Optional) Current Stack-pointer
stack_depth	(Optional) Current Stack-depth
stack_timestamp	(Optional) Stack dump timestamp
stacl_magic	(Optional) Stack Magic
hdr_length	(Optional) Hdr length
stack_data	(Optional) Stack Dump
pre_usec	(Optional)
pre_sec	(Optional)
int_t	(Optional)
reason	(Optional) Reason
service	(Optional) Service
version	(Optional) Version

Command Mode

- /exec

show system fabric-mode

show system fabric-mode [__readonly__ TABLE_system_fabric_mode <system-fabric-mode-desc>]

Syntax Description

show	Show running system information
system	Show system information
fabric-mode	Show the fabric operation mode information
__readonly__	(Optional)
TABLE_system_fabric_mode	(Optional) the xml system_fabric_mode configuration
system-fabric-mode-desc	(Optional) system fabric mode description

Command Mode

- /exec

show system fast-reload stabilization-timer

show system fast-reload stabilization-timer [__readonly__ { <timer_val> }]

Syntax Description

show	Show running system information
system	System management commands
fast-reload	fast-reload software
stabilization-timer	Network stabilization time in seconds before fast-reload can be executed after the previous reload
__readonly__	(Optional) Read Only
timer_val	(Optional) XML attribute for timer value

Command Mode

- /exec

show system inband queuing statistics

show system inband queuing statistics [__readonly__ { TABLE_sys_inband_queue_stats <inbandpktunmap> <inbandpktbpduqueue> <inbandpktmapq0> <inbandpktmapq1> <klmpktmapbpdu> <klmpktmaparp> <klmpktmapq0> <klmpktmapq1> <klmpktmapveobc> <queuename> [TABLE_bpdu_stats { <pmrecvpkts> <pmdroppkts> <pmcongested> <rcvbuf> <sndbuf> <pmnodrop> }] [TABLE_q_stats { <indexstat> <ipmrecvpkts> <ipmdroppkts> <ipmcongested> <ircvbuf> <isndbuf> <ipmnodrop> }] }]

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
statistics	Inband statistics
__readonly__	(Optional)
TABLE_sys_inband_queue_stats	(Optional) System Inband Statistics
inbandpktunmap	(Optional) Inband packets unmapped
inbandpktbpduqueue	(Optional) Inband packets mapped to bpdu
inbandpktmapq0	(Optional) Inband packets mapped to q0
inbandpktmapq1	(Optional) Inband packets mapped to q1
klmpktmapbpdu	(Optional) In KLM packets mapped to bpdu
klmpktmaparp	(Optional) In KLM packets mapped to arp
klmpktmapq0	(Optional) In KLM packets mapped to q0
klmpktmapq1	(Optional) In KLM packets mapped to q1
klmpktmapveobc	(Optional) In KLM packets mapped to veobc
queuename	(Optional) Inband queue name
TABLE_bpdu_stats	(Optional) BPDU Statistics
pmrecvpkts	(Optional) BPDU Receive Packets
pmdroppkts	(Optional) BPDU Drop Packets
pmcongested	(Optional) BPDU Congested
rcvbuf	(Optional) BPDU Receive Buffer
sndbuf	(Optional) BPDU Send Buffer

pmnodrop	(Optional) BPDU No drop
TABLE_q_stats	(Optional) Queue Statistics
indexstat	(Optional) Queue Index
ipmrecvpkts	(Optional) Queue receive packets
ipmdroppkts	(Optional) Queue drop packets
ipmcongested	(Optional) Queue Congested
ircvbuf	(Optional) Queue receive buffer
isndbuf	(Optional) Queue send buffer
ipmnodrop	(Optional) Queue no drop

Command Mode

- /exec

show system inband queuing status

show system inband queuing status [__readonly__ [{ TABLE_sys_inband_queue_status <pminbandweigh0> <pminbandweigh1> <pminbandweigh2> }]]

Syntax Description

show	Show running system information
system	System-related show commands
inband	Inband Commands
queuing	Inband Queuing commands
status	Selective Packet Discard Information
__readonly__	(Optional)
TABLE_sys_inband_queue_status	(Optional) System Inband Status
pminbandweigh0	(Optional) BPDU Weight
pminbandweigh1	(Optional) Q0 Weight
pminbandweigh2	(Optional) Q1 Weight

Command Mode

- /exec

show system kgdb

show system kgdb

Syntax Description

show	Show running system information
system	System-related show commands
kgdb	Displays state of kgdb_enable flag

Command Mode

- /exec

show system login

show system login [__readonly__ [[<acc_list>] [<attempts>]] [<within> <block_for> <time>] [<fail_count>] [<switch_mode>]]

Syntax Description

show	Show running system information
system	System-related show commands
login	Display Secure Login Configurations and State
__readonly__	(Optional)
acc_list	(Optional) Appiled ACL's
attempts	(Optional) Number of login failures
within	(Optional) Number of login failures within time
block_for	(Optional) Login disabled for time
time	(Optional) Time remaining to re-enble login
fail_count	(Optional) Login failure count
switch_mode	(Optional) Mode of operation

Command Mode

- /exec

show system login failures

show system login failures [__readonly__ [{ TABLE_loginStats <username> <port> <remote_addr> <app_name> <time> }]]

Syntax Description

show	Show running system information
system	System-related show commands
login	Secure Login
failures	Display Login failures in the current watch period
__readonly__	(Optional)
TABLE_loginStats	(Optional)
username	(Optional) User name
port	(Optional) Login port number
remote_addr	(Optional) Remote address
app_name	(Optional) Application name
time	(Optional) Login time

Command Mode

- /exec

show system memory-thresholds

show system memory-thresholds [__readonly__ <critical_mem_threshold> <severe_mem_threshold> <minor_mem_threshold>]

Syntax Description

show	Show running system information
__readonly__	(Optional)
critical_mem_threshold	(Optional) Critical System Memory Threshold
severe_mem_threshold	(Optional) Severe System Memory Threshold
minor_mem_threshold	(Optional) Minor System Memory Threshold
system	System management commands
memory-thresholds	Set memory thresholds on the card

Command Mode

- /exec

show system mode

show system mode [__readonly__ <system_mode> [<timer_state>]]

Syntax Description

show	Show running system information
system	System configuration commands
mode	Show system mode
__readonly__	(Optional)
system_mode	(Optional) system mode
timer_state	(Optional) timer state

Command Mode

- /exec

show system nve infra-vlans

show system nve infra-vlans [__readonly__ [current_active_vlan <active_vlan_output>] { available_infra_vlan <available_vlan_output> }]

Syntax Description

show	Show running system information
system	System-related show commands
nve	Show NVE information
infra-vlans	Show NVE infra-vlans related information
__readonly__	(Optional)
current_active_vlan	(Optional) Current Active Infra Vlan
active_vlan_output	(Optional) Current active infra vlan output
available_infra_vlan	(Optional) Available Infra Vlan
available_vlan_output	(Optional) Available Infra Vlan output

Command Mode

- /exec

show system pss shrink status

show system pss shrink status [details] [__readonly__ { [<summary>] [TABLE_per_vdc <vdc_id> [TABLE_detail_events <service> <vdc> <event>]] [TABLE_events <service> <vdc> <event>] }]

Syntax Description

show	Show running system information
system	System-related show commands
pss	Displays last pss shrink status
shrink	Displays last pss shrink status
status	Displays last pss shrink status
details	(Optional) Displays last pss shrink status details
__readonly__	(Optional)
summary	(Optional) PSS shrink summary
TABLE_per_vdc	(Optional)
vdc_id	(Optional) VDC id
TABLE_detail_events	(Optional) PSS shrink events
service	(Optional) Service name
vdc	(Optional) VDC number
event	(Optional) PSS evnets
TABLE_events	(Optional) PSS shrink events
service	(Optional) Service name
vdc	(Optional) VDC number
event	(Optional) PSS evnets

Command Mode

- /exec

show system redundancy ha status

show system redundancy ha status [__readonly__ { [TABLE_ha_status <vdc_id> <this_sup_internal_state> <other_sup_internal_state>] }]

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
ha	vdc redundancy status
status	all vdc redundancy status
__readonly__	(Optional)
TABLE_ha_status	(Optional) HA status for all vdcs
vdc_id	(Optional) vdc id
this_sup_internal_state	(Optional) This Supervisor State
other_sup_internal_state	(Optional) Remote Supervisor State

Command Mode

- /exec

show system redundancy status

show system redundancy status [__readonly__ { <rdn_mode_admin> <rdn_mode_oper> <this_sup> <this_sup_rdn_state> <this_sup_sup_state> <this_sup_internal_state> [<other_sup>] [<other_sup_rdn_state>] [<other_sup_sup_state>] [<other_sup_internal_state>] }]

Syntax Description

show	Show running system information
system	System-related show commands
redundancy	redundancy status
status	Current redundancy status
__readonly__	(Optional) readonly
rdn_mode_admin	(Optional) Redundancy Mode Admin
rdn_mode_oper	(Optional) Redundancy Mode Operational
this_sup	(Optional) This Supervisor
this_sup_rdn_state	(Optional) Redundancy State
this_sup_sup_state	(Optional) Supervisor State
this_sup_internal_state	(Optional) Supervisor State
other_sup	(Optional) Other Supervisor
other_sup_sup_state	(Optional) Supervisor State
other_sup_rdn_state	(Optional) Redundancy tate
other_sup_internal_state	(Optional) Supervisor State

Command Mode

- /exec

show system reset-reason

show system reset-reason [__readonly__ { TABLE_reason <slot> { TABLE_rr <time> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
__readonly__	(Optional)
TABLE_reason	(Optional) Reset reason info
slot	(Optional) slot
TABLE_rr	(Optional) reset reason
time	(Optional) time
reason	(Optional) reset reason
service	(Optional) service name
version	(Optional) version

Command Mode

- /exec

show system reset-reason

show system reset-reason <s0> <santa-cruz-range> [__readonly__ { TABLE_xbarreason <slot> { TABLE_rr <time> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
s0	Show xbar module reset reason
santa-cruz-range	please enter the xbar module number
__readonly__	(Optional)
TABLE_xbarreason	(Optional) Reset reason info
slot	(Optional) slot
TABLE_rr	(Optional) reset reason
time	(Optional) time
reason	(Optional) reset reason
service	(Optional) service name
version	(Optional) version

Command Mode

- /exec

show system reset-reason module

show system reset-reason module <module> [__readonly__ { TABLE_reason <slot> { TABLE_rr <time> <reason> <service> <version> } }]

Syntax Description

show	Show running system information
system	System-related show commands
reset-reason	Show last reset reason
module	Show per module reset-reason code
module	please enter module number
__readonly__	(Optional)
TABLE_reason	(Optional) Reset reason info
slot	(Optional) slot
TABLE_rr	(Optional) reset reason
time	(Optional) time
reason	(Optional) reset reason
service	(Optional) service name
version	(Optional) version

Command Mode

- /exec

show system resources

show system resources <i0>

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	time interval in seconds

Command Mode

- /exec

show system resources

show system resources [__readonly__ { [<load_avg_1min>] [<load_avg_5min>] [<load_avg_15min>] [<processes_total>] [<processes_running>] [<cpu_state_user>] [<cpu_state_kernel>] [<cpu_state_idle>] [TABLE_cpu_usage <cpuid> <user> <kernel> <idle>] [<memory_usage_total>] [<memory_usage_used>] [<memory_usage_free>] [<current_memory_status>] }]

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
__readonly__	(Optional)
TABLE_cpu_usage	(Optional) All Cpu Usage Information
load_avg_1min	(Optional) Load Average 1 Min
load_avg_5min	(Optional) Load Average 5 Min
load_avg_15min	(Optional) Load Average 15 Min
processes_total	(Optional) Total processes
processes_running	(Optional) Running Processes
cpu_state_user	(Optional) CPU State User
cpu_state_kernel	(Optional) CPU State Kernel
cpu_state_idle	(Optional) CPU State Idle
cpuid	(Optional) CPU id
user	(Optional) user time
kernel	(Optional) kernel time
idle	(Optional) idle time
memory_usage_total	(Optional) Memory Usage Total
memory_usage_used	(Optional) Memory Usage Used
memory_usage_free	(Optional) Memory Usage Free
current_memory_status	(Optional) Current Memory Status

Command Mode

- /exec

show system resources module

show system resources [<i0>] module <module>

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	(Optional) time interval in seconds
module	Show system resources for specified module
module	module number

Command Mode

- /exec

show system resources module all

show system resources [<i0>] module all [__readonly__ { TABLE_cpuinfo <sts_msg1> <cpu_5sec> <cpu_1min> <cpu_5min> } { TABLE_meminfo <sts_msg2> <mem_module> <mem_total> <mem_free> <mem_used> }]

Syntax Description

show	Show running system information
system	System-related show commands
resources	Show system resources
i0	(Optional) time interval in seconds
module	Show system resources for specified module
all	Show system resources for all modules
__readonly__	(Optional)
TABLE_cpuinfo	(Optional)
sts_msg1	(Optional)
cpu_5sec	(Optional)
cpu_1min	(Optional)
cpu_5min	(Optional)
TABLE_meminfo	(Optional)
sts_msg2	(Optional)
mem_module	(Optional)
mem_total	(Optional)
mem_free	(Optional)
mem_used	(Optional)

Command Mode

- /exec

show system routing mode

show system routing mode [__readonly__ TABLE_system_routing_mode { [<configured-sys-routing-mode>] [<applied-sys-routing-mode>] [<svi-hardware-flood-mode>] [<routing-perf-mode>] [<mrouting-perf-mode>] }]

Syntax Description

show	Show running system information
system	Show system information
routing	Show routing related information
mode	Show mode related information
__readonly__	(Optional)
TABLE_system_routing_mode	(Optional) the xml system_routing_mode configuration
configured-sys-routing-mode	(Optional) Configured system routing mode description
applied-sys-routing-mode	(Optional) Applied system routing mode description
svi-hardware-flood-mode	(Optional) Configured SVI hardware flood mode description
routing-perf-mode	(Optional) Applied System Routing Performance Mode description
mrouting-perf-mode	(Optional) Applied System Mrouting Performance Mode

Command Mode

- /exec

show system srg

show system srg

Syntax Description

show	Show running system information
system	System-related show commands
srg	Displays the system SRG

Command Mode

- /exec

show system standby manual-boot

show system standby manual-boot [__readonly__ { <content> }]

Syntax Description

show	Show running system information
system	System-related show commands
standby	Displays system standby manual boot option
manual-boot	Displays system standby manual boot option
__readonly__	(Optional)
content	(Optional) Displays system standby manual boot option

Command Mode

- /exec

show system switch-mode

show system switch-mode [__readonly__ <op_mode>]

Syntax Description

show	Show running system information
system	System-related show commands
switch-mode	Show current operational mode of the switch
__readonly__	(Optional)
op_mode	(Optional) Operational Mode

Command Mode

- /exec

show system switchover impact

show system switchover impact [<uri0> [<uri1>]]

Syntax Description

show	Show running system information
system	System-related show commands
switchover	Show the software switchover impact between two images
impact	impact {standby_system_uri} {active_system_uri}
uri0	(Optional) Enter standby URI
uri1	(Optional) Enter active URI

Command Mode

- /exec

show system uptime

show system uptime [__readonly__ { <sys_st_time> <sys_up_days> <sys_up_hrs> <sys_up_mins> <sys_up_secs> <kn_up_days> <kn_up_hrs> <kn_up_mins> <kn_up_secs> [<as_up_days>] [<as_up_hrs>] [<as_up_mins>] [<as_up_secs>] }]

Syntax Description

show	Show running system information
system	System-related show commands
uptime	Show how long the system has been up and running
__readonly__	(Optional) readonly
sys_st_time	(Optional) System Start Time
sys_up_days	(Optional) System Uptime Days
sys_up_hrs	(Optional) System Uptime Hours
sys_up_mins	(Optional) System Uptime Minutes
sys_up_secs	(Optional) System Uptime Seconds
kn_up_days	(Optional) Kernel Uptime Days
kn_up_hrs	(Optional) Kernel Uptime Hours
kn_up_mins	(Optional) Kernel Uptime Minutes
kn_up_secs	(Optional) Kernel Uptime Seconds
as_up_days	(Optional) Active Sup Uptime Days
as_up_hrs	(Optional) Active Sup Uptime Hours
as_up_mins	(Optional) Active Sup Uptime Minutes
as_up_secs	(Optional) Active Sup Uptime Seconds

Command Mode

- /exec

show system verify bios flash

show system verify bios { flash <i0> [module <module>] | protection <i1> [module <module1>] } [__readonly__ { <return> <verify_result> <protection_status> }]

Syntax Description

show	Show running system information
system	System-related show commands
verify	Verify commands
bios	Verify bios
flash	verify bios flash or protection status
i0	Select primary or alternate flash
module	(Optional) Module number
module	(Optional) Enter module number
protection	verify bios flash or protection status
i1	Select primary or alternate flash
module	(Optional) Module number
module1	(Optional) Enter module number
__readonly__	(Optional)
return	(Optional)
verify_result	(Optional)
protection_status	(Optional)

Command Mode

- /exec

show system vlan reserved

show system vlan reserved [__readonly__ { TABLE_vlan <current_reserved_vlan_start> <current_reserved_vlan_end> [<future_reserved_vlan_start>] [<future_reserved_vlan_end>] }]

Syntax Description

show	Show running system information
system	system wide configuration
vlan	VLAN status
reserved	Show system VLAN allocation
__readonly__	(Optional) Read Only
TABLE_vlan	(Optional)
current_reserved_vlan_start	(Optional) System current running reserved vlan start
current_reserved_vlan_end	(Optional) System current running reserved vlan end
future_reserved_vlan_start	(Optional) System future running reserved vlan start
future_reserved_vlan_end	(Optional) System future running reserved vlan end

Command Mode

- /exec

T Show Commands

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show table-map

show table-map [<tmap-name> | <default-tmap-enum-name>] [__readonly__ { [TABLE_tmap <tmap-name> [<desc>] [<def-value>] [<def-copy>] [<def-ignore>] [TABLE_list <frm-list> <to-val>]] }]

Syntax Description

show	Show running system information
table-map	Table maps
TABLE_tmap	(Optional) all tmap xml sessions
tmap-name	(Optional) Show a particular table map
default-tmap-enum-name	(Optional)
__readonly__	(Optional)
desc	(Optional) Description string
def-value	(Optional) Unspecified entries will default to this value
def-copy	(Optional) Map unspecified values to equivalent output value
def-ignore	(Optional) Ignore unspecified values
TABLE_list	(Optional) table map lists
frm-list	(Optional) Original list of values which are to be mapped
to-val	(Optional) To value

Command Mode

- /exec

show tacacs-server

show tacacs-server [__readonly__ [<global_secretKey>] { <global_timeout> <global_deadtime> } [<global_source_intf>] [<global_idle_time>] { [<global_testUsername>] [<global_testPassword>] } { <server_count> } [TABLE_server <server_ip> <port> [<secretKey>] [<timeout>]] [{ <host0> <tacacs_port> <shared_key> <idle_time><test_username> <test_password> } +]]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
__readonly__	(Optional)
global_secretKey	(Optional) Global shared secret
global_timeout	(Optional) Global timeout for tacacs
global_deadtime	(Optional) Global deadtime
global_source_intf	(Optional) Tacacs global source interface
global_idle_time	(Optional) Tacacs global idle-time for server monitoring
global_testUsername	(Optional) Username of global test parameters
global_testPassword	(Optional) Password of global test parameters
server_count	(Optional) Total number of tacacs servers configured
TABLE_server	(Optional)
server_ip	(Optional) Ip address of the server
port	(Optional) Port used for this server
secretKey	(Optional) Shared secret between the server and the tacacs client
timeout	(Optional) Timeout for this tacacs server
host0	(Optional) DNS name or IP address
tacacs_port	(Optional) TACACS+ server port
shared_key	(Optional) TACACS+ shared secret
test_password	(Optional) User password in test packets

Command Mode

- /exec

show tacacs-server

show tacacs-server { <host0> } [__readonly__ { <host1> } [<tac_port>] [<tac_shared_key>] [<time_out>] [<tac_idle_time>] [<test_user_name>] <test_pwd>]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
host0	DNS name or IP address
__readonly__	(Optional)
host1	(Optional) DNS name or IP address
tac_port	(Optional) TACACS+ server port
tac_shared_key	(Optional) TACACS+ shared secret
time_out	(Optional) radius server timeout
test_user_name	(Optional) User name in test packets
test_pwd	(Optional) User password in test packets
tac_idle_time	(Optional) Time interval for monitoring the server

Command Mode

- /exec

show tacacs-server directed-request

show tacacs-server directed-request [__readonly__ { <tacacs_directedRequest_status> }]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
directed-request	Show directed server enable configuration
__readonly__	(Optional)
tacacs_directedRequest_status	(Optional) status of tacacs-server directed request

Command Mode

- /exec

show tacacs-server groups

show tacacs-server groups [<s0>] [__readonly__ [<num_of_groups>] [TABLE_group <group_name> [TABLE_server <server_ip> [<port>]] [<dead_time>] [<vrf_name>] [<source_interface>]]]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
groups	Show TACACS+ server group configuration information
s0	(Optional) TACACS+ server group name
__readonly__	(Optional)
num_of_groups	(Optional) number of groups
TABLE_group	(Optional)
group_name	(Optional) name of the group
TABLE_server	(Optional)
server_ip	(Optional) DNS name or IP address
port	(Optional) TACACS+ server port
dead_time	(Optional) Time interval for which the server is marked as dead before sending a test command
vrf_name	(Optional) name of the vrf
source_interface	(Optional) Interface Description

Command Mode

- /exec

show tacacs-server sorted

show tacacs-server sorted [__readonly__ [<global_secretKey>] { <global_timeout> <global_deadtime> } [<global_source_intf>] [<global_idle_time>] { [<global_testUsername>] [<global_testPassword>] } { <server_count> } [TABLE_server <server_ip> <port> [<secretKey>] [<timeout>]]]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
sorted	Show TACACS+ servers sorted by server name
__readonly__	(Optional)
global_secretKey	(Optional) Global shared secret
global_timeout	(Optional) Global timeout for tacacs
global_deadtime	(Optional) Global deadtime
global_source_intf	(Optional) Tacacs global source interface
global_idle_time	(Optional) Tacacs global idle-time for server monitoring
global_testUsername	(Optional) Username of global test parameters
global_testPassword	(Optional) Password of global test parameters
server_count	(Optional) Total number of tacacs servers configured
TABLE_server	(Optional)
server_ip	(Optional) Ip address of the server
port	(Optional) Port used for this server
secretKey	(Optional) Shared secret between the server and the tacacs client
timeout	(Optional) Timeout for this tacacs server

Command Mode

- /exec

show tacacs-server statistics

show tacacs-server statistics { <host0> } [__readonly__ { <server_state> [<clock_time> { monitoring_statistics <time_in_pstate> <ndead> <tt_in_dstate> }] } { auth_statistics <auth_failed_transactions> <auth_succ_transactions> <auth_req_sent> <auth_req_timedout> <auth_resp_no_match> <auth_resp_not_processed> <auth_resp_error> } { autho_statistics <autho_failed_transactions> <autho_succ_transactions> <autho_req_sent> <autho_req_timedout> <autho_resp_no_match> <autho_resp_not_processed> <autho_resp_error> } { acct_statistics <acct_failed_transactions> <acct_succ_transactions> <acct_req_sent> <acct_req_timedout> <acct_resp_no_match> <acct_resp_not_processed> <acct_resp_error> }]

Syntax Description

show	Show running system information
tacacs-server	Show TACACS+ configuration information
statistics	Show TACACS statistics
host0	DNS name or IP address
__readonly__	(Optional)
server_state	(Optional) Show state of server
clock_time	(Optional) Show clock time in terms of hours, minutes and seconds
monitoring_statistics	(Optional) Monitoring Statistics
time_in_pstate	(Optional) Time in previous state
ndead	(Optional) Number of times dead
tt_in_dstate	(Optional) Total time in dead state
auth_statistics	(Optional) Authentication Statistics
autho_statistics	(Optional) Authorization Statistics
acct_statistics	(Optional) Accounting Statistics
auth_failed_transactions	(Optional) Authentication: Failed transactions
auth_succ_transactions	(Optional) Authentication: Successful transactions
auth_req_sent	(Optional) Authentication: Requests sent
auth_req_timedout	(Optional) Authentication: Requests timedout
auth_resp_no_match	(Optional) Authentication: Responses with no matching requests
auth_resp_not_processed	(Optional) Authentication: Responses not processed
auth_resp_error	(Optional) Authentication: Responses containing errors

autho_failed_transactions	(Optional) Authorization: Failed transactions
autho_succ_transactions	(Optional) Authorization: Successful transactions
autho_req_sent	(Optional) Authorization: Requests sent
autho_req_timedout	(Optional) Authorization: Requests timedout
autho_resp_no_match	(Optional) Authorization: Responses with no matching requests
autho_resp_not_processed	(Optional) Authorization: Responses not processed
autho_resp_error	(Optional) Authorization: Responses containing errors
acct_failed_transactions	(Optional) Accounting: Failed transactions
acct_succ_transactions	(Optional) Accounting: Successful transactions
acct_req_sent	(Optional) Accounting: Requests sent
acct_req_timedout	(Optional) Accounting: Requests timedout
acct_resp_no_match	(Optional) Accounting: Responses with no matching requests
acct_resp_not_processed	(Optional) Accounting: Responses not processed
acct_resp_error	(Optional) Accounting: Responses containing errors

Command Mode

- /exec

show tech-support

show tech-support [time-optimized] [forced]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	(Optional) Do not check for standby being present

Command Mode

- /exec

show tech-support aaa

show tech-support aaa

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
aaa	Display aaa information

Command Mode

- /exec

show tech-support aclmgr

show tech-support aclmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclmgr compressed

show tech-support aclmgr compressed <uri0> [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclmgr	ACL commands
compressed	Save compressed aclqos technical support
uri0	Enter filename to store
detail	(Optional) Detailed Tech Support

Command Mode

- /exec

show tech-support aclqos

show tech-support aclqos

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support

Command Mode

- /exec

show tech-support aclqos compressed

show tech-support aclqos compressed <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
aclqos	Show information for aclqos technical support
compressed	Save compressed aclqos technical support
uri0	Enter filename to store

Command Mode

- /exec

show tech-support adjmgr

show tech-support adjmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
adjmgr	Display Adjmgr information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support all-binary

show tech-support all-binary

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all-binary	Dump tech support for all applications in binary

Command Mode

- /exec

show tech-support all

show tech-support all [non-time-optimized]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
non-time-optimized	(Optional) Gather detailed information for troubleshooting (legacy behavior)

Command Mode

- /exec

show tech-support all binary

show tech-support all binary <uri0>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
all	Gather detailed information for troubleshooting
binary	Gather tech support for all applications in binary format
uri0	Select destination filesystem to save the binary output (NOTE: The output file name will be automatically generated and cannot be chosen)

Command Mode

- /exec

show tech-support analytics

show tech-support analytics [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
analytics	Show Analytics tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support arp

show tech-support arp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
arp	Display ARP information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ascii-cfg

show tech-support ascii-cfg

Syntax Description

show	Show running system information
tech-support	Show information for technical support personnel
ascii-cfg	Show ascii-cfg information for technical support personnel

Command Mode

- /exec

show tech-support assoc_mgr

show tech-support assoc_mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
assoc_mgr	Gather detailed information for assoc_mgr troubleshooting

Command Mode

- /exec

show tech-support backup

show tech-support { backup | flexlink }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
backup	Gather detailed information for Switchport Backup troubleshooting
flexlink	Gather detailed information for Switchport Backup troubleshooting

Command Mode

- /exec

show tech-support bcm

show tech-support bcm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bcm	bcm hardware info

Command Mode

- /exec

show tech-support bfd

show tech-support bfd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bfd	BFD commands

Command Mode

- /exec

show tech-support bgp

show tech-support bgp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bgp	Display BGP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support biosd

show tech-support biosd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
biosd	Gather bios install log for trouble shooting

Command Mode

- /exec

show tech-support bloggerd-all

show tech-support bloggerd-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd-all	Gather detailed information for bloggerd troubleshooting from ALL modules

Command Mode

- /exec

show tech-support bloggerd

show tech-support bloggerd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bloggerd	Gather detailed information for bloggerd troubleshooting

Command Mode

- /exec

show tech-support bootvar

show tech-support bootvar

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
bootvar	Gather detailed information for bootvar troubleshooting

Command Mode

- /exec

show tech-support brief

show tech-support brief

Syntax Description

show	Show running system summary information
tech-support	Gather information for troubleshooting
brief	Gather summary information for troubleshooting

Command Mode

- /exec

show tech-support callhome

show tech-support callhome

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
callhome	callhome troubleshooting information

Command Mode

- /exec

show tech-support cdp

show tech-support cdp

Syntax Description

show	show running system information
tech-support	Gather information for troubleshooting
cdp	Gather information for CDP trouble shooting

Command Mode

- /exec

show tech-support cert-enroll

show tech-support cert-enroll

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
cert-enroll	Display certificates information

Command Mode

- /exec

show tech-support cfs

show tech-support cfs [{ commands | name <cfs-dyn-app-name> [commands1] }]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cfs	Gather detailed information for cfs troubleshooting
commands	(Optional) CFS show tech commands
name	(Optional) Gather detailed information of cfs for a specified application
cfs-dyn-app-name	(Optional) Registered name of the local application
commands1	(Optional) CFS application show tech commands

Command Mode

- /exec

show tech-support cli

show tech-support cli

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
cli	Gather information for parser troubleshooting

Command Mode

- /exec

show tech-support clis

show tech-support clis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clis	Gather information for CLI Server troubleshooting
brief	(Optional) Detailed information

Command Mode

- /exec

show tech-support clock_manager

show tech-support clock_manager

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
clock_manager	Gather detailed information for clock manager troubleshooting

Command Mode

- /exec

show tech-support commands

show tech-support commands

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
commands	Show commands executed as part of show tech-support commands

Command Mode

- /exec

show tech-support controller

show tech-support controller

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
controller	Gather information for Controller troubleshooting

Command Mode

- /exec

show tech-support copp

show tech-support copp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
copp	Gather information for copp trouble shooting

Command Mode

- /exec

show tech-support dcbx

show tech-support dcbx

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dcbx	Gather detailed information for DCBX component

Command Mode

- /exec

show tech-support details

show tech-support details [space-optimized] [time-optimized]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
details	Gather detailed information for troubleshooting
space-optimized	(Optional) Gather tech-support info. using less memory and disk space
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space

Command Mode

- /exec

show tech-support dhclient

show tech-support dhclient

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
dhclient	Gather information for dhclient trouble shooting

Command Mode

- /exec

show tech-support dhcp

show tech-support dhcp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dhcp	Gather detailed information for dhcp troubleshooting

Command Mode

- /exec

show tech-support dme

show tech-support dme

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
dme	Gather detailed information for dme troubleshooting

Command Mode

- /exec

show tech-support dot1x

show tech-support dot1x

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
dot1x	Display dot1x information

Command Mode

- /exec

show tech-support ecp

show tech-support ecp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ecp	ECP (Edge Control Protocol)

Command Mode

- /exec

show tech-support eem

show tech-support eem

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
eem	Show EEM tech-support information

Command Mode

- /exec

show tech-support eigrp

show tech-support eigrp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
eigrp	Display EIGRP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support eltm

show tech-support eltm [detail]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
eltm	eltm debug info
detail	(Optional) Detailed information

Command Mode

- /exec

show tech-support ethpm

show tech-support ethpm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethpm	Gather detailed information for ETHPM troubleshooting

Command Mode

- /exec

show tech-support ethport

show tech-support ethport

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ethport	Gather detailed information for ETHPORT troubleshooting

Command Mode

- /exec

show tech-support evb

show tech-support evb

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
evb	EVB (Edge Virtual Bridge)

Command Mode

- /exec

show tech-support fabric forwarding

show tech-support fabric forwarding

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
forwarding	Fabric Forwarding Protocol: Host Mobility Manager (HMM)

Command Mode

- /exec

show tech-support fabric multicast

show tech-support fabric multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fabric	Fabric
multicast	Multicast information

Command Mode

- /exec

show tech-support fast-reload

show tech-support fast-reload

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fast-reload	Gather information for troubleshooting fast-reload timings

Command Mode

- /exec

show tech-support fc2

show tech-support fc2 [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fc2	Show information for fc2 technical support
commands	(Optional) Show commands run as part of fc2 technical support

Command Mode

- /exec

show tech-support fcoe

show tech-support fcoe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fcoe	Gather information for FCOE mgr trouble shooting

Command Mode

- /exec

show tech-support fips

show tech-support fips

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
fips	show tech support information for security

Command Mode

- /exec

show tech-support forwarding l2 multicast

show tech-support forwarding l2 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l2 multicast vdc-all

show tech-support forwarding l2 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l2	layer 2 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l2 unicast

show tech-support forwarding l2 unicast [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
forwarding	Forwarding debug info
l2	layer 2 debug info
unicast	unicast
module	(Optional) Slot number
module	(Optional) Module Number

Command Mode

- /exec

show tech-support forwarding l3 multicast

show tech-support forwarding l3 multicast

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast

Command Mode

- /exec

show tech-support forwarding l3 multicast detail vdc-all

show tech-support forwarding l3 multicast detail vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 multicast detail

show tech-support forwarding l3 multicast detail

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
detail	detail

Command Mode

- /exec

show tech-support forwarding l3 multicast vdc-all

show tech-support forwarding l3 multicast vdc-all

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
multicast	multicast
vdc-all	vdc-all

Command Mode

- /exec

show tech-support forwarding l3 unicast

show tech-support forwarding l3 unicast [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
module	(Optional) module
module	(Optional) module number

Command Mode

- /exec

show tech-support forwarding l3 unicast detail

show tech-support forwarding l3 unicast detail [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
module	(Optional) module
module	(Optional) module number

Command Mode

- /exec

show tech-support forwarding l3 unicast detail vdc-all

show tech-support forwarding l3 unicast detail vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
detail	detailed show tech including platform commands
vdc-all	vdc-all
module	(Optional) module
module	(Optional) module number

Command Mode

- /exec

show tech-support forwarding l3 unicast vdc-all

show tech-support forwarding l3 unicast vdc-all [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
l3	layer 3 debug information
unicast	unicast
vdc-all	vdc-all
module	(Optional) module
module	(Optional) module number

Command Mode

- /exec

show tech-support forwarding mpls

show tech-support forwarding mpls [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
mpls	mpls related information
module	(Optional) module
module	(Optional) module number

Command Mode

- /exec

show tech-support forwarding multicast

show tech-support forwarding multicast [module <module>]

Syntax Description

show	
tech-support	tech-support information
forwarding	forwarding debug information
multicast	multicast
module	(Optional) module
module	(Optional) module number

Command Mode

- /exec

show tech-support gold

show tech-support gold

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
gold	Show gold tech-support information

Command Mode

- /exec

show tech-support gpixm

show tech-support gpixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
gpixm	Gather detailed information for GLOBAL-PIXM troubleshooting

Command Mode

- /exec

show tech-support ha

show tech-support ha [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support ha module

show tech-support ha module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
module	Gather info related to a module
module	Enter module number

Command Mode

- /exec

show tech-support ha standby

show tech-support ha standby [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ha	Gather detailed information for HA troubleshooting
standby	Gather detailed information for HA troubleshooting from standby supervisor
commands	(Optional) Show commands executed as part of show tech-support ha commands

Command Mode

- /exec

show tech-support hardware-telemetry

show tech-support hardware-telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
hardware-telemetry	Hardware Telemetry Information

Command Mode

- /exec

show tech-support hsrp

show tech-support hsrp

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information

Command Mode

- /exec

show tech-support hsrp brief

show tech-support hsrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
hsrp	Show hsrp tech-support information
brief	Show tech-support information in brief

Command Mode

- /exec

show tech-support icam

show tech-support icam [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
icam	icam - TCAM Analytics
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support icmpv6

show tech-support icmpv6 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
icmpv6	Display Icmpv6 information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support im

show tech-support im

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
im	Gather detailed information for IM troubleshooting

Command Mode

- /exec

show tech-support imp

show tech-support imp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
imp	IMP commands

Command Mode

- /exec

show tech-support inband counters

show tech-support inband counters

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
inband	Gather all information about inband data path
counters	Gather all counters in inband data path

Command Mode

- /exec

show tech-support include-time

show tech-support include-time

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
include-time	Gather tech-support and capture time taken to execute each command

Command Mode

- /exec

show tech-support install

show tech-support install

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
install	Gather detailed information for rpm/package install operation

Command Mode

- /exec

show tech-support interface-vlan

show tech-support interface-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
interface-vlan	Gather detailed information for interface-vlan troubleshooting

Command Mode

- /exec

show tech-support ip

show tech-support ip [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip igmp

show tech-support ip igmp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip igmp snooping

show tech-support ip igmp snooping [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
igmp	Display IGMP status and configuration
snooping	IGMP Snooping information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip msdp

show tech-support ip msdp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
msdp	Display MSDP status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ip pim

show tech-support ip pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	Display IP information
pim	PIM global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipqos

show tech-support ipqos [server-only] [all] [snmp]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
server-only	(Optional) Dump the tech-support information only from IP QoS Manager server only
all	(Optional) Dump the tech-support information IP QoS Manager plus brief summary of system
snmp	(Optional) Dump the tech-support information only from IP QoS Manager server only (SNMP only)

Command Mode

- /exec

show tech-support ipv6

show tech-support ipv6 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPV6 information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 mld

show tech-support ipv6 mld [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
mld	Display Multicast Listener Discovery information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ipv6 multicast

show tech-support ipv6 multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
multicast	Display V6 Multicast information

Command Mode

- /exec

show tech-support ipv6 pim

show tech-support ipv6 pim [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ipv6	Display IPv6 information
pim	PIM6 global configuration commands
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support isis

show tech-support isis [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
isis	IS-IS events
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support issu

show tech-support issu [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
issu	Gather detailed information for issu troubleshooting
commands	(Optional) Show commands executed as part of show tech-support issu command

Command Mode

- /exec

show tech-support kstack

show tech-support kstack

Syntax Description

show	
tech-support	tech-support information
kstack	kstack information

Command Mode

- /exec

show tech-support l2

show tech-support l2

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2	Gather detailed information for layer 2 troubleshooting

Command Mode

- /exec

show tech-support l2fm

show tech-support l2fm

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info

Command Mode

- /exec

show tech-support l2fm clients

show tech-support l2fm clients [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
clients	debug info of l2fm clients only running on linecard(mtm)
module	(Optional) Slot number
module	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm detail

show tech-support l2fm detail [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2fm	l2fm debug info
detail	All info related to l2fm
module	(Optional) Slot number
module	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm l2dbg

show tech-support l2fm l2dbg [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
module	(Optional) Module Number

Command Mode

- /exec

show tech-support l2fm l2dbg

show tech-support l2fm l2dbg [module <module>]

Syntax Description

show	show tech-support
tech-support	Gather information for trouble-shooting
l2fm	l2fm debug info
l2dbg	tech support capturing additional debug info for l2fm(l2dbg)
module	(Optional) Slot number
module	(Optional) Module Number

Command Mode

- /exec

show tech-support l2rib

show tech-support l2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l2rib	Display L2RIB information

Command Mode

- /exec

show tech-support l3vm

show tech-support l3vm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vm	Display VRF information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support l3vpn

show tech-support l3vpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
l3vpn	BGP l3vpn information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support lacp

show tech-support lacp [all]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lacp	Gather detailed information for LACP component
all	(Optional) Gather detailed information of LACP and related components

Command Mode

- /exec

show tech-support ldap

show tech-support ldap

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
ldap	Display ldap information

Command Mode

- /exec

show tech-support license

show tech-support license

Syntax Description

show	show commands
tech-support	Gather information for troubleshooting
license	Display licensing information

Command Mode

- /exec

show tech-support lim

show tech-support lim

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lim	Gather detailed information for LIM troubleshooting

Command Mode

- /exec

show tech-support lldp

show tech-support lldp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
lldp	Gather detailed information for LLDP troubleshooting

Command Mode

- /exec

show tech-support logging

show tech-support logging

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
logging	Show information on logging for technical support staff

Command Mode

- /exec

show tech-support m2rib

show tech-support m2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
m2rib	Gather detailed information for M2RIB troubleshooting

Command Mode

- /exec

show tech-support macsec

show tech-support macsec

Syntax Description

tech-support	Gather information for troubleshooting
macsec	Gather information for macsec troubleshooting

Command Mode

- /exec

show tech-support macsec detail

show tech-support macsec detail [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
macsec	macsec debug info
detail	All info related to MACsec
module	(Optional) Slot number
module	(Optional) Module Number

Command Mode

- /exec

show tech-support mfwd

show tech-support mfwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mfwd	Display MCASTFWD status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mmode

show tech-support mmode

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mmode	Gather information for troubleshooting mmode

Command Mode

- /exec

show tech-support module

show tech-support module <module>

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
module	Enter module number

Command Mode

- /exec

show tech-support module all

show tech-support module all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
module	Gather info related to a module
all	Gather info related to all modules in the system

Command Mode

- /exec

show tech-support monitor

show tech-support monitor

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting

Command Mode

- /exec

show tech-support monitor erspan

show tech-support monitor erspan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitor	Gather detailed information for monitor troubleshooting
erspan	Gather detailed information for erspan session troubleshooting

Command Mode

- /exec

show tech-support monitorc-all

show tech-support monitorc-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
monitorc-all	Gather detailed information for LC MONITORC troubleshooting

Command Mode

- /exec

show tech-support mpls ldp

show tech-support mpls ldp [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	Display MPLS status and configuration
ldp	Display LDP configuration and status for troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mpls manager

{ show tech-support mpls manager }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	MPLS
manager	MPLS-Mgr

Command Mode

- /exec

show tech-support mpls static

show tech-support mpls static [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mpls	Display MPLS status and configuration
static	Display STATIC configuration and status for troubleshooting
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mpls strip

show tech-support mpls strip

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
mpls	MPLS
strip	Gather MPLS label strip troubleshooting info

Command Mode

- /exec

show tech-support mpls switching

show tech-support mpls switching

Syntax Description

show	Show running system information
tech-support	Gather MPLS switching information
mpls	Display MPLS status and configuration
switching	Display the MPLS label switching database

Command Mode

- /exec

show tech-support mpls traffic-eng

show tech-support mpls traffic-eng [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
mpls	Display MPLS status and configuration
traffic-eng	Traffic engineering information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support mplsfwd

show tech-support mplsfwd [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mplsfwd	Display MPLS forwarding information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support multicast-vxlan-evpn

show tech-support multicast-vxlan-evpn

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
multicast-vxlan-evpn	Multicast VxLAN EVPN feature

Command Mode

- /exec

show tech-support multicast

show tech-support [ip | ipv4] multicast

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information

Command Mode

- /exec

show tech-support mvpn

show tech-support mvpn [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
mvpn	Display Multicast VPN information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support nat

show tech-support nat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nat	Gather information for troubleshooting NAT

Command Mode

- /exec

show tech-support nbm

show tech-support nbm [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
nbm	Non Blocking Multicast
brief	(Optional) Minimal information

Command Mode

- /exec

show tech-support netflow

show tech-support netflow [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
netflow	Show NetFlow tech-support information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support netstack

show tech-support netstack

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support netstack detail

show tech-support netstack detail

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
netstack	Gather information for NETSTACK troubleshooting
detail	Gather detailed information for NETSTACK troubleshooting

Command Mode

- /exec

show tech-support ngoam

show tech-support ngoam

Syntax Description

show	Show running system information
tech-support	Gather information for trouble-shooting
ngoam	ngoam

Command Mode

- /exec

show tech-support npacl

show tech-support npacl [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npacl	Display npacl information
brief	(Optional) Brief npacl information

Command Mode

- /exec

show tech-support npv

show tech-support npv

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
npv	Show information for NPV technical support staff

Command Mode

- /exec

show tech-support ns

show tech-support ns

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ns	Gather detailed information for northstar asic

Command Mode

- /exec

show tech-support ntp

show tech-support ntp

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
ntp	Gather information for NTP trouble shooting

Command Mode

- /exec

show tech-support nve

show tech-support nve

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
nve	Display NVE information

Command Mode

- /exec

show tech-support nxapi

show tech-support nxapi

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxapi	Gather detailed information for nxapi troubleshooting

Command Mode

- /exec

show tech-support nxsdk

show tech-support nxsdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
nxsdk	NXOS SDK

Command Mode

- /exec

show tech-support object-store

show tech-support object-store

Syntax Description

show	Show Object Store
tech-support	Gather information for troubleshooting
object-store	Gather information from object store for Controller troubleshooting

Command Mode

- /exec

show tech-support openflow

show tech-support openflow [brief | detailed]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
openflow	Show tech support for OpenFlow
brief	(Optional) Brief information
detailed	(Optional) Detailed information

Command Mode

- /exec

show tech-support ospf

show tech-support ospf [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospf	Display OSPF status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support ospfv3

show tech-support ospfv3 [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ospfv3	Display OSPFv3 status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support page

show tech-support page [time-optimized] [forced]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
page	Page through the output
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space
forced	(Optional) Do not check for standby being present

Command Mode

- /exec

show tech-support patch

show tech-support patch

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
patch	Gather detailed information for patch troubleshooting

Command Mode

- /exec

show tech-support pbr

{ show tech-support pbr }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pbr	Display Policy Based Routing (PBR) information

Command Mode

- /exec

show tech-support pfstat

show tech-support pfstat

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pfstat	Gather detailed information for pfstat troubleshooting

Command Mode

- /exec

show tech-support pixm-all

show tech-support pixm-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm-all	Gather detailed information for PIXM troubleshooting

Command Mode

- /exec

show tech-support pixm

show tech-support pixm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixm	Gather detailed information for vdc-local-PIXM troubleshooting

Command Mode

- /exec

show tech-support pixmc-all

show tech-support pixmc-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pixmc-all	Gather detailed information for LC PIXMC troubleshooting

Command Mode

- /exec

show tech-support pktmgr

show tech-support pktmgr [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pktmgr	Display Packet Manager information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support platform-sdk

show tech-support platform-sdk

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform-sdk	Gather detailed information for platform-sdk troubleshooting

Command Mode

- /exec

show tech-support platform

show tech-support platform

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform	Get platform related information

Command Mode

- /exec

show tech-support platform

show tech-support platform

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
platform	Get platform related information

Command Mode

- /exec

show tech-support plb-services

show tech-support plb-services [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
plb-services	PLB Services
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support plcmgr

show tech-support plcmgr [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
plcmgr	Policy Manager
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support pltfm-config

show tech-support pltfm-config

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
pltfm-config	Gather detailed information for pltfm-config troubleshooting

Command Mode

- /exec

show tech-support poe

show tech-support poe

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
poe	Gather information for PoE trouble shooting

Command Mode

- /exec

show tech-support port-channel

show tech-support port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-channel	Gather detailed information for port channel troubleshooting

Command Mode

- /exec

show tech-support port-client-all

show tech-support port-client-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-client-all	Gather detailed information for LC port client troubleshooting

Command Mode

- /exec

show tech-support port-profile

show tech-support port-profile

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port-profile	Gather information for troubleshooting port-profiles

Command Mode

- /exec

show tech-support port-security

show tech-support port-security

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
port-security	Port security related command

Command Mode

- /exec

show tech-support port

show tech-support port

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
port	Gather detailed information for port manager troubleshooting

Command Mode

- /exec

show tech-support private-vlan

show tech-support private-vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
private-vlan	Gather detailed information for private-vlan troubleshooting

Command Mode

- /exec

show tech-support ptp

show tech-support ptp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
ptp	Gather detailed information for PTP troubleshooting

Command Mode

- /exec

show tech-support radius

show tech-support radius

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting
radius	Display radius information

Command Mode

- /exec

show tech-support rip

show tech-support rip [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rip	Display RIP routing protocol status
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing

show tech-support routing [ip | ipv4] [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6

show tech-support routing ipv6 [unicast] [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
unicast	(Optional) Display unicast routing information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing ipv6 multicast

show tech-support routing ipv6 multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ipv6	Display IPv6 information
multicast	Display V6 Multicast information
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support routing multicast

show tech-support routing [ip | ipv4] multicast [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
routing	Display routing information
ip	(Optional) Display IP information
ipv4	(Optional) Display IP information
multicast	Display V4 Multicast information
brief	(Optional) Display brief information

Command Mode

- /exec

show tech-support rpm

{ show tech-support rpm }

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
rpm	Display Route Policy Manager (RPM) information

Command Mode

- /exec

show tech-support sal

show tech-support sal

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sal	Show SAL tech-support information

Command Mode

- /exec

show tech-support san-port-channel

show tech-support san-port-channel

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san-port-channel	Gather detailed information for san port channel troubleshooting

Command Mode

- /exec

show tech-support san

show tech-support san

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
san	Gather information for SAN trouble shooting

Command Mode

- /exec

show tech-support satmgr

show tech-support satmgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
satmgr	Gather detailed information for satmgr troubleshooting

Command Mode

- /exec

show tech-support security

show tech-support security

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
security	show tech support information for security

Command Mode

- /exec

show tech-support segment-routing

show tech-support segment-routing

Syntax Description

show	Show running system information
tech-support	Gather tech-support information
segment-routing	Segment-routing tech-support

Command Mode

- /exec

show tech-support services

show tech-support services [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
services	Services
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support session-mgr

show tech-support session-mgr

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
session-mgr	Gather information for troubleshooting session manager

Command Mode

- /exec

show tech-support sflow

show tech-support sflow

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sflow	Gather detailed information for sflow feature

Command Mode

- /exec

show tech-support single-jericho

show tech-support single-jericho

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
single-jericho	Gather detailed information for single-jericho troubleshooting

Command Mode

- /exec

show tech-support sksd

show tech-support sksd

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sksd	show tech support information for sksd

Command Mode

- /exec

show tech-support sla responder

show tech-support sla responder [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
responder	Configure sla-responder tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla sender

show tech-support sla sender [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
sender	Configure sla-sender tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support sla twamp-server

show tech-support sla twamp-server [brief | detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
sla	Service Level Agreement (SLA)
twamp-server	Configure sla-twamp-server tech support
brief	(Optional) Show less details
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support smartc

show tech-support smartc [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
smartc	smartc channel services
detail	(Optional) Show more details

Command Mode

- /exec

show tech-support smm

show tech-support smm

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
smm	Shared memory

Command Mode

- /exec

show tech-support snmp

show tech-support snmp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
snmp	Gather info related to snmp

Command Mode

- /exec

show tech-support sockets

show tech-support sockets [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sockets	Display sockets status and configuration
brief	(Optional) Brief information

Command Mode

- /exec

show tech-support spm

show tech-support spm [<application>] [detail]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
spm	Service Policy Manager
application	(Optional) Specify an application
detail	(Optional) Print more details (e.g. messages,etc)

Command Mode

- /exec

show tech-support srte

show tech-support srte

Syntax Description

show	Show running system information
tech-support	Gather SRTE information
srte	Segment-Routing Traffic Eng

Command Mode

- /exec

show tech-support statsclient

show tech-support statsclient [module <module>]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
statsclient	Gather statsclient tech-support
module	(Optional) Gather info related to one module
module	(Optional) Enter module number

Command Mode

- /exec

show tech-support stp

show tech-support stp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
stp	Gather detailed information for STP troubleshooting

Command Mode

- /exec

show tech-support sup-filesys

show tech-support sup-filesys

Syntax Description

show	Show running system informatiom
tech-support	Gather information for troubleshooting
sup-filesys	File-sys related issue

Command Mode

- /exec

show tech-support sysmgr

show tech-support sysmgr [commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
sysmgr	Gather detailed information for sysmgr troubleshooting
commands	(Optional) Show commands executed as part of show tech-support sysmgr

Command Mode

- /exec

show tech-support tacacs

show tech-support tacacs +

Syntax Description

show	show tech-support
tech-support	Gather information for troubleshooting

Command Mode

- /exec

show tech-support telemetry

show tech-support telemetry

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
telemetry	Gather information for telemetry troubleshooting

Command Mode

- /exec

show tech-support track

show tech-support track

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
track	Show track tech-support information

Command Mode

- /exec

show tech-support tunnel

show tech-support tunnel [{ commands | detail [commands1] }]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
tunnel	Gather detailed information for tunnel troubleshooting
commands	(Optional) Lists commands under 'show tunnel tech-support' command
detail	(Optional) Gather detailed information for tunnel troubleshooting
commands1	(Optional) Lists commands under 'Show tech-support tunnel detail' commands

Command Mode

- /exec

show tech-support u2rib

show tech-support u2rib

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
u2rib	Gather detailed information for U2RIB troubleshooting

Command Mode

- /exec

show tech-support udld

show tech-support udld

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
udld	Gather detailed information for udld troubleshooting

Command Mode

- /exec

show tech-support usd-all

show tech-support usd-all

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
usd-all	Gather detailed information for LC USD troubleshooting

Command Mode

- /exec

show tech-support vdc

show tech-support vdc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vdc	Gather detailed information for VDC troubleshooting

Command Mode

- /exec

show tech-support virtual-service

show tech-support virtual-service

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
virtual-service	Gather information for virtualization services trouble shooting

Command Mode

- /exec

show tech-support vlan

show tech-support vlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vlan	Gather detailed information for VLAN troubleshooting

Command Mode

- /exec

show tech-support vmtracker

show tech-support vmtracker

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vmtracker	VMTRACKER commands

Command Mode

- /exec

show tech-support vpc

show tech-support vpc

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vpc	Gather detailed information for VPC troubleshooting

Command Mode

- /exec

show tech-support vrrp

show tech-support vrrp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support

Command Mode

- /exec

show tech-support vrrp brief

show tech-support vrrp brief

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vrrp	Show information for vrrp technical support
brief	Show information for vrrp technical support in brief

Command Mode

- /exec

show tech-support vrrpv3

show tech-support vrrpv3 [detail]

Syntax Description

vrrpv3	VRRPv3 configuration commands
show	Show running system information
tech-support	Gather information for trouble shooting
detail	(Optional) Detailed output

Command Mode

- /exec

show tech-support vsan

show tech-support vsan [<i0> | commands]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vsan	Gather detailed information for vsan troubleshooting
i0	(Optional) VSAN id range
commands	(Optional) Show commands run as part of vsan technical support

Command Mode

- /exec

show tech-support vshd

show tech-support vshd

Syntax Description

show	Show running system information
tech-support	Show information for technical support
vshd	Show vshd information for technical support

Command Mode

- /exec

show tech-support vtp

show tech-support vtp

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vtp	Gather detailed information for vtp troubleshooting

Command Mode

- /exec

show tech-support vvlan

show tech-support vvlan

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
vvlan	Gather detailed information for Voice VLAN troubleshooting

Command Mode

- /exec

show tech-support xbar

show tech-support xbar

Syntax Description

show	Show running system information
tech-support	Gather information for trouble shooting
xbar	Show xbar tech-support information

Command Mode

- /exec

show tech-support xml

show tech-support xml

Syntax Description

show	show running system information
tech-support	Gather information for trouble shooting
xml	Gather information for xml trouble shooting

Command Mode

- /exec

show tech-support xos

show tech-support xos [brief]

Syntax Description

show	Show running system information
tech-support	Gather information for troubleshooting
xos	Cross-OS Library Information and Traces
brief	(Optional) Brief information

Command Mode

- /exec

show telemetry control database

show telemetry control { database [subscriptions | destination-groups | destinations | sensor-paths | sensor-groups] | stats } [__readonly__ [<subscription_db_size>] [{ TABLE_subscriptions <subscription_id> <data_collector_type> }] [<sensor_grp_db_size>] [{ TABLE_sensor_grp <snsr_grp_row_idx> <snsr_grp_id> <snsr_grp_type> <snsr_grp_collector_type> <snsr_grp_timer_interval> <snsr_grp_timer_status> <snsr_grp_sub_count> <snsr_grp_sub_id> <snsr_grp_dc_cur_time> <snsr_grp_dc_min_time> <snsr_grp_dc_max_time> <snsr_grp_enc_cur_time> <snsr_grp_enc_min_time> <snsr_grp_enc_max_time> <snsr_grp_trans_cur_time> <snsr_grp_trans_min_time> <snsr_grp_trans_max_time> <snsr_grp_stream_cur_time> <snsr_grp_stream_min_time> <snsr_grp_stream_max_time> <snsr_grp_stream_col_id_drop> <snsr_grp_stream_last_col_id_drop> <snsr_grp_stream_col_drop> }] [<sensor_path_db_size>] [{ TABLE_sensor_path <path_row_idx> <path_subscribed> <path_group_count> <path_secondary_group_count> <path_level> <path_name> <path_grp_id> <path_query_condition> <path_filter_condition> <path_gpb_cur_enc_size> <path_gpb_min_enc_size> <path_gpb_max_enc_size> <path_json_cur_enc_size> <path_json_min_enc_size> <path_json_max_enc_size> }] [<destination_group_db_size>] [<destination_group_use_vrf>] [{ TABLE_destination_group <destination_group_id> <destination_group_refcount> }] [<destination_db_size>] [{ TABLE_destinations <destination_ip> <destination_port> <destination_encoding> <destination_transport> <destination_refcount> }] [db_statistics <chunk_alloc_fail> <sensor_path_chunk_create_fail> <sensor_group_chunk_create_fail> <destination_chunk_create_fail> <destination_group_chunk_create_fail> <subscription_chunk_create_fail> <sensor_path_db_create_fail> <sensor_group_db_create_fail> <destination_db_create_fail> <destination_group_db_create_fail> <subscription_db_create_fail> <sensor_path_db_insert_fail> <sensor_group_db_insert_fail> <destination_db_insert_fail> <destination_group_db_insert_fail> <subscription_db_insert_fail> <sensor_path_db_delete_fail> <sensor_group_db_delete_fail> <destination_db_delete_fail> <destination_group_db_delete_fail> <subscription_db_delete_fail> <sensor_path_delete_in_use> <sensor_group_delete_in_use> <destination_delete_in_use> <destination_group_delete_in_use> <delete_destination_in_use_fail> <sensor_path_sensor_group_list_create_fail> <sensor_path_prop_list_create_fail> <sensor_path_secondary_sensor_path_list_create_fail> <sensor_path_secondary_sensor_group_list_create_fail> <sensor_group_sensor_path_list_create_fail> <sensor_group_subscription_list_create_fail> <destination_group_subscription_list_create_fail> <destination_group_destination_list_create_fail> <destination_destination_group_list_create_fail> <subscription_sensor_group_list_create_fail> <subscription_destination_group_list_create_fail> <sensor_group_sensor_path_list_delete_fail> <sensor_group_subscription_list_delete_fail> <sensor_group_subscription_unsupported_data_source_fail> <destination_group_subscription_list_delete_fail> <destination_group_destination_list_delete_fail> <subscription_sensor_group_list_delete_fail> <subscription_destination_group_list_delete_fail> <destination_destination_group_list_delete_fail> <destination_delete_from_destination_group_fail> <destination_group_delete_from_subscription_fail> <sensor_group_delete_from_subscription_fail> <sensor_path_delete_from_sensor_group_fail> <get_encode_cb_fail> <get_transport_cb_fail>]]

Syntax Description

show	Show running system information
telemetry	Show telemetry info
control	Show telemetry control
database	Show database
subscriptions	(Optional) Show subscriptions

destination-groups	(Optional) Show destination-groups
destinations	(Optional) Show destinations
sensor-paths	(Optional) Show sensor-paths
sensor-groups	(Optional) Show sensor-groups
stats	Show stats
__readonly__	(Optional)
TABLE_sensor_grp	(Optional) Sensor group table
sensor_grp_db_size	(Optional) Sensor group DB size
snsr_grp_row_idx	(Optional) Sensor Group Row Idx
snsr_grp_id	(Optional) Sensor Group Id
snsr_grp_type	(Optional) Sensor Group Type
snsr_grp_collector_type	(Optional) Sensor Group Collector Type
snsr_grp_timer_interval	(Optional) Sensor Group Timer Interval in ms
snsr_grp_timer_status	(Optional) Sensor Group Timer Status
snsr_grp_sub_count	(Optional) Sensor Group Sub Count
snsr_grp_sub_id	(Optional) Sensor Group Sub Id
snsr_grp_dc_cur_time	(Optional) Sensor Group Data collection Current Time
snsr_grp_dc_min_time	(Optional) Sensor Group Data collection Minimum Time
snsr_grp_dc_max_time	(Optional) Sensor Group Data collection Maximum Time
snsr_grp_enc_cur_time	(Optional) Sensor Group Encoding Current Time
snsr_grp_enc_min_time	(Optional) Sensor Group Encoding Minimum Time
snsr_grp_enc_max_time	(Optional) Sensor Group Encoding Maximum Time
snsr_grp_trans_cur_time	(Optional) Sensor Group Transport Current Time
snsr_grp_trans_min_time	(Optional) Sensor Group Transport Minimum Time
snsr_grp_trans_max_time	(Optional) Sensor Group Transport Maximum Time
snsr_grp_stream_cur_time	(Optional) Sensor Group Streaming Current Time
snsr_grp_stream_min_time	(Optional) Sensor Group Streaming Minimum Time
snsr_grp_stream_max_time	(Optional) Sensor Group Streaming Maximum Time
snsr_grp_stream_col_id_drop	(Optional) Sensor Group Stream collection id Drop

snsr_grp_stream_last_col_id_drop	(Optional) Sensor Group Stream last collection id Drop
snsr_grp_stream_col_drop	(Optional) Sensor Group Stream number of collections dropped
TABLE_sensor_path	(Optional) Sensor path table
sensor_path_db_size	(Optional) Sensor path DB size
path_row_idx	(Optional) Sensor Path row index
path_subscribed	(Optional) Sensor path subscribed to events
path_group_count	(Optional) Sensor path group subscriptions
path_secondary_group_count	(Optional) Sensor path secondary group subscriptions
path_level	(Optional) Sensor path level
path_name	(Optional) Sensor path name
path_grp_id	(Optional) Sensor path group ID
path_query_condition	(Optional) Sensor path query condition
path_filter_condition	(Optional) Sensor path filter condition
path_gpb_cur_enc_size	(Optional) Sensor path gpb current encoded size
path_gpb_min_enc_size	(Optional) Sensor path gpb min encoded size
path_gpb_max_enc_size	(Optional) Sensor path gpb max encoded size
path_json_cur_enc_size	(Optional) Sensor path json current encoded size
path_json_min_enc_size	(Optional) Sensor path json min encoded size
path_json_max_enc_size	(Optional) Sensor path json max encoded size
TABLE_destination_group	(Optional) Destination group table
destination_group_id	(Optional) Destination group ID
destination_group_db_size	(Optional) Destination group DB size
destination_group_use_vrf	(Optional) Destination group vrf
destination_group_refcount	(Optional) Destination group subscription count
TABLE_destinations	(Optional) Destination table
destination_db_size	(Optional) Destination DB size
destination_ip	(Optional) Destination IP address
destination_port	(Optional) Destination IP port
destination_encoding	(Optional) Destination encoding

destination_transport	(Optional) Destination transport
destination_refcount	(Optional) Destination subscription count
TABLE_subscriptions	(Optional) Subscription table
subscription_id	(Optional) Subscription ID
subscription_db_size	(Optional) Subscription DB size
data_collector_type	(Optional) Data collector type
db_statistics	(Optional) DB Statistics
chunk_alloc_fail	(Optional) Chunk Alloc Fail
sensor_path_chunk_create_fail	(Optional) Sensor Path Chunk Create Fail
sensor_group_chunk_create_fail	(Optional) Sensor Group Chunk Create Fail
destination_chunk_create_fail	(Optional) Destination Chunk Create Fail
destination_group_chunk_create_fail	(Optional) Destination Group Chunk Create Fail
subscription_chunk_create_fail	(Optional) Subscription Chunk Create Fail
sensor_path_db_create_fail	(Optional) Sensor Path Db Create Fail
sensor_group_db_create_fail	(Optional) Sensor Group Db Create Fail
destination_db_create_fail	(Optional) Destination Db Create Fail
destination_group_db_create_fail	(Optional) Destination Group Db Create Fail
subscription_db_create_fail	(Optional) Subscription Db Create Fail
sensor_path_db_insert_fail	(Optional) Sensor Path Db Insert Fail
sensor_group_db_insert_fail	(Optional) Sensor Group Db Insert Fail
destination_db_insert_fail	(Optional) Destination Db Insert Fail
destination_group_db_insert_fail	(Optional) Destination Group Db Insert Fail
subscription_db_insert_fail	(Optional) Subscription Db Insert Fail
sensor_path_db_delete_fail	(Optional) Sensor Path Db Delete Fail
sensor_group_db_delete_fail	(Optional) Sensor Group Db Delete Fail
destination_db_delete_fail	(Optional) Destination Db Delete Fail
destination_group_db_delete_fail	(Optional) Destination Group Db Delete Fail
subscription_db_delete_fail	(Optional) Subscription Db Delete Fail
sensor_path_delete_in_use	(Optional) Sensor Path Delete In Use

sensor_group_delete_in_use	(Optional) Sensor Group Delete In Use
destination_delete_in_use	(Optional) Destination Delete In Use
destination_group_delete_in_use	(Optional) Destination Group Delete In Use
delete_destination_in_use_fail	(Optional) Delete Destination In Use Fail
sensor_path_sensor_group_list_create_fail	(Optional) Sensor Path Sensor Group List Create Fail
sensor_path_prop_list_create_fail	(Optional) Sensor Path Prop List Create Fail
sensor_path_secondary_sensor_path_list_create_fail	(Optional) Sensor Path Secondary Sensor Path List Create Fail
sensor_path_secondary_sensor_group_list_create_fail	(Optional) Sensor Path Secondary Sensor Group List Create Fail
sensor_group_sensor_path_list_create_fail	(Optional) Sensor Group Sensor Path List Create Fail
sensor_group_subscription_list_create_fail	(Optional) Sensor Group Subscription List Create Fail
destination_group_subscription_list_create_fail	(Optional) Destination Group Subscription List Create Fail
destination_group_destination_list_create_fail	(Optional) Destination Group Destination List Create Fail
destination_destination_group_list_create_fail	(Optional) Destination Destination Group List Create Fail
subscription_sensor_group_list_create_fail	(Optional) Subscription Sensor Group List Create Fail
subscription_destination_group_list_create_fail	(Optional) Subscription Destination Group List Create Fail
sensor_group_sensor_path_list_delete_fail	(Optional) Sensor Group Sensor Path List Delete Fail
sensor_group_subscription_list_delete_fail	(Optional) Sensor Group Subscription List Delete Fail
sensor_group_subscription_unsupported_data_source_fail	(Optional) Sensor Group Subscription Unsupported Data Source Fail
destination_group_subscription_list_delete_fail	(Optional) Destination Group Subscription List Delete Fail
destination_group_destination_list_delete_fail	(Optional) Destination Group Destination List Delete Fail
subscription_sensor_group_list_delete_fail	(Optional) Subscription Sensor Group List Delete Fail
subscription_destination_group_list_delete_fail	(Optional) Subscription Destination Group List Delete Fail
destination_destination_group_list_delete_fail	(Optional) Destination Destination Group List Delete Fail
destination_delete_from_destination_group_fail	(Optional) Destination Delete From Destination Group Fail
destination_group_delete_from_subscription_fail	(Optional) Destination Group Delete From Subscription Fail
sensor_group_delete_from_subscription_fail	(Optional) Sensor Group Delete From Subscription Fail
sensor_path_delete_from_sensor_group_fail	(Optional) Sensor Path Delete From Sensor Group Fail
get_encode_cb_fail	(Optional) Get Encode Cb Fail
get_transport_cb_fail	(Optional) Get Transport Cb Fail

Command Mode

- /exec

show telemetry data collector brief

show telemetry data collector { brief | details } [__readonly__ [{ TABLE_data_collector_brief <dcb_row_idx> <dcb_collector_type> <dcb_success_count> <dcb_fail_count> <dcb_skip_count> }] [{ TABLE_data_collector_details <dcd_row_idx> <dcd_success_count> <dcd_fail_count> <dcd_skip_count> <dcd_path_name> <dcd_grp_id> }]]

Syntax Description

show	Show running system information
telemetry	Show telemetry info
data	Show telemetry data info
collector	Show telemetry data collector info
brief	Show component level data collection stats
details	Show path level data collection stats
__readonly__	(Optional)
TABLE_data_collector_brief	(Optional) Data collector brief
dcb_row_idx	(Optional) Data collector brief index
dcb_collector_type	(Optional) Data collector type
dcb_success_count	(Optional) Data collector success count
dcb_fail_count	(Optional) Data collector fail count
dcb_skip_count	(Optional) Data collector skip count
TABLE_data_collector_details	(Optional) Data collector details
dcd_row_idx	(Optional) Data collector row index
dcd_success_count	(Optional) Data collector success count
dcd_fail_count	(Optional) Data collector fail count
dcd_skip_count	(Optional) Data collector skip count
dcd_path_name	(Optional) Data collector path name
dcd_grp_id	(Optional) Data collector group ID

Command Mode

- /exec

show telemetry event collector stats

show telemetry event collector { stats | errors } [__readonly__ [{ TABLE_event_collector_stats <ec_row_idx> <ec_collection_count> <ec_last_collection_ts> <ec_sensor_path> <ec_sensor_grp_id> }] [{ event_collector_errors <apic_cookie_gen_fail> <auth_fail> <auth_refresh_fail> <auth_refresh_timer_start_fail> <conn_timer_start_fail> <conn_attempts> <event_sub_init_fail> <event_data_enq_fail> <event_sub_fail> <event_sub_refresh_fail> <pending_sub_list_create_fail> <sub_hash_table_create_fail> <sub_hash_table_destroy_fail> <sub_hash_table_insert_fail> <sub_hash_table_remove_fail> <sub_refresh_timer_start_fail> <web_sock_conn_fail> }]]

Syntax Description

show	Show running system information
telemetry	Show telemetry info
event	Show telemetry event info
collector	Show telemetry event collector info
stats	Show all tm stat info
errors	Show all tm error info
__readonly__	(Optional)
event_collector_errors	(Optional) Event collection failure
apic_cookie_gen_fail	(Optional) Apic Cookie Generation Fail
auth_fail	(Optional) Authentication Fail
auth_refresh_fail	(Optional) Authentication Refresh Fail
auth_refresh_timer_start_fail	(Optional) Authentication Refresh Timer Start Fail
conn_timer_start_fail	(Optional) Connection Timer Start Fail
conn_attempts	(Optional) Connection Attempts
event_sub_init_fail	(Optional) Event Sub Init Fail
event_data_enq_fail	(Optional) Event Data Enqueue Fail
event_sub_fail	(Optional) Event Subscription Fail
event_sub_refresh_fail	(Optional) Event Subscription Refresh Fail
pending_sub_list_create_fail	(Optional) Pending Subscription List Create Fail
sub_hash_table_create_fail	(Optional) Subscription Hash Table Create Fail
sub_hash_table_destroy_fail	(Optional) Subscription Hash Table Destroy Fail
sub_hash_table_insert_fail	(Optional) Subscription Hash Table Insert Fail

sub_hash_table_remove_fail	(Optional) Subscription Hash Table Remove Fail
sub_refresh_timer_start_fail	(Optional) Subscription Refresh Timer Start Fail
web_sock_conn_fail	(Optional) Web Socket Connection Fail
TABLE_event_collector_stats	(Optional) Event collector stats table
ec_row_idx	(Optional) Event collector row index
ec_collection_count	(Optional) Event collection count
ec_last_collection_ts	(Optional) Last event collection timestamp
ec_sensor_path	(Optional) Event collection sensor path
ec_sensor_grp_id	(Optional) Event collection group ID

Command Mode

- /exec

show telemetry pipeline stats

show telemetry pipeline stats [__readonly__ { main_statistics { timers <start_fail> } { data_collector <dnode_create_fail> } { event_collector <enode_create_fail> <node_add_fail> <invalid_data> } { memory <allowed_limit> <occupied_mem> } } { queue_statistics { TABLE_queue <queue_name> <actual_size> <current_size> <max_size> <full_count> <enqueue_error> <dequeue_error> } }]

Syntax Description

show	Show running system information
telemetry	Show telemetry info
pipeline	Show telemetry pipeline info
stats	Show all telemetry pipeline stats
__readonly__	(Optional)
main_statistics	(Optional) Main Statistics
timers	(Optional) Timers Statistics
start_fail	(Optional) Timers start failure
data_collector	(Optional) Data collector Statistics
dnode_create_fail	(Optional) Data Node creation failure
event_collector	(Optional) Event collector Statistics
enode_create_fail	(Optional) Event Node creation failure
node_add_fail	(Optional) Node add failure
invalid_data	(Optional) Invalid data
memory	(Optional) Memory Statistics
allowed_limit	(Optional) Allowed memory limit
occupied_mem	(Optional) Occupied memory
queue_statistics	(Optional) Queue Statistics
TABLE_queue	(Optional) Queue table
queue_name	(Optional) Queue name
actual_size	(Optional) Actual size
current_size	(Optional) Current size
max_size	(Optional) Maximum size

full_count	(Optional) Full count
enqueue_error	(Optional) Enqueue error
dequeue_error	(Optional) Dequeue error

Command Mode

- /exec

show telemetry transport

show telemetry transport [<session_id> [{ stats | errors }]] [__readonly__ [{ TABLE_transport_info <session_idx> [<ip_address>] [<port>] [<dest_info>] [<encoding_type>] <transport_type> <transport_status> [<transport_security_cert_fname>] [<transport_last_connected>] [<transport_last_disconnected>] [<transport_errors_count>] [<transport_last_tx_error>] }] [<t_session_id>] [{ transport_statistics [{ connect_statistics <connect_count> <last_connected> <disconnect_count> <last_disconnected> }] { trans_statistics <compression> <source_interface_name> <source_interface_ip> <transmit_count> <last_tx_time> <min_tx_time> <max_tx_time> <avg_tx_time> <cur_tx_time> } }] [{ transport_errors { connect_errors <connect_errors_count> } { trans_errors <trans_errors_count> <last_tx_error> [<last_tx_return_code>] } }] [{ transport_retry_stats <ts_event_retry_bytes> <ts_event_retry_size> <ts_timer_retry_bytes> <ts_timer_retry_size> <ts_retries_sent> <ts_retries_dropped> }] [<retry_buffer_size>] [<event_retry_bytes>] [<timer_retry_bytes>] [<retries_sent>] [<retries_dropped>]]

Syntax Description

show	Show running system information
telemetry	Show telemetry info
transport	Show telemetry transport info
session_id	(Optional) Session id
stats	(Optional) Show all tm stat info
errors	(Optional) Show all tm error info
__readonly__	(Optional)
TABLE_transport_info	(Optional) Transport information
session_idx	(Optional) Session Id
ip_address	(Optional) Transport IP address
port	(Optional) Transport port
dest_info	(Optional) Destination information
encoding_type	(Optional) Encoding type
transport_type	(Optional) Transport type
transport_status	(Optional) Transport status
transport_security_cert_fname	(Optional) Transport security file name
transport_last_connected	(Optional) Transport last connected
transport_last_disconnected	(Optional) Transport last disconnected
transport_errors_count	(Optional) Transport errors count

transport_last_tx_error	(Optional) Transport last tx error
transport_statistics	(Optional) Transport statistics
t_session_id	(Optional) Transport Session id
connect_statistics	(Optional) Connection statistics
connect_count	(Optional) Connection count
last_connected	(Optional) Last connected timestamp
disconnect_count	(Optional) Disconnect count
last_disconnected	(Optional) Last disconnected timestamp
trans_statistics	(Optional) Transport statistics
compression	(Optional) Compression status
source_interface_name	(Optional) Source interface name
source_interface_ip	(Optional) Source interface ip
transmit_count	(Optional) Transmission count
last_tx_time	(Optional) Last Transmission time
min_tx_time	(Optional) Minimum transmission time
max_tx_time	(Optional) Maximum transmission time
avg_tx_time	(Optional) Average transmission time
cur_tx_time	(Optional) Current transmission time
transport_errors	(Optional) Transport errors
connect_errors	(Optional) Connection errors
connect_errors_count	(Optional) Connection error count
trans_errors	(Optional) Transport errors
trans_errors_count	(Optional) Transport error count
last_tx_error	(Optional) Last transport error
last_tx_return_code	(Optional) Last transport return code
transport_retry_stats	(Optional) Retry Statistics
ts_event_retry_bytes	(Optional) Event Retry buffer size
ts_timer_retry_bytes	(Optional) Timer Retry buffer size
ts_event_retry_size	(Optional) Event Retry number of messages

ts_timer_retry_size	(Optional) Timer Retry number of messages
ts_retries_sent	(Optional) Number of retries sent
ts_retries_dropped	(Optional) Number of retries dropped
event_retry_bytes	(Optional) Event Retry buffer size
timer_retry_bytes	(Optional) Timer Retry buffer size
retries_sent	(Optional) Number of retries sent
retries_dropped	(Optional) Number of retries dropped
retry_buffer_size	(Optional) Retry buffer size

Command Mode

- /exec

show telnet server

show telnet server [__readonly__ { operation_status <o_status> }]

Syntax Description

show	Show running system information
telnet	Show telnet server configuration
server	Show telnet server configuration
__readonly__	(Optional)
operation_status	(Optional) run-time information about telnet
o_status	(Optional) operational status of telnet server

Command Mode

- /exec

show terminal

show terminal [__readonly__ { <terminal_tty> } { <terminal_type> } { <terminal_length> } { <terminal_width> } { <session_timeout> } { <evnt_mgr_cli_evnt_bypass> } { <redirection_mode> } { <acc_log_all_commands> } [<vlan_mutex_value>] { <vlan_batch_mode> }]

Syntax Description

show	Show running system information
terminal	Display terminal configuration parameters
__readonly__	(Optional)
terminal_tty	(Optional)
terminal_type	(Optional)
terminal_length	(Optional)
terminal_width	(Optional)
session_timeout	(Optional)
evnt_mgr_cli_evnt_bypass	(Optional)
redirection_mode	(Optional)
acc_log_all_commands	(Optional)
vlan_mutex_value	(Optional)
vlan_batch_mode	(Optional)

Command Mode

- /exec

show terminal output xml version

show terminal output xml version [__readonly__ { xml_version <version> }]

Syntax Description

show	Show running system information
terminal	Display
output	Display
xml	Display
version	Display
__readonly__	(Optional)
xml_version	(Optional) xml version
version	(Optional) version

Command Mode

- /exec

show time-range

show time-range [<name>] [__readonly__ TABLE_timerange <timerange_name> <active> [TABLE_seqno <seqno> { { absolute [<start_abs_h> <start_abs_m> <start_abs_s> <start_abs_d> <start_abs_mon> <start_abs_y>] [<end_abs_h> <end_abs_m> <end_abs_s> <end_abs_d> <end_abs_mon> <end_abs_y>] } | { periodic { Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday | daily | weekdays | weekend } + <start_per_h> <start_per_m> <start_per_s> [<eday>] <end_per_h> <end_per_m> <end_per_s> } | { <remark> } }]]

Syntax Description

show	Show running system information
time-range	Define time range entries
name	(Optional) Time range name
__readonly__	(Optional)
TABLE_timerange	(Optional)
timerange_name	(Optional)
active	(Optional) active
TABLE_seqno	(Optional)
seqno	(Optional) Sequence number
absolute	(Optional)
periodic	(Optional)
remark	(Optional)
start_abs_h	(Optional)
start_abs_m	(Optional)
start_abs_s	(Optional)
start_abs_d	(Optional)
start_abs_mon	(Optional)
start_abs_y	(Optional)
end_abs_h	(Optional)
end_abs_m	(Optional)
end_abs_s	(Optional)
end_abs_d	(Optional)

end_abs_mon	(Optional)
end_abs_y	(Optional)
Monday	(Optional) Monday
Tuesday	(Optional) Tuesday
Wednesday	(Optional) Wednesday
Thursday	(Optional) Thursday
Friday	(Optional) Friday
Saturday	(Optional) Saturday
Sunday	(Optional) Sunday
daily	(Optional) Every day of the week
weekdays	(Optional) Monday thru Friday
weekend	(Optional) Saturday and Sunday
start_per_h	(Optional)
start_per_m	(Optional)
start_per_s	(Optional)
eday	(Optional) Day of the week
end_per_h	(Optional)
end_per_m	(Optional)
end_per_s	(Optional)

Command Mode

- /exec

show time-stamp running-config last-changed

show time-stamp running-config last-changed [__readonly__ <run_config_change_time>]

Syntax Description

show	Show running system information
time-stamp	Time running-config last chnaged
running-config	Current operating configuration
last-changed	Running configuration last changed
__readonly__	(Optional) Read only
run_config_change_time	(Optional) Running-cfg last change timestamp

Command Mode

- /exec

show track

show track { [<object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list threshold weight | list threshold percentage] } [__readonly__ { <show_track_start> { TABLE_track_detail <st_obj_id> <st_obj_type> [<st_obj_instance>] <st_obj_param> <st_obj_timer_value> [<st_obj_state>] [<st_obj_chg_cnt>] [<st_last_chg_time>] [<st_threshold_info>] [<st_track_list_obj>] + [<st_vrf>] [<st_ipsla_rcode>] [<st_ipsla_rtt>] [<show_track_clnt_hdr>] [<show_track_clnt_start>] [{ TABLE_track_clnt_info <st_client_name> [<st_client_iface>] [<st_client_group_id>] [<st_client_detail>] }] [<show_track_clnt_end>] [<st_track_list_info>] + <st_obj_up_delay> <st_obj_down_delay> } <show_track_end> }]

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
object-id	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
__readonly__	(Optional) Read only
show_track_start	(Optional) Show track start
TABLE_track_detail	(Optional) Track table detail
st_obj_id	(Optional) Object id
st_obj_type	(Optional) Object Type

st_obj_instance	(Optional) Object instance
st_obj_param	(Optional) Object parameter
st_obj_timer_value	(Optional) Current value of timer
st_obj_state	(Optional) Object status
st_obj_chg_cnt	(Optional) Count of Object state changes
st_last_chg_time	(Optional) Timestamp of last change
st_threshold_info	(Optional) Threshold Parameters
st_track_list_obj	(Optional) Objects part of this list
st_vrf	(Optional) VRF
st_ipsla_rcode	(Optional) IP SLA Return Code
st_ipsla_rtt	(Optional) IP SLA RTT
show_track_clnt_hdr	(Optional) Tracked by:
show_track_clnt_start	(Optional) Show track client start
TABLE_track_clnt_info	(Optional) Track client info
st_client_name	(Optional) Tracking client name
st_client_iface	(Optional) Tracking client interface
st_client_group_id	(Optional) Client group id
st_client_detail	(Optional) Tracking client detail
show_track_clnt_end	(Optional) End of track client
st_track_list_info	(Optional) Track list info
st_obj_up_delay	(Optional) Delay up notification
st_obj_down_delay	(Optional) Delay down notification
show_track_end	(Optional) End of Track

Command Mode

- /exec

show track brief

show track { [<object-id> | interface | ip { route | sla } | ipv6 routev6 | list boolean and | list boolean or | list threshold weight | list threshold percentage] } brief [__readonly__ { <show_track_brf_start> <show_track_brf_all_begin> { TABLE_track_brief <st_brf_obj_id> <st_brf_obj_type> <st_brf_obj_instance> <st_brf_obj_param> <st_brf_obj_state> <st_brf_last_chg_time> } <show_track_brf_end> }]

Syntax Description

show	Negate a command or set its defaults
track	Tracking information
object-id	(Optional) Tracked object
interface	(Optional) Interface objects
ip	(Optional) IPv4 Protocol objects
route	(Optional) route (ipv4) objects
sla	(Optional) Service Level Agreement objects
ipv6	(Optional) IPv6 Protocol objects
routev6	(Optional) route (ipv6) objects
list	(Optional) Tracklist objects
boolean	(Optional) Boolean Traclist
and	(Optional) AND boolean objects
or	(Optional) OR boolean objects
threshold	(Optional) Threshold parameters
weight	(Optional) Threshold weight
percentage	(Optional) Threshold percentage
brief	Brief output
__readonly__	(Optional) Read only
show_track_brf_start	(Optional) Show track brief start
show_track_brf_all_begin	(Optional) Start of all brief
TABLE_track_brief	(Optional) Track table brief
st_brf_obj_id	(Optional) Object id
st_brf_obj_type	(Optional) Object Type

st_brf_obj_instance	(Optional) Object instance
st_brf_obj_param	(Optional) Object parameter
st_brf_obj_state	(Optional) Object status
st_brf_last_chg_time	(Optional) Timestamp of last change
show_track_brf_end	(Optional) End of Group

Command Mode

- /exec

show troubleshoot l2 mac vlan

show troubleshoot l2 mac <mac-addr> vlan <vlan-id> [detail]

Syntax Description

show	Show running system information
troubleshoot	Display troubleshoot data dump
l2	Display l2 information
mac	MAC address
mac-addr	address
vlan	Vlan ID
vlan-id	vlan number
detail	(Optional) Print detailed debugging info for mac/interface

Command Mode

- /exec

show troubleshoot l3 ipv4 vrf

show troubleshoot l3 { ipv4 <dip4-prefix> [src-ip <sip4-prefix>] | ipv6 <dip6-prefix> [src-ip <sip6-prefix>] } vrf <vrf-name>

Syntax Description

show	
troubleshoot	Display troubleshoot data dump
l3	Display l3 information
ipv4	Choose IPv4 address
ipv6	Choose IPv6 address
dip4-prefix	Display single exact match route for Destination IP
vrf	check routes for a specific VRF
vrf-name	vrf name
src-ip	(Optional) Source IP for routing hash CLI
sip4-prefix	(Optional) Source IPv4 address

Command Mode

- /exec

show trunk protocol

show trunk protocol [__readonly__ <trunk_protocol_status>]

Syntax Description

show	Show running system information
trunk	Show trunk information
protocol	Show trunk protocol information
__readonly__	(Optional)
trunk_protocol_status	(Optional) trunk protocol status

Command Mode

- /exec

show ttag brief

show ttag brief [__readonly__ { TABLE_ttag <ttag-ifindex> <state> } <ttag-end>]

Syntax Description

ttag	enable ingress packet with ttag on this interface
brief	ttag port in brief list
__readonly__	(Optional) Read Only
TABLE_ttag	(Optional) ttag table
ttag-ifindex	(Optional) ttag ifindex
state	(Optional) TTAG state
ttag-end	(Optional) End of table

Command Mode

- /exec

show ttag brief

show ttag brief [__readonly__ { TABLE_ttag <ttag-ifindex> <state> } <ttag-end>]

Syntax Description

ttag	enable ingress packet with ttag on this interface
brief	ttag port in brief list
__readonly__	(Optional) Read Only
TABLE_ttag	(Optional) ttag table
ttag-ifindex	(Optional) ttag ifindex
ttag-end	(Optional) End of table
state	(Optional) TTAG state

Command Mode

- /exec

show tunnel iftable

show tunnel iftable [<ifindex-in>] [__readonly__ TABLE-tunnelIfTable <ifindex-out> <tunnelIfEncapsMethod> <tunnelIfHopLimit> <tunnelIfSecurity> <tunnelIfTOS> <tunnelIfFlowLabel> <tunnelIfAddressType> <tunnelIfLocalInetAddress> <tunnelIfRemoteInetAddress> <tunnelIfEncapsLimit>]

Syntax Description

show	Show running system information
tunnel	Show information about Tunnel
iftable	Show tunnel interface table
ifindex-in	(Optional) Tunnel ifindex
__readonly__	(Optional)
TABLE-tunnelIfTable	(Optional) Tunnel interface table
ifindex-out	(Optional) Tunnel ifindex
tunnelIfEncapsMethod	(Optional) Encapsulation Method
tunnelIfHopLimit	(Optional) Hop Limit
tunnelIfSecurity	(Optional) Security
tunnelIfTOS	(Optional) TOS
tunnelIfFlowLabel	(Optional) Flow Label
tunnelIfAddressType	(Optional) Address Type
tunnelIfLocalInetAddress	(Optional) Local IP Address
tunnelIfRemoteInetAddress	(Optional) Remote IP Address
tunnelIfEncapsLimit	(Optional) Encaps Limit

Command Mode

- /exec

show tunnel inetconfigtable

show tunnel inetconfigtable [<tunnelInetConfigAddressType-in> [[<tunnelInetConfigLocalAddress-in> [<tunnelInetConfigRemoteAddress-in> [<tunnelInetConfigEncapsMethod-in> [<tunnelInetConfigID-in>]]]]]] [__readonly__ TABLE-tunnelInetConfigTable <tunnelInetConfigAddressType-out> <tunnelInetConfigLocalAddress-out> <tunnelInetConfigRemoteAddress-out> <tunnelInetConfigEncapsMethod-out> <tunnelInetConfigID-out> <tunnelInetConfigIfIndex> <tunnelInetConfigStatus> <tunnelInetConfigStorageType>]

Syntax Description

show	Show running system information
tunnel	Show information about Tunnel
inetconfigtable	Show inet config table
tunnelInetConfigAddressType-in	(Optional) Address Type
tunnelInetConfigLocalAddress-in	(Optional) Local IP Address
tunnelInetConfigRemoteAddress-in	(Optional) Remote IP Addess
tunnelInetConfigEncapsMethod-in	(Optional) Encapsulation Method
tunnelInetConfigID-in	(Optional) Configuration ID
__readonly__	(Optional)
TABLE-tunnelInetConfigTable	(Optional) Tunnel Inet Config Table
tunnelInetConfigAddressType-out	(Optional) Address Type
tunnelInetConfigLocalAddress-out	(Optional) Local IP Address
tunnelInetConfigRemoteAddress-out	(Optional) Remote IP Addess
tunnelInetConfigEncapsMethod-out	(Optional) Encapsulation Method
tunnelInetConfigID-out	(Optional) Configuration ID
tunnelInetConfigIfIndex	(Optional) If Index
tunnelInetConfigStatus	(Optional) Row Status
tunnelInetConfigStorageType	(Optional) Storage Type

Command Mode

- /exec

U Show Commands

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show udld

show udld [<if0>] [__readonly__ TABLE_interface <interface> <mib-port-status> <mib-oper-status> <mib-aggresive-mode> <admin-port-mode> <operational-port-mode> <current-bidirectional-state> <current-operational-state> <no-multiple-neighbor-detected> <message-interval> <timeout-interval> TABLE_entry [<entry-number>] [<expiration-time>] [<device-id>] [<neighbor-state>] [<device-name>] [<port-id>] [<neighbor-echo-device-number>] [<neighbor-echo-device-name>] [<neighbor-echo-port-number>] [<neighbor-echo-port-id>] [<neighbor-message-interval>] [<neighbor-timeout-interval>] [<cdp-device-name>] [<pkt-xmt-rec-time>] + [<pc-index>]]

Syntax Description

show	Show running system information
udld	UDLD status and configuration on one or all interfaces
if0	(Optional) Enter an interface name if only one single interface status is desired
__readonly__	(Optional)
TABLE_interface	(Optional)
interface	(Optional) Interface ID
mib-port-status	(Optional) Port MIB enable status
mib-oper-status	(Optional) Port MIB Operational status
mib-aggresive-mode	(Optional) Port MIB aggresive mode
admin-port-mode	(Optional) Port enable administration configuration setting
operational-port-mode	(Optional) Port enable operational state
current-bidirectional-state	(Optional) Current bidirectional state
current-operational-state	(Optional) Current operational state
no-multiple-neighbor-detected	(Optional) No multiple neighbor detected
message-interval	(Optional) UDLD probe messsage interval
timeout-interval	(Optional) UDLD detection timeout interval
TABLE_entry	(Optional) Neighbor entry info
entry-number	(Optional) Neighbor entry number
expiration-time	(Optional) Expiration time
device-id	(Optional) Device ID
neighbor-state	(Optional) Current neighbor state

device-name	(Optional) Device name
port-id	(Optional) Port ID
neighbor-echo-device-number	(Optional) Echo device number
neighbor-echo-device-name	(Optional) Echo device name
neighbor-echo-port-number	(Optional) Echo port number
neighbor-echo-port-id	(Optional) Echo port ID
neighbor-message-interval	(Optional) UDLD probe messsage interval
neighbor-timeout-interval	(Optional) UDLD detection timeout interval
cdp-device-name	(Optional) CDP Device name
pkt-xmt-rec-time	(Optional) Last UDLD packet send/recv time
pc-index	(Optional) Port channel index

Command Mode

- /exec

show udld global

show udld global [__readonly__ <udld-global-mode> <message-interval>]

Syntax Description

show	Show running system information
udld	UDLD protocol
global	UDLD global status and configuration on all interfaces
__readonly__	(Optional)
udld-global-mode	(Optional) UDLD global configuration setting
message-interval	(Optional) UDLD probe messsage interval

Command Mode

- /exec

show udld neighbors

show udld neighbors [__readonly__ TABLE_entry <local-port-id> <neighbor-echo-device-name> <device-id> <neighbor-echo-port-id> <neighbor-state>]

Syntax Description

show	Show running system information
udld	UDLD protocol
neighbors	UDLD neighbor interfaces
__readonly__	(Optional)
TABLE_entry	(Optional)
local-port-id	(Optional) Local port ID
neighbor-echo-device-name	(Optional) Echo device name
device-id	(Optional) Device ID
neighbor-echo-port-id	(Optional) Echo port ID
neighbor-state	(Optional) Current neighbor state

Command Mode

- /exec

show ulib process

show ulib process

Syntax Description

show	Show running system information
ulib	Display ULIB status and configuration
process	ULIB Process information

Command Mode

- /exec

show user-account

show user-account [<s0>] [__readonly__ TABLE_template <usr_name> [<expire_date>] { TABLE_role <role> } [<remote_login>] [<sshkey_info>] { [TABLE_keys <ssh_keys>] }]

Syntax Description

show	Show running system information
TABLE_template	(Optional)
TABLE_role	(Optional)
TABLE_keys	(Optional)
__readonly__	(Optional)
usr_name	(Optional) Name of the user
expire_date	(Optional) Expiry date for this user account(in YYYY-MM-DD format)
role	(Optional) role/s which the user is to be assigned to
remote_login	(Optional) Remote account information for a remote user
sshkey_info	(Optional) SSH key information of user
ssh_keys	(Optional) SSH key pairs of the user
user-account	Show user information
s0	(Optional) User name

Command Mode

- /exec

show username keypair

show username <s0> keypair [__readonly__ { TABLE_sessions <t_type> <t_time> <t_keys> <t_bitcount> <t_fingerprint> }]

Syntax Description

show	Show running system information
username	Show user information.
keypair	Show SSH keypairs
s0	user name
__readonly__	(Optional)
TABLE_sessions	(Optional) username keypair
t_type	(Optional) keys type
t_time	(Optional) timestamp
t_keys	(Optional) ssh key
t_bitcount	(Optional) bitcount
t_fingerprint	(Optional) fingerprint

Command Mode

- /exec

show userpassphrase

show userpassphrase { min-length | max-length | length } [__readonly__ [Minimum_length <min_length>] [Maximum_length <max_length>]]

Syntax Description

show	Show running system information
userpassphrase	user passphrase
min-length	passphrase minimum length
max-length	passphrase maximum length
length	passphrase min and max length
__readonly__	(Optional)
Minimum_length	(Optional) minimum length of the passphrase
min_length	(Optional) Absolute value of the Minimum length
Maximum_length	(Optional) Maximum length of the passphrase
max_length	(Optional) Absolute value of max length

Command Mode

- /exec

show users

show users [__readonly__ { TABLE_sessions <u_name> <t_terminal> <t_time> <t_idle> <p_pid> <c_comment> }]

Syntax Description

show	Show running system information
users	Show the current users logged in the system
__readonly__	(Optional)
TABLE_sessions	(Optional) users table
u_name	(Optional) user name
t_terminal	(Optional) terminal
t_time	(Optional) time
t_idle	(Optional) idle
p_pid	(Optional) pid
c_comment	(Optional) comment

Command Mode

- /exec

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show vdc

{ show vdc [<e-vdc2>] [feature-set | detail | membership [all | status | module <module>] | shared membership] [__readonly__ [detail2] [<swmode>] { TABLE_vdc <vdc_id> <vdc_name> <state> <mac> <hap> <sw> <boot_order> [<prio> <prio_per>] [<create_time>] [<reload_count>] [<restart_count>] [<restart_time>] [<restart_reason>] <vtype> <lc-support> [TABLE_fs <fs_id> <fs_name>] [TABLE_port <port-list>] }] }

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
e-vdc2	(Optional) Enter Virtual Device Context <vdc-id>
detail	(Optional) Show detailed vdc information
membership	(Optional) Show vdc interface membership information
shared	(Optional) Show the shared interfaces in a vdc
membership	(Optional) Show the shared interfaces in a vdc
module	(Optional) Show vdc interface membership information for a specific module only
module	(Optional) Show vdc interface membership information for a specific module only
status	(Optional) Show vdc related port-status
feature-set	(Optional) Show vdc feature-set information
all	(Optional) Show offline modules as well
__readonly__	(Optional) Read Only
detail2	(Optional)
swmode	(Optional)
TABLE_vdc	(Optional)
vdc_id	(Optional) vdc-id
TABLE_port	(Optional)
port-list	(Optional) port membership for VDC
vdc_name	(Optional) vdc-name
state	(Optional) state
mac	(Optional) mac address for VDC

hap	(Optional) hap policy
sw	(Optional) sw policy
vtype	(Optional)
lc-support	(Optional)
create_time	(Optional)
reload_count	(Optional)
restart_count	(Optional)
restart_time	(Optional)
restart_reason	(Optional)
TABLE_fs	(Optional)
fs_id	(Optional) fs id
fs_name	(Optional)
boot_order	(Optional)
prio	(Optional)
prio_per	(Optional)

Command Mode

- /exec

show vdc current-vdc

show vdc current-vdc [__readonly__ <mode> <name>]

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
current-vdc	Show which vdc you are currently in
__readonly__	(Optional) Read Only
mode	(Optional) cli mode
name	(Optional) vdc name

Command Mode

- /exec

show vdc fcoe-vlan-range

show vdc fcoe-vlan-range [__readonly__ <fcoe-vdc> [<fcoe-vlans>] [<sharing-vdcs>]]

Syntax Description

show	Show Virtual Device Contexts
vdc	Show Virtual Device Contexts
fcoe-vlan-range	vlans reserved for FCoE
__readonly__	(Optional) Read Only
fcoe-vdc	(Optional)
sharing-vdcs	(Optional)
fcoe-vlans	(Optional)

Command Mode

- /exec

show vdc resource

show vdc <id> resource [<res-mgr-res-known-name>] [__readonly__ { TABLE_vdc_resource_single_vdc <res_name> <min> <max> <used> <unused> <free> }]

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
id	Enter Virtual Device Context <vdc-id>
resource	Show resource configuration for VDC
res-mgr-res-known-name	(Optional) Resource name
__readonly__	(Optional) Read Only
res_name	(Optional) Resource Name
min	(Optional) Resource min configuration
max	(Optional) Resource max configuration
used	(Optional) Resource current usage for this VDC
unused	(Optional) Resource reserved for this VDC but currently not used
free	(Optional) Resource current free for this VDC
TABLE_vdc_resource_single_vdc	(Optional)

Command Mode

- /exec

show vdc resource

show vdc resource [<res-mgr-res-known-name>] [detail | hidden-too | with-flags] + [__readonly__ { TABLE_resource <resource_name> <total_used> <total_unused> <total_free> <total_avail> <total> [TABLE_vdc_resource_across_vdcs <vdc_name> <min> <max> <used> <unused> <free>] }]

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
resource	Show resource configuration across VDCs
res-mgr-res-known-name	(Optional) Resource name
detail	(Optional) Show detail resource configuration
hidden-too	(Optional) Also show hidden resources
with-flags	(Optional) Also show resource flags
__readonly__	(Optional) Read Only
TABLE_resource	(Optional)
resource_name	(Optional) Resource Name
total_used	(Optional) Resource current usage for all VDC
total_unused	(Optional) Resources currently reserved but not used across all VDC
total_free	(Optional) Resource current free for all VDC
total_avail	(Optional) Resource current available across all VDC
total	(Optional) Resources grand total
TABLE_vdc_resource_across_vdcs	(Optional)
vdc_name	(Optional) VDC name
min	(Optional) Resource min configuration
max	(Optional) Resource max configuration
used	(Optional) Resource current usage for this VDC
unused	(Optional) Resource reserved for this VDC but currently not used
free	(Optional) Resource current free for this VDC

Command Mode

- /exec

show vdc resource template

show vdc resource template [<res-mgr-template-known-name-all>] [__readonly__ TABLE_template <template_name> { TABLE_resource <resource_name> <min> <max> }]

Syntax Description

show	Show running system information
vdc	Show Virtual Device Contexts
resource	Show resource configuration for VDC
template	Resource template configuration
res-mgr-template-known-name-all	(Optional) Resource template name
__readonly__	(Optional) Read Only
TABLE_template	(Optional)
template_name	(Optional) Resource Template Name
TABLE_resource	(Optional)
resource_name	(Optional) Resource Name
min	(Optional) Resource min configuration
max	(Optional) Resource max configuration

Command Mode

- /exec

show version

show version [__readonly__ <header_str> <bios_ver_str> [<loader_ver_str>] <kickstart_ver_str> [<sys_ver_str>] <bios_cmpl_time> <kick_file_name> <kick_cmpl_time> <kick_tmstmp> [<isan_file_name>] [<isan_cmpl_time>] [<isan_tmstmp>] [<boot_lxc_mode>] <chassis_id> [<module_id>] <cpu_name> <memory> <mem_type> <proc_board_id> <host_name> <bootflash_size> [<slot0_size>] [<slot1_size>] <kern_uptm_days> <kern_uptm_hrs> <kern_uptm_mins> <kern_uptm_secs> [<rr_usecs>] [<rr_ctime>] <rr_reason> <rr_sys_ver> <rr_service> <manufacturer> [TABLE_smu_list <install_smu_id> +] [TABLE_package_list <package_id> +]]

Syntax Description

show	
version	Show the software version
__readonly__	(Optional)
header_str	(Optional)
bios_ver_str	(Optional)
loader_ver_str	(Optional)
kickstart_ver_str	(Optional)
sys_ver_str	(Optional)
bios_cmpl_time	(Optional)
kick_file_name	(Optional)
kick_cmpl_time	(Optional)
kick_tmstmp	(Optional)
isan_file_name	(Optional)
isan_cmpl_time	(Optional)
isan_tmstmp	(Optional)
boot_lxc_mode	(Optional)
chassis_id	(Optional)
module_id	(Optional)
cpu_name	(Optional)
memory	(Optional)
mem_type	(Optional)
proc_board_id	(Optional)

host_name	(Optional)
bootflash_size	(Optional)
slot0_size	(Optional)
slot1_size	(Optional)
kern_uptm_days	(Optional)
kern_uptm_hrs	(Optional)
kern_uptm_mins	(Optional)
kern_uptm_secs	(Optional)
rr_usecs	(Optional)
rr_ctime	(Optional)
rr_reason	(Optional)
rr_sys_ver	(Optional)
rr_service	(Optional)
manufacturer	(Optional)
TABLE_smu_list	(Optional)
install_smu_id	(Optional)
TABLE_package_list	(Optional)
package_id	(Optional) Package name

Command Mode

- /exec

show version compatibility

show version compatibility <uri0>

Syntax Description

show	Show running system information
version	Show the software version
compatibility	Show the software compatibility matrix with given image
uri0	Enter URI

Command Mode

- /exec

show version epld

show version epld <uri0> [__readonly__ <image-info> [{ TABLE_module_info <module-type> <model> <epld-device> <version> }]]

Syntax Description

show	Show running system information
version	Show the software version
epld	Show EPLD versions available in EPLD image
uri0	Local URI containing EPLD Image
__readonly__	(Optional)
image-info	(Optional) image file info
TABLE_module_info	(Optional)
module-type	(Optional) module type
model	(Optional) model
epld-device	(Optional) epld device
version	(Optional) version

Command Mode

- /exec

show version image

show version image <uri0> [__readonly__ <md5_str> <img_file_name> [<bios_ver_str>] <sys_ver_str> <img_cmpl_time> [<img_tmstmp>]]

Syntax Description

show	Show running system information
version	Show the software version
image	Show the software version of a given image
uri0	Enter URI
__readonly__	(Optional)
md5_str	(Optional)
img_file_name	(Optional)
bios_ver_str	(Optional)
sys_ver_str	(Optional)
img_cmpl_time	(Optional)
img_tmstmp	(Optional)

Command Mode

- /exec

show version module

show version module <module> [__readonly__ { TABLE_version <slot> <type> <sw> <interim> <bios> }]

Syntax Description

show	Show running system information
version	Show the software version
module	Show the software version of a Module
module	Enter module number
__readonly__	(Optional)
TABLE_version	(Optional) Show version info
slot	(Optional) Slot
type	(Optional) image type
sw	(Optional) SW version
interim	(Optional) SW interim version
bios	(Optional) BIOS version

Command Mode

- /exec

show version module epld

show version module <module> epld [__readonly__ { [<header_info>] [<module>] [<mi_iofpga> <version>] [<io_fpga> <version>] [<mi_iofpga2> <version>] [<mi_iofpga3> <version>] [<mi_iofpga4> <version>] [<mi_iofpga5> <version>] [<mi_iofpga6> <version>] [<cpu_iofpga> <version>] [<db_fpga> <version>] }]

Syntax Description

show	Show running system information
version	Show the software version
module	Show the software version of a Module
module	Enter module number
epld	Show a module's current EPLD versions
__readonly__	(Optional)
header_info	(Optional)
module	(Optional)
mi_iofpga	(Optional)
io_fpga	(Optional)
mi_iofpga2	(Optional)
mi_iofpga3	(Optional)
mi_iofpga4	(Optional)
mi_iofpga5	(Optional)
mi_iofpga6	(Optional)
cpu_iofpga	(Optional)
db_fpga	(Optional)
version	(Optional)

Command Mode

- /exec

show virtual-service

show virtual-service [{ list } | { global } | { detail [name <virt_serv_name>] } | { core [name <virt_serv_name_core>] }] [__readonly__ [<infrastructure_major_version> <infrastructure_minor_version> <total_virtual_services_installed> <total_virtual_services_activated> <machine_types_supported> <machine_types_disabled> <maximum_vcpus_per_virtual_service> TABLE_resource_limits <media_name> <quota> <committed> <available>] [TABLE_list <name> <status> <package_name>] [TABLE_detail <name> <state> <package_name> <ova_path> <application_name> <application_version> <application_description> <key_type> <signing_method> <licensing_name> <licensing_version> <disk_reservation> <memory_reservation> <cpu_reservation> TABLE_attached_devices <type> <name> <alias>] [TABLE_core <name> <name_core>]]

Syntax Description

show	Show running system information
virtual-service	Display virtualization service information
global	(Optional) Virtual service global information
list	(Optional) List virtual services
detail	(Optional) Detailed information
core	(Optional) Core information
name	(Optional) Information for a specific virtual service
virt_serv_name	(Optional) Name of a virtual service
virt_serv_name_core	(Optional) Name of a virtual service
__readonly__	(Optional) Read Only
infrastructure_major_version	(Optional) Infrastructure major version
infrastructure_minor_version	(Optional) Infrastructure minor version
total_virtual_services_installed	(Optional) Total virtual services installed
total_virtual_services_activated	(Optional) Total virtual services activated
maximum_vcpus_per_virtual_service	(Optional) Maximum VCPUs per virtual service
machine_types_supported	(Optional) Machine types supported
machine_types_disabled	(Optional) Machine types disabled
TABLE_resource_limits	(Optional) Virtual service global resource limits
media_name	(Optional) Resource name
quota	(Optional) Resource Virtualization quota
committed	(Optional) Resource Virtualization committed

available	(Optional) Resource Virtualization available
TABLE_list	(Optional) Virtual service list table
name	(Optional) Virtual service name
status	(Optional) Virtual service status
package_name	(Optional) Virtual service package name
TABLE_detail	(Optional) Virtual service detail table
name	(Optional) Virtual service name
package_name	(Optional) Virtual service package name
application_name	(Optional) Name of the application
application_version	(Optional) Version of the application
application_description	(Optional) Description of the application
key_type	(Optional) Virtual service key type
signing_method	(Optional) Method used to sign the package
licensing_name	(Optional) Name of the license
licensing_version	(Optional) Version of the license
ova_path	(Optional) Virtual service OVA path
state	(Optional) Virtual service state
disk_reservation	(Optional) Virtual service disk reservation
memory_reservation	(Optional) Virtual service memory reservation
cpu_reservation	(Optional) Virtual service CPU reservation
TABLE_attached_devices	(Optional) Attached devices table
type	(Optional) Type of the attached device
name	(Optional) Name of the attached device
alias	(Optional) Alias for the attached device
TABLE_core	(Optional) Virtual service core table
name	(Optional) Virtual service name
name_core	(Optional) Name of core

Command Mode

- /exec

show virtual-service storage pool list

show virtual-service storage pool list [__readonly__ [TABLE_storage <pool_name> <pool_type> <pool_path>]]

Syntax Description

show	Show running system information
virtual-service	Display virtualization service storage pool information
storage	Storage information about virtual service
pool	Storage pool information about virtual service
list	List storage pool for virtual service
__readonly__	(Optional) Read Only
TABLE_storage	(Optional) Virtual service storage pool list table
pool_name	(Optional) Virtual service storage pool name
pool_type	(Optional) Virtual service storage pool type
pool_path	(Optional) Virtual service storage pool path

Command Mode

- /exec

show virtual-service tech-support

show virtual-service tech-support

Syntax Description

show	Show running system information
virtual-service	Gather information for virtualization services trouble shooting
tech-support	Gather information for trouble shooting

Command Mode

- /exec

show virtual-service utilization name

show virtual-service utilization name <virt_serv_name> [__readonly__ [TABLE_cpu <request> <actual> <state>] [TABLE_memory <allocation> <used>] [TABLE_storage <name> <alias> <capacity> <used> <available> <usage>]]

Syntax Description

show	Show running system information
virtual-service	Display virtualization service utilization information
utilization	Utilization information about virtual service
name	Utilization of a virtual service
virt_serv_name	Name of a virtual service
__readonly__	(Optional) Read Only
TABLE_storage	(Optional) Virtual service storage utilization
name	(Optional) storage device name
alias	(Optional) storage device alias
capacity	(Optional) Capacity 1k blocks
used	(Optional) Used 1k blocks
available	(Optional) Available 1k blocks
usage	(Optional) Usage
TABLE_memory	(Optional) Virtual service memory utilization
allocation	(Optional) Memory allocation
used	(Optional) Memory used
TABLE_cpu	(Optional) Virtual service cpu utilization
request	(Optional) Requested Application Utilization
actual	(Optional) Actual Application Utilization
state	(Optional) CPU state

Command Mode

- /exec

show virtual-service version

show virtual-service version { { installed } | { name <virt_serv_name> installed } } [__readonly__ <virt_service_name> <application_name> <application_version>]

Syntax Description

show	Show running system information
virtual-service	Display virtualization service version information
version	Version information about virtual service
installed	Installed version
name	Version of a virtual service
virt_serv_name	Name of a virtual service
__readonly__	(Optional) Read Only
virt_service_name	(Optional) Virtual service name
application_name	(Optional) Application name
application_version	(Optional) Application version

Command Mode

- /exec

show vlan-mgr errors

show vlan-mgr errors

Syntax Description

show	Show running system information
vlan-mgr	Show vlan manager event history
errors	Show vlan manager errors

Command Mode

- /exec

show vlan-mgr event-history

show vlan-mgr event-history

Syntax Description

show	Show running system information
vlan-mgr	Show vlan manager event history
event-history	Show vlan manager event history

Command Mode

- /exec

show vlan

show vlan [controller] [__readonly__ <vlanshowbr-hdr> { TABLE_vlanbrief <vlanshowbr-vlanid> <vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [<vlanshowplist-ifidx> +] } <vlanshowinfo-mtu-hdr> { TABLE_mtuinfo <vlanshowinfo-vlanid> <vlanshowinfo-media-type> <vlanshowinfo-vlanmode> } [<vlanshowrspan-hdr1>] [<vlanshowrspan-vlantype>] [<vlanshowrspan-hdr2>] [<vlanshowrspan-vlanbitmap>] [<pvlan-hdr>] [<pvlan-section>] [<pvlan-stby>] <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
controller	(Optional) Controller VLAN status
__readonly__	(Optional) Read Only
TABLE_vlanbrief	(Optional) VLAN brief table format
TABLE_mtuinfo	(Optional) MTU information table format
vlanshowbr-hdr	(Optional) VLAN brief header
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanid-utf	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanname	(Optional) VLAN brief VLAN name
vlanshowbr-vlanstate	(Optional) VLAN brief VLAN state
vlanshowbr-shutstate	(Optional) VLAN brief shutdown state
vlanshowplist-ifidx	(Optional) Port list ifindex
vlanshowinfo-mtu-hdr	(Optional) Vlan info mtu header
vlanshowinfo-vlanid	(Optional) Vlan info VLAN ID
vlanshowinfo-media-type	(Optional) Select media type
vlanshowinfo-vlanmode	(Optional) VLAN brief VLAN mode
vlanshowrspan-hdr1	(Optional) RSPAN VLAN header for one VLAN
vlanshowrspan-hdr2	(Optional) RSPAN VLAN header for multiple VLANs
vlanshowrspan-vlantype	(Optional) RSPAN VLAN one VLAN rspan or non-rspan
vlanshowrspan-vlanbitmap	(Optional) RSPAN VLAN multiple VLANs
show-end	(Optional) Show vlan end marker

true-end	(Optional) Show vlan end marker
pvlan-hdr	(Optional) private vlan section
pvlan-section	(Optional) private vlan section
pvlan-stby	(Optional) private vlan section on standby

Command Mode

- /exec

show vlan access-list

show vlan access-list <name> [<inp_seqno>] [__readonly__ TABLE_vacl <vacl_name> [<vacl_seqno>] [TABLE_list <ip_ipv6_mac> <acl_name> [TABLE_seqno <seqno> { <permitdeny> [<proto_str> | <proto> | <ip> | <ipv6>] { <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> | <src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [<src_port_op> [<src_port1_str>] { <src_port1_num> } [<src_port2_str> | <src_port2_num>] | <src_portgrp>] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> | <dest_ipv6_addr> <dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [<dest_port_op> [<dest_port1_str>] { <dest_port1_num> } [<dest_port2_str> | <dest_port2_num>] | <dest_portgrp>] [{ <icmp_type> [<icmp_code>] | <icmp_str> } | { <icmpv6_type> [<icmpv6_code>] | <icmpv6_str> }] [<igmp_type> | <igmp_type_str>] [[<precedence> | <precedence_str>] [<tos> | <tos_str>] | [<dscp> | <dscp_str>] | [<ttl>]] [<log>] [<udfs>] [<capture_session>] [<fragments>] [<plen_op> <plen1> [<plen2>]] [<urg>] [<ack>] [<psh>] [<rst>] [<syn>] [<fin>] [<established>] [<http-method> | <http_opt_str>] [<tcp-option-length>] [<tcp-flags-mask>] [<flow_label>] [<timerange>] [<eth_proto> | <eth_proto_str>] [<vlan>] [<cos>] [<match_count>] | [TABLE_match <module> <module_match_count>] | [<nve_vni>] | [<nve_vni>] | [<label1> [<label2> <label3> <label4>]] <remark> }] [<action> <actionid>]]]

Syntax Description

show	Show running system information
vlan	Vlan commands
access-list	Vlan access list
name	List name
inp_seqno	(Optional) Sequence number
vacl_name	(Optional) List name
__readonly__	(Optional)
vacl_seqno	(Optional) Sequence number
TABLE_vacl	(Optional)
TABLE_list	(Optional)
ip_ipv6_mac	(Optional) IP/iIPV6/MAC
acl_name	(Optional) Access list name
seqno	(Optional) Sequence number
permitdeny	(Optional) Permit/deny
proto	(Optional) A protocol number
TABLE_seqno	(Optional)
proto_str	(Optional) Protocol name

ip	(Optional) IP
ipv6	(Optional) IPV6
src_any	(Optional) SRCAny
dest_any	(Optional) DESTAny
src_ip_prefix	(Optional) Source IP prefix
src_ip_addr	(Optional) Source IP address
src_ip_mask	(Optional) Source IP mask
mac_src	(Optional) Source MAC address
mac_src_wild	(Optional) Source MAC mask
dest_ip_prefix	(Optional) Destination IP prefix
dest_ip_addr	(Optional) Destination IP address
dest_ip_mask	(Optional) Destination IP mask
mac_dest	(Optional) Destination MAC address
mac_dest_wild	(Optional) Destination MAC mask
src_port_op	(Optional) Source Port operator
dest_port_op	(Optional) Destination Port operator
src_port1_str	(Optional) Source port name
src_port1_num	(Optional) Source port number
src_port2_str	(Optional) Source port name
src_port2_num	(Optional) Source port number
dest_port1_str	(Optional) Destination port name
dest_port1_num	(Optional) Destination port number
dest_port2_str	(Optional) Destination port name
dest_port2_num	(Optional) Destination port number
icmp_type	(Optional) ICMP type
icmp_code	(Optional) ICMP code
icmp_str	(Optional) ICMP message
icmpv6_type	(Optional) ICMP type
icmpv6_code	(Optional) ICMP code

icmpv6_str	(Optional) ICMP message
igmp_type	(Optional) IGMP type
igmp_type_str	(Optional) IGMP type String
precedence	(Optional) precedence
precedence_str	(Optional) precedence string
tos	(Optional) tos
tos_str	(Optional) tos string
dscp	(Optional) dscp
dscp_str	(Optional) dscp string
udfs	(Optional) udfs string
ttl	(Optional) ttl
capture_session	(Optional) capture session
log	(Optional) Log
fragments	(Optional) Fragments
urg	(Optional) URG
ack	(Optional) ACK
psh	(Optional) PSH
rst	(Optional) RST
syn	(Optional) SYN
fin	(Optional) FIN
established	(Optional) ESTABLISHED
http-method	(Optional) http-method
http_opt_str	(Optional) http_option string
tcp-option-length	(Optional) TCP Option size
tcp-flags-mask	(Optional) TCP Flags mask
flow_label	(Optional) IPv6 flow label
timerange	(Optional) Time-range
eth_proto	(Optional) MAC protocol number
eth_proto_str	(Optional) MAC protocol name

vlan	(Optional) VLAN number
cos	(Optional) CoS value
match_count	(Optional) Number of packets matching the ACL
TABLE_match	(Optional)
module	(Optional) Module name
module_match_count	(Optional) Number of packets matching the ACL
nve_vni	(Optional) nve vni
remark	(Optional) Remark String
src_addrgrp	(Optional) Source address group
dest_addrgrp	(Optional) Destination address group
src_portgrp	(Optional) Source port group
dest_portgrp	(Optional) Destination port group
plen_op	(Optional) Source Port operator
plen1	(Optional) Packet length minimum
plen2	(Optional) packet length maximum
label1	(Optional) mpls label one
label2	(Optional) mpls label two
label3	(Optional) mpls label three
label4	(Optional) mpls label four
action	(Optional) Action
actionid	(Optional) redirect: Ethernet1/1,port-channel1 set-erspan-dscp: <1-63> set-erspan-gre-proto: <1-65535>

Command Mode

- /exec

show vlan access-map

show vlan access-map [<name>] [__readonly__ [TABLE_vacl <vacl_name> [TABLE_seqno [<seqno>] [<ip_ipv6_mac> { <match_name> } + [<action_drop>] [<action_log>] [<action_fwd>] [<action_capture>] [<action_redirect> <intf>]] [<statistics>]]]]

Syntax Description

show	Show running system information
vlan	Vlan commands
access-map	List VLAN access maps
name	(Optional) List name
vacl_name	(Optional) List name
__readonly__	(Optional)
seqno	(Optional) Sequence number
TABLE_vacl	(Optional)
TABLE_seqno	(Optional)
ip_ipv6_mac	(Optional) IP/iIPV6/MAC
match_name	(Optional) Access list name
action_drop	(Optional) DROP
action_log	(Optional) LOG
action_fwd	(Optional) FWD
action_capture	(Optional) CAPTURE
action_redirect	(Optional) REDIRECT
intf	(Optional) Interface traffic is redirected to
statistics	(Optional) STATISTICS

Command Mode

- /exec

show vlan all-ports

show vlan all-ports [__readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefallports <vlanshowbr-vlanid> <vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [<vlanshowplist-ifidx> +] } <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
all-ports	Show all ports on VLAN
__readonly__	(Optional) Read Only
TABLE_vlanbriefallports	(Optional) VLAN brief table format
vlanshowbr-hdr	(Optional) VLAN brief header
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanid-utf	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanname	(Optional) VLAN brief VLAN name
vlanshowbr-vlanstate	(Optional) VLAN brief VLAN state
vlanshowbr-shutstate	(Optional) VLAN brief shutdown state
vlanshowplist-ifidx	(Optional) Port list ifindex
show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan counters

show vlan counters [__readonly__ { TABLE_vlancounters <vlanshowbr-vlanid> [<l2_ing_ucast_b>] [<l2_ing_ucast_p>] [<l2_ing_mcast_b>] [<l2_ing_mcast_p>] [<l2_ing_bcast_b>] [<l2_ing_bcast_p>] [<l2_egr_ucast_b>] [<l2_egr_ucast_p>] [<l3_ucast_rcv_b>] [<l3_ucast_rcv_p>] [<total_rcv_b>] [<total_rcv_p>] [<total_sent_b>] [<total_sent_p>] }]

Syntax Description

show	Show running system information
vlan	Vlan commands
counters	display counters
__readonly__	(Optional) Read Only
TABLE_vlancounters	(Optional) vlan counters table format
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
l2_ing_ucast_b	(Optional) L2 Ingress unicast octets
l2_ing_ucast_p	(Optional) L2 Ingress unicast packets
l2_ing_mcast_b	(Optional) L2 Ingress multicast octets
l2_ing_mcast_p	(Optional) L2 Ingress multicast packets
l2_ing_bcast_b	(Optional) L2 Ingress broadcast octets
l2_ing_bcast_p	(Optional) L2 Ingress broadcast packets
l2_egr_ucast_b	(Optional) L2 Egress unicast octets
l2_egr_ucast_p	(Optional) L2 Egress unicast packets
l3_ucast_rcv_b	(Optional) L3 unicast octets in
l3_ucast_rcv_p	(Optional) L3 unicast packets in
total_rcv_b	(Optional) Total octets in
total_rcv_p	(Optional) Total packets in
total_sent_b	(Optional) Total octets out
total_sent_p	(Optional) Total packets out

Command Mode

- /exec

show vlan dot1Q tag native

show vlan dot1Q tag native [__readonly__ <tag_native_mode>]

Syntax Description

show	Show running system information
vlan	VTP VLAN status
dot1Q	Display dot1q parameters
tag	Display tag parameters
native	Display native vlan tagging
__readonly__	(Optional) Read Only
tag_native_mode	(Optional) Native vlan tagging mode

Command Mode

- /exec

show vlan fcoe

show vlan fcoe [<vlan-id>] [__readonly__ { TABLE_assoc <orig-id> <tran-id> <assoc-state> }]

Syntax Description

show	Show running system information
fcoe	FCOE Congiguration
vlan	Original VLAN Status
__readonly__	(Optional) Read Only
TABLE_assoc	(Optional) Association Table Format
vlan-id	(Optional) VLAN ID <1-4094>
orig-id	(Optional) Enter original VLAN-ID being associated with translated ID
tran-id	(Optional) Enter VSAN-ID being associated with VLAN-ID
assoc-state	(Optional) Show Association Status

Command Mode

- /exec

show vlan filter

show vlan filter [access-map <name> | vlan <vlan>] [__readonly__ TABLE_vlan_filter <name> <configured_vlans>]

Syntax Description

show	Show running system information
vlan	Vlan commands
filter	Information about VLAN filters
access-map	(Optional) Show the VLANs where an access-map is applied
name	(Optional) List name
vlan	(Optional) Show the access-map applied to a VLAN
vlan	(Optional) VLAN number
__readonly__	(Optional)
TABLE_vlan_filter	(Optional)
configured_vlans	(Optional) VLAN numbers

Command Mode

- /exec

show vlan id

show vlan id <vlan-id> [__readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefid <vlanshowbr-vlanid> <vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [<vlanshowplist-ifidx> +] } <vlanshowinfo-mtu-hdr> { TABLE_mtuinfoid <vlanshowinfo-vlanid> <vlanshowinfo-media-type> <vlanshowinfo-vlanmode> } [<vlanshow-vlanerrbitmap>] [<vlanshowrspan-hdr1>] [<vlanshowrspan-vlantype>] [<vlanshowrspan-hdr2>] [<vlanshowrspan-vlanbitmap>] [<pvlan-hdr>] [<pvlan-id-section>] [<pvlan-stby>] [<is-vtp-manageable>] [<is-internal>] [<is-reserved>] [<is-rspan>] [<is-dynamic-gvrp>] <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
__readonly__	(Optional) Read Only
TABLE_vlanbriefid	(Optional) VLAN brief table format
TABLE_mtuinfoid	(Optional) MTU information table format
vlanshowbr-hdr	(Optional) VLAN brief header
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanid-utf	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanname	(Optional) VLAN brief VLAN name
vlanshowbr-vlanstate	(Optional) VLAN brief VLAN state
vlanshowbr-shutstate	(Optional) VLAN brief shutdown state
vlanshowplist-ifidx	(Optional) Port list ifindex
vlanshowinfo-mtu-hdr	(Optional) Vlan info mtu header
vlanshowinfo-vlanid	(Optional) Vlan info VLAN ID
vlanshowinfo-media-type	(Optional) Select media type
vlanshowinfo-vlanmode	(Optional) VLAN brief VLAN mode
vlanshow-vlanerrbitmap	(Optional) VLAN error bitmap
vlanshowrspan-hdr1	(Optional) RSPAN VLAN header for one VLAN
vlanshowrspan-hdr2	(Optional) RSPAN VLAN header for multiple VLANs
vlanshowrspan-vlantype	(Optional) RSPAN VLAN one VLAN rspan or non-rspan

vlanshowrspan-vlanbitmap	(Optional) RSPAN VLAN multiple VLANs
show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker
pvlan-hdr	(Optional) private vlan section
pvlan-id-section	(Optional) private id vlan section
pvlan-stby	(Optional) private vlan section on standby
is-vtp-manageable	(Optional) VTP Manageable VLAN flag
is-internal	(Optional) Internal VLAN flag
is-reserved	(Optional) Reserved VLAN flag
is-rspan	(Optional) RSPAN VLAN flag
is-dynamic-gvrp	(Optional) Dynamic GVRP VLAN flag

Command Mode

- /exec

show vlan id counters

show vlan id <vlan-id> counters [__readonly__ { TABLE_vlancounters <vlanshowbr-vlanid> [<l2_ing_ucast_b>] [<l2_ing_ucast_p>] [<l2_ing_mcast_b>] [<l2_ing_mcast_p>] [<l2_ing_bcast_b>] [<l2_ing_bcast_p>] [<l2_egr_ucast_b>] [<l2_egr_ucast_p>] [<l3_ucast_rcv_b>] [<l3_ucast_rcv_p>] [<total_rcv_b>] [<total_rcv_p>] [<total_sent_b>] [<total_sent_p>] }]

Syntax Description

show	Show running system information
vlan	Vlan commands
id	VLAN status by VLAN id
counters	display counters
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
__readonly__	(Optional) Read Only
TABLE_vlancounters	(Optional) vlan counters table format
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
l2_ing_ucast_b	(Optional) L2 Ingress unicast octets
l2_ing_ucast_p	(Optional) L2 Ingress unicast packets
l2_ing_mcast_b	(Optional) L2 Ingress multicast octets
l2_ing_mcast_p	(Optional) L2 Ingress multicast packets
l2_ing_bcast_b	(Optional) L2 Ingress broadcast octets
l2_ing_bcast_p	(Optional) L2 Ingress broadcast packets
l2_egr_ucast_b	(Optional) L2 Egress unicast octets
l2_egr_ucast_p	(Optional) L2 Egress unicast packets
l3_ucast_rcv_b	(Optional) L3 unicast octets in
l3_ucast_rcv_p	(Optional) L3 unicast packets in
total_rcv_b	(Optional) Total octets in
total_rcv_p	(Optional) Total packets in
total_sent_b	(Optional) Total octets out
total_sent_p	(Optional) Total packets out

Command Mode

- /exec

show vlan id vn-segment

show vlan id <vlan-id> vn-segment [__readonly__ <vlanshowinfo-segid-hdr> { TABLE_seginfoid <vlanshowinfo-seg-vlanid> <vlanshowinfo-segment-id> } <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
id	VLAN status by VLAN id
vn-segment	Show vn-segment mapping
vlan-id	VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
__readonly__	(Optional) Read Only
TABLE_seginfoid	(Optional) Segment id information table format
vlanshowinfo-segid-hdr	(Optional) Vlan info segment id header
vlanshowinfo-seg-vlanid	(Optional) Vlan info VLAN ID
vlanshowinfo-segment-id	(Optional) Vlan info SEGMENT ID
show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan mib private-vlan type

show vlan [id <vlan-id>] mib private-vlan type [__readonly__ <start> <vlan> <pvlan-type> <primary>]

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
vlan-id	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
type	Private VLAN type information
mib	mib
__readonly__	(Optional) Read Only
start	(Optional) Start
vlan	(Optional) vlan
pvlan-type	(Optional) PVLAN Type
primary	(Optional) associated to primary

Command Mode

- /exec

show vlan name

show vlan name <vname> [__readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefname <vlanshowbr-vlanid> <vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [<vlanshowplist-ifidx> +] } <vlanshowinfo-mtu-hdr> { TABLE_mtuinfoname <vlanshowinfo-vlanid> <vlanshowinfo-media-type> <vlanshowinfo-vlanmode> } [<vlanshowrspan-hdr1>] [<vlanshowrspan-vlantype>] [<vlanshowrspan-hdr2>] [<vlanshowrspan-vlanbitmap>] <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
name	VLAN status by VLAN name
vname	A vlan name with size 32 (128 if long vlan name enabled)
__readonly__	(Optional) Read Only
TABLE_vlanbriefname	(Optional) VLAN brief table format
TABLE_mtuinfoname	(Optional) MTU information table format
vlanshowbr-hdr	(Optional) VLAN brief header
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanid-utf	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanname	(Optional) VLAN brief VLAN name
vlanshowbr-vlanstate	(Optional) VLAN brief VLAN state
vlanshowbr-shutstate	(Optional) VLAN brief shutdown state
vlanshowplist-ifidx	(Optional) Port list ifindex
vlanshowinfo-mtu-hdr	(Optional) Vlan info mtu header
vlanshowinfo-vlanid	(Optional) Vlan info VLAN ID
vlanshowinfo-media-type	(Optional) Select media type
vlanshowinfo-vlanmode	(Optional) VLAN brief VLAN mode
vlanshowrspan-hdr1	(Optional) RSPAN VLAN header for one VLAN
vlanshowrspan-hdr2	(Optional) RSPAN VLAN header for multiple VLANs
vlanshowrspan-vlantype	(Optional) RSPAN VLAN one VLAN rspan or non-rspan
vlanshowrspan-vlanbitmap	(Optional) RSPAN VLAN multiple VLANs

show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan private-vlan

show vlan [id <vlan-id>] private-vlan [__readonly__ [{ TABLE_pvlan_primary <vlan-key> [<primary>] [<secondary>] <pvlan-type> [<ports> +] }]]

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
vlan-id	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
__readonly__	(Optional) Read Only
TABLE_pvlan_primary	(Optional) Pvlan primary vlan table
vlan-key	(Optional) Vlan key
primary	(Optional) Primary VLAN
secondary	(Optional) Secondary VLAN
pvlan-type	(Optional) PVLAN Type
ports	(Optional) Port list

Command Mode

- /exec

show vlan private-vlan interface host

show vlan private-vlan interface [<if>] host [next <data>] [__readonly__ <start> <interface-id> <secondary-vlan>]

Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
if	(Optional) Interface id
host	private-vlan host
next	(Optional) next-entry
data	(Optional) ignore junk value
__readonly__	(Optional) Read Only
start	(Optional) Start
interface-id	(Optional) Interface
secondary-vlan	(Optional) Secondary Vlan

Command Mode

- /exec

show vlan private-vlan interface mapping

show vlan private-vlan interface [<if>] mapping [__readonly__ <start> <interface-id> <multi-primary> <secondary-vlan> <two-way>]

Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
if	(Optional) Interface id
mapping	private-vlan mapping
__readonly__	(Optional) Read Only
start	(Optional) Start
interface-id	(Optional) Interface
multi-primary	(Optional) multiple primay capable
secondary-vlan	(Optional) seconadry vlans bitmap
two-way	(Optional) multiple primay capable

Command Mode

- /exec

show vlan private-vlan interface mode

show vlan private-vlan interface [<if>] mode [next <data>] [__readonly__ <start> <interface-id> <port-mode>]

Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
if	(Optional) Interface id
mode	private-vlan port mode
next	(Optional) next-entry
data	(Optional) ignore junk value
__readonly__	(Optional) Read Only
start	(Optional) Start
interface-id	(Optional) Interface
port-mode	(Optional) Port mode

Command Mode

- /exec

show vlan private-vlan interface trunk

show vlan private-vlan interface [<if>] trunk [__readonly__ <start> <interface-id> <dynamic-state> <encap-type> <native-vlan> <secondary-vlans> <normal-vlans> <dynamic-status> <encap-oper-type>]

Syntax Description

show	Show running system information
vlan	VLAN status
private-vlan	Private VLAN information
interface	Show interface status and information
if	(Optional) Interface id
trunk	pvlan trunk
__readonly__	(Optional) Read Only
start	(Optional) Start
interface-id	(Optional) Interface
dynamic-state	(Optional) dynamic state
encap-type	(Optional) encapsulation type
native-vlan	(Optional) native vlan
secondary-vlans	(Optional) secondary vlans
normal-vlans	(Optional) normal vlans
dynamic-status	(Optional) dynamic status
encap-oper-type	(Optional) encap oper type

Command Mode

- /exec

show vlan private-vlan mapping

show vlan [id <vlan-id>] private-vlan mapping [next <data>] [__readonly__ <start> <vlan-id> <primary>]

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
vlan-id	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
mapping	private-vlan mapping
next	(Optional) next-entry
data	(Optional) ignore junk value
__readonly__	(Optional) Read Only
start	(Optional) Start
vlan-id	(Optional) secondary
primary	(Optional) primary-vlan

Command Mode

- /exec

show vlan private-vlan type

show vlan [id <vlan-id>] private-vlan type [__readonly__ [{ TABLE_pvlantype <vlan-num> <pvlan-type> }]]

Syntax Description

show	Show running system information
vlan	VLAN status
id	(Optional) VLAN status by VLAN id
vlan-id	(Optional) VLAN ID 1-4094 or range(s): 1-5, 10 or 2-5,7-19
private-vlan	Private VLAN information
type	Private VLAN type information
__readonly__	(Optional) Read Only
TABLE_pvlantype	(Optional) Pvlan type table
vlan-num	(Optional) vlan
pvlan-type	(Optional) PVLAN Type

Command Mode

- /exec

show vlan reserved

show vlan reserved [__readonly__ { TABLE_reserved <ivusage-vlanid> <ivusage-desc> } <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
reserved	Internal reserved VLANs
__readonly__	(Optional) Read Only
TABLE_reserved	(Optional) Internal reserved VLAN table format
ivusage-vlanid	(Optional) internal vlan usage VLAN id
ivusage-desc	(Optional) internal reserved vlan usage description
show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan xbrief

show vlan xbrief [controller | cli] [__readonly__ <vlanshowbr-hdr> { TABLE_vlanbriefxbrief <vlanshowbr-vlanid> <vlanshowbr-vlanid-utf> <vlanshowbr-vlanname> <vlanshowbr-vlanstate> <vlanshowbr-shutstate> [<vlanshowplist-ifidx> +] } <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
xbrief	All VLAN status in brief
controller	(Optional) Controller VLAN status
cli	(Optional) CLI VLAN status
__readonly__	(Optional) Read Only
TABLE_vlanbriefxbrief	(Optional) VLAN brief table format
vlanshowbr-hdr	(Optional) VLAN brief header
vlanshowbr-vlanid	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanid-utf	(Optional) VLAN brief VLAN ID
vlanshowbr-vlanname	(Optional) VLAN brief VLAN name
vlanshowbr-vlanstate	(Optional) VLAN brief VLAN state
vlanshowbr-shutstate	(Optional) VLAN brief shutdown state
vlanshowplist-ifidx	(Optional) Port list ifindex
show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker

Command Mode

- /exec

show vlan xsummary

show vlan xsummary [__readonly__ <vlansum-all-vlan> <vlansum-vtp-vlan> <vlansum-ext-vlan> <vlansum-max-supported-vlan> <vlansum-carved-vlan> <show-end> [<true-end>]]

Syntax Description

show	Show running system information
vlan	VLAN status
xsummary	VLAN summary information
__readonly__	(Optional) Read Only
vlansum-all-vlan	(Optional) Show vlan summary Total
vlansum-vtp-vlan	(Optional) Show vlan summary Number of normal vlans
vlansum-ext-vlan	(Optional) Show vlan summary Number of extended vlans
vlansum-max-supported-vlan	(Optional) Show vlan summary Max supported vlans
vlansum-carved-vlan	(Optional) Show vlan summary Number of carved sdn vlans
show-end	(Optional) Show vlan end marker
true-end	(Optional) Show vlan end marker

Command Mode

- /exec

show vmtracker

show vmtracker [connection <conn_name>] { { info { { [interface <intf_id>] { summary | detail | host | vm | port-group } } | { vxlan-segment | vxlan-vms } } } | event-history }

Syntax Description

show	Show running system information
vmtracker	Show vmtracker info
connection	(Optional) Show vmtracker configured connections
conn_name	(Optional) Show vmtracker Connection name
info	Display vmtracker information
interface	(Optional) Display vmtracker interface information
intf_id	(Optional) Interface name to display
summary	Display a summary of vmtracker information
detail	Display vmtracker information details
host	Display vmtracker host information
vm	Display vmtracker related Virtual Machine information
port-group	Display vmtracker related port-group information
vxlan-segment	Print all segment info
vxlan-vms	Print all vm info
event-history	Display vmtracker related event-history

Command Mode

- /exec

show vmtracker certificate

show vmtracker certificate

Syntax Description

show	Show running system information
vmtracker	VMTRACKER commands
certificate	Show the default certificate used

Command Mode

- /exec

show vmtracker fabric auto-config

show vmtracker fabric auto-config [interface <intf_id>] [vlan <vlan_id>] [status { success | pending | failure | skipped }]

Syntax Description

show	Show running system information
vmtracker	VMTRACKER commands
fabric	VM Tracker Fabric paramters
auto-config	VM Tracker Fabric AutoConfiguration
interface	(Optional) Display vmtracker interface information
intf_id	(Optional) Interface name to display
vlan	(Optional) vlan to display
vlan_id	(Optional) VLAN ID 1-4094 or range(s) like: 1-5, 10 or 2-5,7-19
status	(Optional) Auto-config status
success	(Optional) Success
pending	(Optional) Pending
failure	(Optional) Failure
skipped	(Optional) Skipped

Command Mode

- /exec

show vmtracker status

show vmtracker [connection <conn_name>] status [__readonly__ { TABLE_connection <name> <host_or_ip> <conn_status> }]

Syntax Description

__readonly__	(Optional)
TABLE_connection	(Optional)
name	(Optional)
host_or_ip	(Optional)
conn_status	(Optional)
show	Show running system information
vmtracker	Show vmtracker info
connection	(Optional) Show vmtracker configured connections
conn_name	(Optional) Show vmtracker Connection name
status	Show vmtracker connection status

Command Mode

- /exec

show vni hardware counters

show vni hardware counters

Syntax Description

show	Show running system information
vni	vni
hardware	hardware
counters	counters

Command Mode

- /exec

show vpc

show vpc { <vpc-number> | brief vpc <vpc-number> } [__readonly__ [<vpc-hdr>] [<vpc-is-es>] [<vpc-not-es>] [TABLE_vpc <vpc-id> <vpc-ifindex> <vpc-port-state> <phy-port-if-removed><vpc-thru-peerlink> <vpc-consistency> { [<vpc-consistency-reason>] [<vpc-consistency-status>] } <up-vlan-bitset> <es-attr>] <vpc-end>]

Syntax Description

vpc	Virtual Port Channel configuration
brief	Brief display of vPC status
vpc-number	Enter a Virtual Port Channel number
__readonly__	(Optional) Read Only
vpc-hdr	(Optional) Start of vPC table
vpc-is-es	(Optional) Flag to indicate vPC+ complex
vpc-not-es	(Optional) Flag to indicate vPC complex
TABLE_vpc	(Optional) vPC table
vpc-id	(Optional) vPC id
vpc-ifindex	(Optional) vPC ifindex
vpc-port-state	(Optional) vPC port state
vpc-consistency	(Optional) vPC global configuration consistency
vpc-consistency-reason	(Optional) vPC consistency reason
vpc-consistency-status	(Optional) vPC consistency reason
up-vlan-bitset	(Optional) vPC UP VLAN bitset
es-attr	(Optional) vPC+ attributes
vpc-end	(Optional) End of table

Command Mode

- /exec

show vpc

show vpc [brief] [__readonly__ <vpc-domain-id> [<vpc-l2mp-switch-id>] <vpc-peer-status> <vpc-peer-status-reason> <vpc-peer-keepalive-status> [<vpc-peer-l2mp-status>] <vpc-peer-consistency> { [<vpc-peer-consistency-reason>] [<vpc-per-vlan-peer-consistency>] <vpc-peer-consistency-status> } <vpc-type-2-consistency> { [<vpc-type-2-consistency-reason>] <vpc-type-2-consistency-status> } <vpc-role> <num-of-vpcs> [<track-obj>] [<peer-gateway>] [<peer-gateway-excluded-vlans>] <dual-active-excluded-vlans> <vpc-graceful-consistency-check-status> [<vpc-auto-recovery-status>] [<vpc-delay-restore-status>] [<vpc-delay-restore-svi-status>] [<vpc-delay-peer-link-status>] <operational-l3-peer> [<vpc-scale-high-status>] [<fp-enhanced-load-balancing>] [<vpc-per-vlan-peer-consistency>] <vpc-peer-link-hdr> [{ TABLE_peerlink <peer-link-id> <peerlink-ifindex> <peer-link-port-state> <peer-up-vlan-bitset> }] <vpc-end> <vpc-hdr> [<vpc-is-es>] [<vpc-not-es>] [{ TABLE_vpc <vpc-id> <vpc-ifindex> <vpc-port-state> <phy-port-if-removed><vpc-thru-peerlink> <vpc-consistency> { [<vpc-consistency-reason>] [<vpc-consistency-status>] } <up-vlan-bitset> <es-attr> }] <vpc-end>]

Syntax Description

vpc	Virtual Port Channel configuration
brief	(Optional) Brief display of vPC status
__readonly__	(Optional) Read Only
TABLE_peerlink	(Optional) vPC peerlink table
TABLE_vpc	(Optional) vPC table
vpc-domain-id	(Optional) vPC domain id
vpc-l2mp-switch-id	(Optional) vPC+ switch ID
vpc-peer-status	(Optional) vPC peer status
vpc-peer-status-reason	(Optional) vPC peer status reason
vpc-peer-keepalive-status	(Optional) vpc peer keepalive status
vpc-peer-l2mp-status	(Optional) vPC fabricpath status
vpc-role	(Optional) vPC role
peer-gateway	(Optional) Peer gateway status
peer-gateway-excluded-vlans	(Optional) peer-gateway excluded VLANs
dual-active-excluded-vlans	(Optional) dual-active excluded VLANs
fp-enhanced-load-balancing	(Optional) Fabricpath enhanced load balancing status
num-of-vpcs	(Optional) Number of vPCs configured
track-obj	(Optional) Track object for vPC

vpc-graceful-consistency-check-status	(Optional) vPC graceful consistency check
vpc-consistency	(Optional) vPC global configuration consistency
vpc-consistency-reason	(Optional) vPC consistency reason
vpc-consistency-status	(Optional) vPC consistency reason
vpc-peer-consistency	(Optional) vPC global configuration consistency
vpc-peer-consistency-reason	(Optional) vPC consistency reason
vpc-peer-consistency-status	(Optional) vPC consistency reason
vpc-per-vlan-peer-consistency	(Optional) vPC per-vlan global configuration consistency
vpc-type-2-consistency	(Optional) vPC type-2 configuration consistency status
vpc-type-2-consistency-reason	(Optional) vPC type-2 configuration consistency reason
vpc-type-2-consistency-status	(Optional) vPC type-2 configuration consistency status
operational-l3-peer	(Optional) Operational Layer 3 peer status
vpc-scale-high-status	(Optional) vPC scale high status
vpc-hdr	(Optional) Start of vPC table
vpc-is-es	(Optional) Flag to indicate vPC+ complex
vpc-not-es	(Optional) Flag to indicate vPC complex
vpc-peer-link-hdr	(Optional) Start of vPC peer-link table
vpc-port-state	(Optional) vPC port state
vpc-end	(Optional) End of table
vpc-id	(Optional) vPC id
vpc-ifindex	(Optional) vPC ifindex
peer-link-id	(Optional) peer link id
peerlink-ifindex	(Optional) peer link ifindex
peer-link-port-state	(Optional) peer-link port state
peer-up-vlan-bitset	(Optional) peer link UP VLAN bitset
up-vlan-bitset	(Optional) vPC UP VLAN bitset
es-attr	(Optional) vPC+ attributes
vpc-auto-recovery-status	(Optional) Auto-recovery status
vpc-delay-restore-status	(Optional) Delay-resotre status

vpc-delay-restore-svi-status	(Optional) Dealy-restore-svi status
vpc-delay-peer-link-status	(Optional) Delay-peer-link status

Command Mode

- /exec

show vpc consistency-parameters

show vpc consistency-parameters { global | vni | interface <if> | vpc <vpc-num> } [__readonly__ TABLE_vpc_consistency <vpc-param-name> <vpc-param-type> <vpc-param-local-val> <vpc-param-peer-val>]

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
global	Global Parameters
vni	Show vPC Consistency Parameters vni
if	
vpc-num	Enter a Virtual Port Channel number
__readonly__	(Optional) Read Only
TABLE_vpc_consistency	(Optional) vPC table
vpc-param-name	(Optional)
vpc-param-type	(Optional)
vpc-param-local-val	(Optional)
vpc-param-peer-val	(Optional)

Command Mode

- /exec

show vpc consistency-parameters vlans

show vpc consistency-parameters vlans [vnseg] [__readonly__ TABLE_vpc_consistency <vpc-param-name> <vpc-param-type> [<reason_code>] [<syserr>] <vpc-pass-vlans> [<reason_code>]]

Syntax Description

vpc	Virtual Port Channel configuration
consistency-parameters	Show vPC Consistency Parameters
vlans	vlans
vnseg	(Optional) Display vlan to vn-segment map
__readonly__	(Optional) Read Only
TABLE_vpc_consistency	(Optional) vPC table
vpc-param-name	(Optional)
vpc-param-type	(Optional)
vpc-pass-vlans	(Optional)
syserr	(Optional) vPC consistency reason
reason_code	(Optional) vPC consistency reason

Command Mode

- /exec

show vpc orphan-ports

show vpc orphan-ports [__readonly__ [{ TABLE_orphan_ports <vpc-vlan> <vpc-orphan-ports> }]]

Syntax Description

vpc	Virtual Port Channel configuration
orphan-ports	Show ports that are not part of vPC but have common VLANs
__readonly__	(Optional) Read Only
TABLE_orphan_ports	(Optional) vPC orphan ports table
vpc-vlan	(Optional) port vlan
vpc-orphan-ports	(Optional) description of the port

Command Mode

- /exec

show vpc peer-keepalive

show vpc peer-keepalive [__readonly__ <vpc-peer-keepalive-status> <vpc-keepalive-dest> <vpc-keepalive-send-interface> <vpc-keepalive-receive-interface> <vpc-keepalive-send-tstamp> <vpc-keepalive-receive-tstamp> <vpc-peer-keepalive-up-time> <vpc-keepalive-send-status> <vpc-keepalive-receive-status> <vpc-keepalive-lastupdate> [<vpc-keepalive-dest>] <vpc-keepalive-interval> <vpc-keepalive-timeout> <vpc-keepalive-hold-timeout> <vpc-keepalive-vrf> <vpc-keepalive-udp-port> <vpc-keepalive-tos>]

Syntax Description

vpc	Virtual Port Channel configuration
peer-keepalive	vPC keepalive status
__readonly__	(Optional) Read Only
vpc-peer-keepalive-status	(Optional) vpc peer keepalive status
vpc-keepalive-dest	(Optional) vPC keepalive destination ip address
vpc-keepalive-send-status	(Optional) vPC keepalive send status
vpc-keepalive-receive-status	(Optional) vPC keepalive receive status
vpc-peer-keepalive-up-time	(Optional) keepalive- alive time
vpc-keepalive-send-tstamp	(Optional) vPC keepalive last send timestamp
vpc-keepalive-send-interface	(Optional) vPC keepalive send interface
vpc-keepalive-receive-tstamp	(Optional) vPC keepalive last receive timestamp
vpc-keepalive-receive-interface	(Optional) vPC keepalive receive interface
vpc-keepalive-lastupdate	(Optional) vPC keepalive last update from peer
vpc-keepalive-interval	(Optional) vPC keepalive timeout
vpc-keepalive-timeout	(Optional) vPC keepalive interval
vpc-keepalive-hold-timeout	(Optional) hold timeout
vpc-keepalive-vrf	(Optional) vrf name
vpc-keepalive-udp-port	(Optional) udp port
vpc-keepalive-tos	(Optional) tos value

Command Mode

- /exec

show vpc role

show vpc role [__readonly__ <vpc-peer-status> <vpc-peer-status-reason> [<vpc-current-role>] [<vpc-es-current-role>] <dual-active-detected> <vpc-system-mac> <vpc-system-prio> <vpc-local-system-mac> <vpc-local-system-prio><vpc-local-role-prio> <vpc-peer-system-mac> <vpc-peer-system-prio><vpc-peer-role-prio>]

Syntax Description

vpc	Virtual Port Channel configuration
role	vPC role status
__readonly__	(Optional) Read Only
vpc-peer-status	(Optional) vPC peer status
vpc-peer-status-reason	(Optional) vPC peer status reason
vpc-current-role	(Optional) vPC role
vpc-es-current-role	(Optional) vPC role
dual-active-detected	(Optional) Dual active detection status
vpc-system-mac	(Optional) vPC system mac
vpc-local-system-mac	(Optional) vPC local system mac
vpc-peer-system-mac	(Optional) vPC peer system mac
vpc-system-prio	(Optional) vPC system priority

Command Mode

- /exec

show vpc statistics peer-keepalive

show vpc statistics peer-keepalive [__readonly__ <vpc-peer-keepalive-status> <vpc-keepalive-counters-tx> <vpc-keepalive-counters-rx> <vpc-keepalive-avg-rx-interval> <vpc-keepalive-peer-state-changes>]

Syntax Description

vpc	Virtual Port Channel configuration
statistics	Statistics
peer-keepalive	peer keepalive module related statistics
__readonly__	(Optional) Read Only
vpc-peer-keepalive-status	(Optional) vpc peer keepalive status
vpc-keepalive-counters-tx	(Optional) tx counters
vpc-keepalive-counters-rx	(Optional) rx counters
vpc-keepalive-avg-rx-interval	(Optional) avg rx interval in ms
vpc-keepalive-peer-state-changes	(Optional) peer state changes

Command Mode

- /exec

show vpc statistics vpc

show vpc statistics { vpc <vpc_num> | peer-link }

Syntax Description

vpc	Virtual Port Channel configuration
statistics	Statistics
vpc_num	Virtual Port Channel number
peer-link	stats for peer-link

Command Mode

- /exec

show vpc upgrade

show vpc upgrade [__readonly__ <vpc-upgrade> <delay-svi-timer> <delay-restore-timer> <delay-orphan-port-timer>]

Syntax Description

show	Show running system information
vpc	Virtual Port Channel configuration
upgrade	show vpc upgrade configuration
__readonly__	(Optional) Read Only
vpc-upgrade	(Optional) vpc upgrade configuration
delay-svi-timer	(Optional) delay svi timer value
delay-restore-timer	(Optional) delay restore timer value
delay-orphan-port-timer	(Optional) delay orphan port suspend timer

Command Mode

- /exec

show vrf

show vrf [<vrf-name> | <vrf-known-name> | all] [order id] [detail] [passive] [__readonly__ TABLE_vrf <vrf_name> <vrf_id> <vrf_state> [<vrf_reason>] [<vrf_pend>] [<vpnid> <rd> <vni> <max_routes> <mid_threshold>] [{ TABLE_tib <tib_id> <tib_af> <tib_nonce> <tib_state> [<tib_reason>] [<tib_pend>] }]]

Syntax Description

show	Show running system information
vrf	Display VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display VRF information for all VRFs
order	(Optional) Specify ordering
id	(Optional) Order by ID
detail	(Optional) Display VRF detail information
passive	(Optional) Display passive VRF information
__readonly__	(Optional)
TABLE_vrf	(Optional)
TABLE_tib	(Optional)
vrf_name	(Optional)
vrf_id	(Optional)
vrf_state	(Optional)
vrf_reason	(Optional)
vrf_pend	(Optional)
vpnid	(Optional)
rd	(Optional)
max_routes	(Optional)
mid_threshold	(Optional)
tib_id	(Optional)
tib_af	(Optional)

tib_nonce	(Optional)
tib_state	(Optional)
tib_reason	(Optional)
tib_pend	(Optional)
vni	(Optional)

Command Mode

- /exec

show vrf

show vrf [<vrf-name> | <vrf-known-name> | all]

Syntax Description

show	Show running system information
vrf	Display VRF information
vrf-name	(Optional) VRF name
vrf-known-name	(Optional) Known VRF name
all	(Optional) Display VRF information for all VRFs

Command Mode

- /exec

show vrf topology

show vrf topology [order id] [detail] [__readonly__ TABLE_tib <vrf_name> <tib_af> <tib_name> <tib_id> <tib_state> [<tib_reason> <tib_pend>]]

Syntax Description

show	Show running system information
vrf	Configure VRF parameters
topology	Display topology information
order	(Optional) Specify ordering
id	(Optional) Order by ID
detail	(Optional) Display topology detail information
__readonly__	(Optional)
TABLE_tib	(Optional)
vrf_name	(Optional)
tib_af	(Optional)
tib_name	(Optional)
tib_id	(Optional)
tib_state	(Optional)
tib_reason	(Optional)
tib_pend	(Optional)

Command Mode

- /exec

show vrrp

show vrrp [[summary] | { [statistics | detail] [interface <interface_id>] [vr <vr_id>] [master | backup | init] + }] [__readonly__ [[TABLE_vrrp_group <sh_if_index> <sh_group_id> <sh_group_type> <sh_group_state> <sh_group_preempt> <sh_vip_addr> { [TABLE_sec_vip_addr <sh_sec_vip_addr>] } <sh_priority> [<sh_cfg_priority> <sh_fwd_thr_lower> <sh_fwd_thr_upper>] <sh_adv_interval> [<sh_auth_text>] [<sh_vmac>] [<sh_master_router>] [<sh_native_track_intf> <sh_native_track_priotiry>] { [TABLE_vrrp_track <sh_track_object_id> <sh_decrement_priority> <sh_track_object_state>] } [<sh_bfd_status> <sh_bfd_session>]] [{ TABLE_vrrp_statistics [<if_index>] [<grp_id>] [<grp_type>] [<master_cnt>] [<adv_pkts>] [<adv_intv_mismatch>] [<auth_failure>] [<ttl_err>] [<zero_pri_adv_rcvd>] [<zero_pri_adv_sent>] [<type_fl_mismatch>] [<addr_mismatch>] [<inv_auth>] [<auth_mismatch>] [<inv_pkt_len>] }] [<total_num_of_grp>] [<init_grps>] [<backup_grps>] [<master_grps>] [<vrrp_enabled_ifs>] [<mts_rx>] [<mts_tx>] [<pkt_rx>] [<pkt_tx>]] +]

Syntax Description

show	Show running system information
vrrp	Show vrrp information
summary	(Optional) Show vrrp summary
statistics	(Optional) Show vrrp statistics
detail	(Optional) Show detailed information
interface	(Optional) Show vrrp info for the interface
interface_id	(Optional)
vr	(Optional) Show vrrp info for the group
vr_id	(Optional) [1-255] enter IPv4 vr group
master	(Optional) Groups in Master state
backup	(Optional) Groups in Backup state
init	(Optional) Groups in Init state
__readonly__	(Optional) Read only
TABLE_vrrp_group	(Optional) Group detail table
sh_if_index	(Optional) Interface type and number
sh_group_id	(Optional) Group number
sh_group_type	(Optional) Group type
sh_group_state	(Optional) VRRP group state
sh_group_preempt	(Optional) Group preemption statue

sh_vip_addr	(Optional) Virtual IP Address
TABLE_sec_vip_addr	(Optional) Secondary virtual ip address table
sh_sec_vip_addr	(Optional) Secondary virtual ip address
sh_priority	(Optional) Priority of VRRP group
sh_auth_text	(Optional) Authentication text
sh_cfg_priority	(Optional) Configured priority of VRRP group
sh_fwd_thr_lower	(Optional) Lower forwarding threshold
sh_fwd_thr_upper	(Optional) Upper forwarding threshold
sh_adv_interval	(Optional) Advertisement interval
sh_vmac	(Optional) Virtual MAC
sh_master_router	(Optional) Master router
sh_native_track_intf	(Optional) Native tracked interface
sh_native_track_priotiry	(Optional) Decrement priority for Native tracking
TABLE_vrrp_track	(Optional) VRRP tracking table
sh_track_object_id	(Optional) Object id of tracking object
sh_decrement_priority	(Optional) Decrement priority
sh_track_object_state	(Optional) Tracking object state
sh_bfd_status	(Optional) BFD status
sh_bfd_session	(Optional) BFD session status
TABLE_vrrp_statistics	(Optional) VRRP statistics table
if_index	(Optional) Interface type and number
grp_id	(Optional) Group number
grp_type	(Optional) Group type
master_cnt	(Optional) VRRP Master
adv_pkts	(Optional) Advertisement pkts
adv_intv_mismatch	(Optional) Advertisement interval mismatch
auth_failure	(Optional) Auth failure
ttl_err	(Optional) TTL error
zero_pri_adv_rcvd	(Optional) Zero pri adv received

zero_pri_adv_sent	(Optional) Zero pri adv sent
type_fl_mismatch	(Optional) Invalid type field
addr_mismatch	(Optional) Address mismatch
inv_auth	(Optional) Invalid auth type
auth_mismatch	(Optional) Authentication mismatch
inv_pkt_len	(Optional) Invalid pkt length
total_num_of_grp	(Optional) Total Number of Groups Configured
init_grps	(Optional) Init groups
backup_grps	(Optional) Backup groups
master_grps	(Optional) Master groups
vrrp_enabled_ifs	(Optional) Number of VRRP enabled interfaces
mts_rx	(Optional) Total MTS Rx
mts_tx	(Optional) Total MTS Tx
pkt_rx	(Optional) Total Pkt Rx
pkt_tx	(Optional) Total Pkt Tx

Command Mode

- /exec

show vrrp bfd-sessions

show vrrp bfd-sessions [interface <interface-id> [to <ipaddress>]] [__readonly__ TABLE_bfd_sess <interface> { <src_addr> | <src_addr_v6> } { <dst_addr> | <dst_addr_v6> } <session_state> <ref_count> <displayed_interface> { TABLE_groups <group_id> <vrrp_state> <bfd_status> <operation> <time> }]

Syntax Description

show	Show running system information
vrrp	Show vrrp information
bfd-sessions	BFD sessions
interface	(Optional) Groups on this interface
interface-id	(Optional) Interface
to	(Optional) To IP address
ipaddress	(Optional) Sessions to IP address
__readonly__	(Optional)
TABLE_bfd_sess	(Optional)
interface	(Optional) Interface
src_addr	(Optional) IPv4 Source address
dst_addr	(Optional) IPv4 Destination address
session_state	(Optional) Session state
ref_count	(Optional) Ref count
displayed_interface	(Optional) Displayed interface
TABLE_groups	(Optional)
group_id	(Optional) Group id
vrrp_state	(Optional) VRRP STATE
bfd_status	(Optional) BFD STATE
operation	(Optional) Operation
time	(Optional) Time

Command Mode

- /exec

show vrrpv3

show vrrpv3 [brief | detail | statistics] [<intf> [<group_num>]] [<opt_v4_or_v6>] [all] [__readonly__ [<global_drops>] [[{ TABLE_istats [<i_intf>] [<i_drops>] [<ttl>] [<checksum>] [<version>] [<type>] [<length>] [<badid>] [<other>] }] [{ TABLE_grp [<intf>] [<id>] [<af>] [<desc>] [<state>] [<duration>] [<vip>] [{ TABLE_sec [<addr>] [<prefix>] }] [<vmac>] [<adv>] [<owner>] [<preempt>] [<delay>] [<delay_rem>] [<priority>] [<m_addr>] [<m_priority>] [<m_adv>] [<m_expire>] [<down>] [<down_expire>] [<adv_sent>] [<adv_err>] [<adv_recvd>] [<v2adv_sent>] [<v2adv_err>] [<v2adv_recvd>] [<drops>] [<incompat>] [<conflict>] [<bad_count>] [<bad_addr>] [<bad_config>] [<bad_advert>] [<bad_state>] [<bad_other>] [<init_master>] [<init_master_time>] [<init_backup>] [<init_backup_time>] [<back_master>] [<back_master_time>] [<master_back>] [<master_back_time>] [<mast_init>] [<mast_init_time>] [<back_init>] [<back_init_time>] }]] + [{ TABLE_vbrief [<intf_b>] [<id_b>] [<af_b>] [<priority_b>] [<down_b>] [<owner_b>] [<preempt_b>] [<state_b>] [<m_addr_b>] [<vip_b>] }]]

Syntax Description

show	Show running system information
vrrpv3	VRRPv3 Show commands
all	(Optional) All VRRPV3 information
brief	(Optional) Brief output
detail	(Optional) Detail output
statistics	(Optional) Statistics output
opt_v4_or_v6	(Optional) Enter ipv4 or ipv6
intf	(Optional) Interface
group_num	(Optional) Group Number
__readonly__	(Optional)
TABLE_istats	(Optional) Interface-level VRRPv3 statistics
TABLE_grp	(Optional) VRRP Groups
TABLE_sec	(Optional) Secondary Addresses
TABLE_vbrief	(Optional) VRRP Brief
global_drops	(Optional) Total dropped packets
i_intf	(Optional) Interface
i_drops	(Optional) Total dropped packets
ttl	(Optional) Invalid TTL/Hop limit
checksum	(Optional) Invalid checksum

version	(Optional) Invalid version
type	(Optional) Invalid message type
length	(Optional) Invalid length
badid	(Optional) Invalid group ID
other	(Optional) Other
intf	(Optional) Interface
id	(Optional) Group ID
af	(Optional) Address family
desc	(Optional) Description
state	(Optional) Group state
duration	(Optional) Time in current state
vip	(Optional) Primary virtual IP address
addr	(Optional) Secondary virtual IP address
prefix	(Optional) Secondary vIP prefix
vmac	(Optional) Virtual MAC address
adv	(Optional) Advertisement interval
preempt	(Optional) Preemption status
owner	(Optional) Owner mode
delay	(Optional) Preemption delay
delay_rem	(Optional) Preemption delay remaining
priority	(Optional) Priority
m_addr	(Optional) Group master router address
m_priority	(Optional) Group master priority
m_adv	(Optional) Master advertisement interval
m_expire	(Optional) Master expiration
down	(Optional) Master down interval
down_expire	(Optional) Master down expiration
adv_sent	(Optional) Advertisements sent
adv_err	(Optional) Advertisement errors

adv_recvd	(Optional) Advertisements received
v2adv_sent	(Optional) Advertisements sent (v2)
v2adv_err	(Optional) Advertisement errors (v2)
v2adv_recvd	(Optional) Advertisements received (v2)
drops	(Optional) Total dropped packets
incompat	(Optional) v2, Incompatible
conflict	(Optional) Address owner conflicts
bad_count	(Optional) Invalid address count
bad_addr	(Optional) Invalid IP address
bad_config	(Optional) Invalid IP address config
bad_advert	(Optional) Invalid advertisement interval
bad_state	(Optional) Invalid group state
bad_other	(Optional) Other
init_master	(Optional) Init to Master
init_master_time	(Optional) Last Occurrence
init_backup	(Optional) Init to Backup
init_backup_time	(Optional) Last Occurrence
back_master	(Optional) Backup to Master
back_master_time	(Optional) Last Occurrence
master_back	(Optional) Master to Backup
master_back_time	(Optional) Last Occurrence
mast_init	(Optional) Master to Init
mast_init_time	(Optional) Last Occurrence
back_init	(Optional) Backup to Init
back_init_time	(Optional) Last Occurrence
intf_b	(Optional) Interface
id_b	(Optional) Group ID
af_b	(Optional) Address family
priority_b	(Optional) Priority

down_b	(Optional) Master down interval
owner_b	(Optional) Owner mode
preempt_b	(Optional) Preemption status
state_b	(Optional) Group state
m_addr_b	(Optional) Group master router address
vip_b	(Optional) Primary virtual IP address

Command Mode

- /exec

show vrrs client

show vrrs client [<cname>] [__readonly__ { TABLE_client <name> <id> <all> <priority> { TABLE_tags <tname> } }]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
client	Information about VRRS clients
cname	(Optional) VRRS client name
__readonly__	(Optional)
TABLE_client	(Optional) VRRS clients
TABLE_tags	(Optional) VRRS tags
name	(Optional) VRRS client name
id	(Optional) VRRS client id
priority	(Optional) Priority
all	(Optional) Client follows all tags
tname	(Optional) VRRS tag name

Command Mode

- /exec

show vrrs pathway

show vrrs pathway [<intf>] [__readonly__ { TABLE_pws <name> <state> <vrrs_push_state> <vmac> <vmac_state> <vmac_dbg> [<pvmac>] [<pvmac_state>] [<pvmac_dbg>] <af> [<desc>] <opt> <eval> [{ TABLE_vips <addr> [<flags>] }] }]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
pathway	Information about VRRS pathways
intf	(Optional) Interface
__readonly__	(Optional)
TABLE_pws	(Optional) Show VRRS pathways
TABLE_vips	(Optional) Pathway vIP addresses
name	(Optional) Pathway name
state	(Optional) Pathway state
vrrs_push_state	(Optional) VRRS push state
vmac	(Optional) Virtual MAC address
vmac_state	(Optional) Virtual MAC state
vmac_dbg	(Optional) Virtual MAC debug flags
pvmac	(Optional) Previous Virtual MAC address
pvmac_state	(Optional) Previous MAC state
pvmac_dbg	(Optional) Previous MAC debug flags
af	(Optional) Pathway address-family
desc	(Optional) Pathway description
opt	(Optional) Option flags
eval	(Optional) Eval flags
addr	(Optional) Virtual IP address
flags	(Optional) Virtual IP address flags

Command Mode

- /exec

show vrrs pathway address

show vrrs pathway [<intf>] address

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
pathway	Information about VRRS pathways
intf	(Optional) Interface
address	Internal information about pathway addresses

Command Mode

- /exec

show vrrs server

show vrrs server [__readonly__ { TABLE_srv <name> <af> <intf> <state> <vmac> <vip> [{ TABLE_tag <tag> }] }]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
server	Information about VRRS servers
__readonly__	(Optional)
TABLE_srv	(Optional) VRRS Servers
TABLE_tag	(Optional) VRRS tags associated with each server
name	(Optional) VRRS server name
af	(Optional) Address-family
intf	(Optional) Interface
state	(Optional) VRRS server state
vmac	(Optional) Virtual MAC address
vip	(Optional) Virtual IP address
tag	(Optional) VRRS tag

Command Mode

- /exec

show vrrs tag

show vrrs tag [<tagname>] [__readonly__ { TABLE_tag <name> <server> [{ TABLE_client <id> <client> <all> }] }]

Syntax Description

vrrs	VRRS Show commands
show	Show running system information
tag	Information about VRRS tags
tagname	(Optional) VRRS tag
__readonly__	(Optional)
TABLE_tag	(Optional) Known VRRS tags
TABLE_client	(Optional) VRRS clients listening
name	(Optional) VRRS tag name
server	(Optional) VRRS server name
id	(Optional) VRRS client id
client	(Optional) VRRS client name
all	(Optional) Client follows all tags

Command Mode

- /exec

show vsan

show vsan [<id_in>] [__readonly__ { TABLE_vsan <id> { [<name> <state> <interop_mode> <load_balancing> <operational_state>] | <inactive_vsan_name> | <evfp_control_vsan_name> } }]

Syntax Description

show	Show running system information
vsan	Vsan commands
id_in	(Optional) VSAN ID range
__readonly__	(Optional) Read Only
TABLE_vsan	(Optional) Table of VSAN's
id	(Optional) VSAN ID
name	(Optional) VSAN name
state	(Optional) VSAN state
interop_mode	(Optional) Interoperability mode
load_balancing	(Optional) Load balancing
operational_state	(Optional) Operational state
inactive_vsan_name	(Optional) Isolated VSAN
evfp_control_vsan_name	(Optional) EVFP isolated VSAN

Command Mode

- /exec

show vsan membership

show vsan [<id_in>] membership [__readonly__ { TABLE_vsan <id> [<inactive_vsan_name>] [<evfp_control_vsan_name>] [TABLE_interface <name>] }]

Syntax Description

show	Show running system information
vsan	Vsan commands
id_in	(Optional) VSAN ID range
membership	VSAN membership information
__readonly__	(Optional) Read Only
TABLE_vsan	(Optional) VSAN table
id	(Optional) VSAN ID
inactive_vsan_name	(Optional) Isolated VSAN
evfp_control_vsan_name	(Optional) EVFP isolated VSAN
TABLE_interface	(Optional) List of interface members
name	(Optional) Interface name

Command Mode

- /exec

show vsan membership interface

show vsan membership interface <if_in> [__readonly__ { TABLE_interface <name> <vsan_id_memb> [<inactive_vsan_name> | <evfp_control_vsan_name>] <allowed_vsan_list> }]

Syntax Description

show	Show running system information
vsan	Vsan commands
membership	VSAN membership information
interface	Show interface status and information
if_in	Interface range
__readonly__	(Optional) Read Only
TABLE_interface	(Optional) Interface VSAN table
name	(Optional) Interface Name
vsan_id_memb	(Optional) VSAN ID to which interface belongs
inactive_vsan_name	(Optional) Isolated VSAN
evfp_control_vsan_name	(Optional) EVFP isolated VSAN
allowed_vsan_list	(Optional) Allowed VSAN list

Command Mode

- /exec

show vsan usage

show vsan usage [__readonly__ { <num_vsans_configured> <configured_range_of_vsans> <vsans_available_to_configure> }]

Syntax Description

show	Show running system information
vsan	Vsan commands
usage	show VSAN usage in the system
__readonly__	(Optional) Read Only
num_vsans_configured	(Optional) Total VSAN's configured
configured_range_of_vsans	(Optional) Range of VSAN's configured
vsans_available_to_configure	(Optional) VSAN range available to configure

Command Mode

- /exec

show vtp counters

show vtp counters [__readonly__ <start> <summary_rx> <subset_rx> <request_rx> <summary_tx> <subset_tx> <request_tx> <num_config_rev_error> <num_config_digest_error> <num_v1_summary_error> [{ TABLE_pruning_counters <if_index> <join_tx> <join_rx> <summary_adv_v1_rx> }]]

Syntax Description

show	Show running system information
vtp	VTP information
counters	VTP statistics
__readonly__	(Optional) Read Only
start	(Optional) Start
summary_rx	(Optional) Summary advertisements received
subset_rx	(Optional) Subset advertisements received
request_rx	(Optional) Request advertisements received
summary_tx	(Optional) Summary advertisements transmitted
subset_tx	(Optional) Subset advertisements transmitted
request_tx	(Optional) Request advertisements transmitted
num_config_rev_error	(Optional) Number of config revision errors
num_config_digest_error	(Optional) Number of config digest errors
num_v1_summary_error	(Optional) Number of V1 summary errors
TABLE_pruning_counters	(Optional) Pruning counters in table format
if_index	(Optional) Trunk
join_tx	(Optional) Join Transmitted
join_rx	(Optional) Join Received
summary_adv_v1_rx	(Optional) Summary advts received from non-pruning-capable device

Command Mode

- /exec

show vtp datafile

show vtp datafile

Syntax Description

show	Show running system information
vtp	VTP information
datafile	vlan.dat

Command Mode

- /exec

show vtp domain id

show vtp domain id <domain-id> [__readonly__ <start> <domain_name> <oper-mode> <config_rev> <last_modified_ip> <last_modified_time> <tftp_server> <tftp_file_path> <pruning_mode> <version_in_use> <oper_pruning_mode>]

Syntax Description

show	Show running system information
vtp	VTP information
domain	VTP administrative domain
id	VTP administrative domain ID
domain-id	Domian index(Domain-id)
__readonly__	(Optional) Read Only
start	(Optional) Start
domain_name	(Optional) VTP Domain Name
oper-mode	(Optional) VTP Mode
config_rev	(Optional) Configuration Revision
last_modified_ip	(Optional) Configuration last modified by
last_modified_time	(Optional) Configuration last modified at
tftp_server	(Optional) TFTP Server IP Address
tftp_file_path	(Optional) TFTP complete path of the file
pruning_mode	(Optional) Pruning mode Enabled/Disabled
version_in_use	(Optional) VTP Version in use
oper_pruning_mode	(Optional) Operational Pruning Mode

Command Mode

- /exec

show vtp interface

show vtp interface [<interface_range>] [__readonly__ [<start>] { TABLE_vtp_interface <if_index> <status> }]

Syntax Description

show	Show running system information
vtp	VTP information
interface	VTP interface status and configuration
interface_range	(Optional) Enter interfaces
__readonly__	(Optional) Read Only
start	(Optional) Start
TABLE_vtp_interface	(Optional) VTP interface configuration in table format
if_index	(Optional) Trunk
status	(Optional) VTP interface status

Command Mode

- /exec

show vtp mibstats

show vtp mibstats [__readonly__ <start> <summary_rx> <subset_rx> <request_rx> <summary_tx> <subset_tx> <request_tx> <num_config_rev_error> <num_config_digest_error>]

Syntax Description

show	Show running system information
vtp	VTP information
mibstats	VTP Statistics for MIB
__readonly__	(Optional) Read Only
start	(Optional) Start
summary_rx	(Optional) Summary advertisements received
subset_rx	(Optional) Subset advertisements received
request_rx	(Optional) Request advertisements received
summary_tx	(Optional) Summary advertisements transmitted
subset_tx	(Optional) Subset advertisements transmitted
request_tx	(Optional) Request advertisements transmitted
num_config_rev_error	(Optional) Number of config revision errors
num_config_digest_error	(Optional) Number of config digest errors

Command Mode

- /exec

show vtp password

show vtp password [domain <domain-id>] [__readonly__ <start> <passwd> <password-type> <secret-key>]

Syntax Description

show	Show running system information
vtp	VTP information
password	VTP password
domain	(Optional) VTP administrative domain
domain-id	(Optional) Domian index(Domain-id)
__readonly__	(Optional) Read Only
start	(Optional) Start
passwd	(Optional) VTP Domain Password
password-type	(Optional) Password Type (1=plaintxt, 2=hidden)
secret-key	(Optional) Secret Key for the password

Command Mode

- /exec

show vtp status

show vtp status [__readonly__ <start> <version> <config_rev> <max_vlan_supported_local> <num_current_vlans> <oper_mode> <domain_name> <pruning_mode> <oper_pruning_mode> <v2_mode> <trap_enabled> <md5_digest> <last_modified_ip> <last_modified_time> <running-version> <updater_id> <updater_reason>]

Syntax Description

show	Show running system information
vtp	VTP information
status	VTP domain status
__readonly__	(Optional) Read Only
start	(Optional) Start
version	(Optional) VTP version
config_rev	(Optional) Configuration Revision
max_vlan_supported_local	(Optional) Maximum VLANs supported locally
num_current_vlans	(Optional) Number of existing VLANs
oper_mode	(Optional) VTP Mode
domain_name	(Optional) VTP Domain Name
pruning_mode	(Optional) Pruning Mode
oper_pruning_mode	(Optional) Operational Pruning Mode
v2_mode	(Optional) VTP v2 Mode
trap_enabled	(Optional) trap enabled
md5_digest	(Optional) MD5 Digest
last_modified_ip	(Optional) Configuration last modified by
last_modified_time	(Optional) Configuration last modified at
running-version	(Optional) VTP Version Running
updater_id	(Optional) Local Updater id
updater_reason	(Optional) Local Updater id reason

Command Mode

- /exec

show vtp trunk interface

show vtp trunk interface <if_index> [__readonly__ <start> <out_if_index> <join_rx> <join_tx> <summary_adv_v1_rx> <pruning_eligible> <vlan_joined_tx> <vlan_joined_rx> <vtp_enabled>]

Syntax Description

show	Show running system information
vtp	VTP information
trunk	VTP Trunk VLAN
interface	Specify an VTP Trunk interface
if_index	VTP Trunk Port Interface Index
__readonly__	(Optional) Read Only
start	(Optional) Start
out_if_index	(Optional) Returned VTP Trunk Port Interface Index
join_rx	(Optional) Join(s) Received
join_tx	(Optional) Join(s) Transmitted
summary_adv_v1_rx	(Optional) Summary advts received from non-pruning-capable device
pruning_eligible	(Optional) Pruning Eligible
vlan_joined_tx	(Optional) Trunk Port TX Vlans Joined
vlan_joined_rx	(Optional) Trunk Port RX Vlans Joined
vtp_enabled	(Optional) VTP Enabled (Yes(1)/No(0))

Command Mode

- /exec

show vtp vlan

show vtp vlan <vlan-id> [domain <domain-id>] [__readonly__ <start> <status> <type> <vlan_name> <mtu> <said> <ring_number> <bridge_number> <stp_type> <parent_vlan> <trans_vlan1> <trans_vlan2> <bridge_type> <max_are_hop> <max_ste_hop> <crf_backup> <vlan_type_ext> <ifindex>]

Syntax Description

show	Show running system information
vtp	VTP information
vlan	VTP Domain VLANs
vlan-id	VTP VLAN index(VLAN-id)
domain	(Optional) VTP administrative domain
domain-id	(Optional) Domian index(Domain-id)
__readonly__	(Optional) Read Only
start	(Optional) Start
status	(Optional) VTP VLAN Status - Operational=0,Suspended=1
type	(Optional) VTP VLAN Type
vlan_name	(Optional) VTP VLAN Name
mtu	(Optional) VTP VLAN MTU
said	(Optional) VTP VLAN ID
ring_number	(Optional) VTP VLAN Ring Numeber for FDDI/TR
bridge_number	(Optional) VTP VLAN Bridge Number for FDDI-NET/TR-NET
stp_type	(Optional) VTP VLAN STP Type for FDDI-NET/TR-NET
parent_vlan	(Optional) VTP VLAN Parent VLAN for FDDI/TR
trans_vlan1	(Optional) VTP VLAN Translational VLAN 1
trans_vlan2	(Optional) VTP VLAN Translational VLAN 2
bridge_type	(Optional) VTP VLAN Brdige Type
max_are_hop	(Optional) VTP VLAN Max are-hop count
max_ste_hop	(Optional) VTP VLAN Max ste_hop count
crf_backup	(Optional) VTP VLAN Backup CRF Mode

vlan_type_ext	(Optional) VTP VLAN Type - VTP Managable, Internal, RSPAN, Dynamic GVRP
ifindex	(Optional) VTP VLAN Interface Index

Command Mode

- /exec

W Show Commands

- show wred-queue qos-group-map, on page 3220
- show wrr-queue qos-group-map, on page 3221
- show wrr unicast-bandwidth, on page 3222
- show wwn interface, on page 3223
- show wwn status, on page 3224
- show wwn switch, on page 3225
- show wwn test, on page 3226
- show wwn vsan-wwn, on page 3228
- show wwn vsan, on page 3229

show wred-queue qos-group-map

show wred-queue qos-group-map [__readonly__ TABLE_wred_queue_qos_group_map <wred-queue><qos-group-map>]

Syntax Description

show	Show running system information
wred-queue	Show WRED qos-group information
qos-group-map	Display mapping of the qos-group information
__readonly__	(Optional)
TABLE_wred_queue_qos_group_map	(Optional) XML show wred-queue qos-group-map

Command Mode

- /exec

show wrr-queue qos-group-map

show wrr-queue qos-group-map [__readonly__ <mcast_queue_id> [TABLE_wrr_queue <wrr_queue> [TABLE_qos_group <qos_group>]]]

Syntax Description

show	Show running system information
wrr-queue	Display mapping of traffic priority (CoS) values to L3 Multicast
qos-group-map	Show wrr-queue qos-group-map
__readonly__	(Optional)
mcast_queue_id	(Optional) MCAST Queue ID
TABLE_wrr_queue	(Optional) Table wrr queue
wrr_queue	(Optional) Traffic priority values
TABLE_qos_group	(Optional) Table qos group
qos_group	(Optional) QoS-Group-Map

Command Mode

- /exec

show wrr unicast-bandwidth

show wrr unicast-bandwidth [__readonly__ TABLE_wrr_unicast_bandwidth <unicast-bandwidth>]

Syntax Description

show	Show running system information
wrr	unicast bandwidth configuration
unicast-bandwidth	rate in precentage of data rate
__readonly__	(Optional)
TABLE_wrr_unicast_bandwidth	(Optional) XML show wrr unicast-bandwidth
unicast-bandwidth	(Optional) unicast bandwidth value

Command Mode

- /exec

show wwn interface

show wwn interface <if0>

Syntax Description

show	Show running system information
wwn	show wwn information
interface	Show interface WWN
if0	

Command Mode

- /exec

show wwn status

show wwn status [{ backplane-prom | block-id <i0> | non-volatile-pss | volatile-pss }] [__readonly__ [TABLE_status <type> <configured> <available> <avbl_percent> <resd> <alarm>] [<wwn_start> <wwn_end> <num_of_wwn> <allocated_wwn> <available_wwn> <alloc_status>]]

Syntax Description

show	Show running system information
wwn	show wwn information
status	Show overall WWN Usage and Alarm Status
backplane-prom	(Optional) Show WWN block in backplane PROM
block-id	(Optional) Enter a block id.
i0	(Optional) Enter a block id.
non-volatile-pss	(Optional) Show contents of non-volatile PSS
volatile-pss	(Optional) Show contents of volatile PSS
__readonly__	(Optional) Read Only
TABLE_status	(Optional) show wwn status table
type	(Optional) WWN Type
configured	(Optional) Number of Confugured WWNs
available	(Optional) Number of Available WWNs
avbl_percent	(Optional) Available % of WWNs
resd	(Optional) Reserved WWNs
alarm	(Optional) Alarm State
wwn_start	(Optional) Start value of WWN-range
wwn_end	(Optional) End value of WWN-range
num_of_wwn	(Optional) Total Number of WWNs
allocated_wwn	(Optional) Number of Allocated WWNs
available_wwn	(Optional) Number of Available WWNs
alloc_status	(Optional) Block Allocation Status

Command Mode

- /exec

show wwn switch

show wwn switch [__readonly__ { <sw_wwn> }]

Syntax Description

show	Show running system information
wwn	show wwn information
switch	Show switch WWN
__readonly__	(Optional) Read Only
sw_wwn	(Optional) The Switch WWN

Command Mode

- /exec

show wwn test

show wwn test { get_swwn_from_pwwn <wwn0> | get_pwwn_from_swwn <wwn1> if_index <i0> | get_ifindex_from_fwwn <wwn2> | get_ifindex_from_pwwn <wwn3> | validate_pwwn_given_swwn <wwn4> pwwn <wwn5> | get_all_pwwn_for_slot <i1> | get_kc_type_given_swwn <wwn6> pwwn <wwn7> | get_ifindex_from_pwwn_swwn <wwn8> pwwn <wwn9> }

Syntax Description

show	show running system information
wwn	show wwn information
test	show wwn information for testing
get_swwn_from_pwwn	show switch wwn from port wwn
wwn0	port wwn
get_pwwn_from_swwn	show port wwn from switch wwn
wwn1	switch wwn
if_index	interface index
i0	Interface index
get_ifindex_from_fwwn	show ifindex from fabric wwn
wwn2	fabric wwn
get_ifindex_from_pwwn	show ifindex from port wwn
wwn3	port wwn
validate_pwwn_given_swwn	validate port wwn for given swwn
wwn4	switch wwn
pwwn	port wwn
wwn5	port wwn
get_all_pwwn_for_slot	show all port wwn for a given slot
i1	Slot number
get_kc_type_given_swwn	show KC type
wwn6	switch wwn
pwwn	port wwn
wwn7	port wwn

get_ifindex_from_pwwn_swwn	show ifindex for given pwwn and swwn
wwn8	switch wwn
pwwn	port wwn
wwn9	port wwn

Command Mode

- /exec

show wwn vsan-wwn

show wwn vsan-wwn [__readonly__ [TABLE_wwnvsan <vsan_id> <wwn_conf>]]

Syntax Description

show	Show running system information
wwn	show wwn information
vsan-wwn	Show all user configured vsan wwn
__readonly__	(Optional) Read Only
TABLE_wwnvsan	(Optional) vsan-wwn table
vsan_id	(Optional) VSAN ID
wwn_conf	(Optional) wwn configured by user

Command Mode

- /exec

show wwn vsan

show wwn vsan <i0>

Syntax Description

show	Show running system information
wwn	show wwn information
vsan	Show vsan WWN
i0	

Command Mode

- /exec

X Show Commands

- show xml server logging configuration, on page 3232
- show xml server status, on page 3233

show xml server logging configuration

show xml server logging configuration

Syntax Description

show	Show running system information
xml	Show xmlagent logging configuration
server	xml agent server
logging	Show logging configuration and contents of logfile
configuration	Show facility logging configuration

Command Mode

- /exec

show xml server status

show xml server status [__readonly__ { operational_status <o_status> } { maximum_sessions_configured <max_session> } [{ TABLE_sessions <session_id> <user_name> <start_time> <sap_id> <timeout> <time_remaining_to_timeout> <ip_addr> }]]

Syntax Description

show	to display xml agent information
xml	xml agent
server	xml agent server
status	display xml agent information
__readonly__	(Optional)
operational_status	(Optional) run-time info about xml
o_status	(Optional) operational status of the xml
maximum_sessions_configured	(Optional) the max session configured
max_session	(Optional) max sessions number
TABLE_sessions	(Optional) all xml sessions
session_id	(Optional) one xml session id
user_name	(Optional) the xml session user name
start_time	(Optional) the xml session start time
sap_id	(Optional) the mts sap id
timeout	(Optional) inactivity timeout value
time_remaining_to_timeout	(Optional) time remaining to timeout
ip_addr	(Optional) ip address of the session

Command Mode

- /exec

PART II

New, Changed, and Deprecated Commands

- New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.2(2), on page 3237
- New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.2(3), on page 3267
- New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.2(4), on page 3281

New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.2(2)

- New Show Commands in Cisco NX-OS Release 9.2(2), on page 3238
- Changed Show Commands in Cisco NX-OS Release 9.2(2), on page 3240
- Deprecated Show Commands in Cisco NX-OS Release 9.2(2), on page 3266

New Show Commands in Cisco NX-OS Release 9.2(2)

The following commands are added in this release.

- show consistency-checker kim
- show consistency-checker vxlan infra [detail]
- show consistency-checker vxlan l2 [detail]
- show consistency-checker vxlan l3 [verbose]
- show forwarding distribution multicast vxlan dsg-db
- show hardware profile packet-drop { status | data [instance <cap_instance>] | event [instance <cap_instance>] }
- show icam health [__readonly__ { <Version> } [{ TABLE_cpu <CpuTypeName> <CpuTypeValue> }] [{ TABLE_mem <MemTypeName> <MemTypeValue> }] [{ TABLE_ps <PsTypeName> <PsTypeValue> }]]
- show icam itd [__readonly__ { <Version> } [{ TABLE_svc <Svc> <DG> [{ TABLE_stats <OrigNode> <AssignTo> <Mode> <PktCnt> <PktPct> }] }]]
- show icam prediction resource acl_tcam module <module> inst <inst> trend [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <Feature_Entries1> <Free_Entries1> <Percent_Util1> <Feature_Entries2> <Free_Entries2> <Percent_Util2> <Feature_Entries3> <Free_Entries3> <Percent_Util3> }] [<mod> <inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used1> <Free1> <Util1> <Used2> <Free2> <Util2> <Used3> <Free3> <Util3> }]]
- show interface <ifeth_ctr> counters [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inbytes>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface_tx> [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]
- show interface <ifeth_ctr> counters snmp [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inbytes>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface_tx> [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]
- show nxapi syntax <cli>
- show port-channel scale-fanout
- show postcard-telemetry exporter [name] [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp>]
- show postcard-telemetry flow-profile [name] [<flow-profilename>] [__readonly__ <flow-profile> <description> <dscp> <age> <latency>]
- show postcard-telemetry monitor [name] [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <record> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist>]

- show postcard-telemetry queue-profile [name] [<queue-profilename>] [__readonly__ <queue-profile> <description> <depth> <latency>]
- show postcard-telemetry sessions [<monitorname>] [__readonly__ <monitor>]
- show postcard-telemetry watchlist [name] [{ <watchlistname> }] [__readonly__ <watchlist> <use_count> <description> <num_aces> <ace_seq_num> <ace_action> <ace_type> <ace_sip> <ace_sip_len> <ace_dip> <ace_dip_len>]
- show system image-verification
- show system poap
- show system security [common-criteria] [__readonly__ { [<common_criteria_o_status>] }]
- show system simulate fan-presence
- show ttag brief [__readonly__ [TABLE_ttag <ttag-ifindex> <state>] <ttag-end>]

Changed Show Commands in Cisco NX-OS Release 9.2(2)

The following commands are changed in this release.

- OLD: show banner exec
- NEW: show banner exec [__readonly__ { banner_msg <b_msg> }]
- OLD: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module_no>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<dectect_timer>] [<down_count>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- NEW: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module_no>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<detect_timer>] [<down_count>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- OLD: show cli list [detail | recurse | <component> | <max-per-cmd>] +
- NEW: show cli list [detail | recurse | <component> | <max-per-cmd> | has-xml-out] +
- OLD: show configuration session nx-api rest [with-dn]
- NEW: show configuration session nx-api rest [with-dn | for-cr]
- OLD: show dot1x [__readonly__ <sys_auth_ctrl> <proto_ver>]
- NEW: show dot1x [__readonly__ <sys_auth_ctrl> <proto_ver> <mac_move>]
- OLD: show dot1x all [__readonly__ <sys_auth_ctrl> <proto_ver> TABLE_all <if_index> TABLE_allpae <pae_type> [<port_control>] [<host_mode>] [<quiet_period>] [<inactivity_period>] [<tx_period>

] [<max_req>] [<reauth>] [<rate_limit_period>] [<supp_timeout>] [<server_timeout>] [<reauth_server>] [<reauth_period>] [<reauth_max>] [<mac_auth_bypass>] [<start_period>] [<auth_period>] [<held_period>] [<max_start>]]

- NEW: show dot1x all [__readonly__ <sys_auth_ctrl> <proto_ver> <mac_move> TABLE_all <if_index> TABLE_allpae <pae_type> [<port_control>] [<host_mode>] [<quiet_period>] [<inactivity_period>] [<tx_period>] [<max_req>] [<reauth>] [<rate_limit_period>] [<supp_timeout>] [<server_timeout>] [<reauth_server>] [<reauth_period>] [<reauth_max>] [<mac_auth_bypass>] [<start_period>] [<auth_period>] [<held_period>] [<max_start>]]

- OLD: show dot1x all details [__readonly__ <sys_auth_ctrl> <proto_ver> TABLE_alldetail <if_index> TABLE_allpaedetail <pae_type> [<port_control>] [<host_mode>] [<quiet_period>] [<inactivity_period>] [<tx_period>] [<max_req>] [<reauth>] [<rate_limit_period>] [<supp_timeout>] [<server_timeout>] [<reauth_server>] [<reauth_period>] [<reauth_max>] [<mac_auth_bypass>] [<no_of_clients>] [<port_status_no_clients>] [{ TABLE_if_auth_clients [<supp_mac_addr>] [<auth_domain>] [<auth_sm_state>] [<auth_bend_sm_state>] [<port_status>] [<authentication_method>] [<authenticated_by>] [<reauth_period_client>] [<reauth_action>] [<time_to_next_reauth>] [<auth_vlan>] }] [<start_period>] [<auth_period>] [<held_period>] [<max_start>] [<no_of_supp_clients>] [<auth_mac_addr>] [<supp_sm_state>] [<supp_bend_sm_state>] [<supp_port_status>]]

- NEW: show dot1x all details [__readonly__ <sys_auth_ctrl> <proto_ver> <mac_move> TABLE_alldetail <if_index> TABLE_allpaedetail <pae_type> [<port_control>] [<host_mode>] [<quiet_period>] [<inactivity_period>] [<tx_period>] [<max_req>] [<reauth>] [<rate_limit_period>] [<supp_timeout>] [<server_timeout>] [<reauth_server>] [<reauth_period>] [<reauth_max>] [<mac_auth_bypass>] [<no_of_clients>] [<port_status_no_clients>] [{ TABLE_if_auth_clients [<supp_mac_addr>] [<auth_domain>] [<auth_sm_state>] [<auth_bend_sm_state>] [<port_status>] [<authentication_method>] [<authenticated_by>] [<reauth_period_client>] [<reauth_action>] [<time_to_next_reauth>] [<auth_vlan>] }] [<start_period>] [<auth_period>] [<held_period>] [<max_start>] [<no_of_supp_clients>] [<auth_mac_addr>] [<supp_sm_state>] [<supp_bend_sm_state>] [<supp_port_status>]]

- OLD: show event manager system-policy [all | <policy-name>] [__readonly__ { <sys-pol-details> }]

- NEW: show event manager system-policy [all | <policy-name>] [__readonly__ { [TABLE_eem [<thresh_min>] [<thresh_max>] <event_name> <event_description> <event_overridable>] }]

- OLD: show fabric multicast { ipv4 { mroute [{ <v4_group> [<v4_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } | ipv6 { mroute [{ <v6_group> [<v6_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <context_name> <nlri_type> <vnid> [TABLE_mroute <mroute> { TABLE_node <node_addr> <real_join> <sim_join> <rpf_nbr> }] [TABLE_rp <border_leaf_addr> { TABLE_rp_grange <rp_grange_desc> }] [TABLE_ssm <border_leaf_addr> { TABLE_ssm_range <ssm_range_desc> }]]

- NEW: show fabric multicast { ipv4 { mroute [{ <v4_group> [<v4_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } | ipv6 { mroute [{ <v6_group> [<v6_source>] }] | ssm-range | rp-grange | sa-ad-route [{ <v4_group> [<v4_source>] }] } } [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <context_name> <nlri_type> <vnid> [TABLE_mroute <mroute> <mroute_uptime> { TABLE_node <node_addr> <node_uptime> <real_join> <sim_join> <rpf_nbr> }] [TABLE_rp <border_leaf_addr> { TABLE_rp_grange <rp_grange_desc> }] [TABLE_ssm <border_leaf_addr> { TABLE_ssm_range <ssm_range_desc> }]]

- OLD: show fabricpath isis [<l2mp-isis-tag>] database [<level>] [mgroup] [detail | advertise | summary] [<lid>] { [zero-sequence] | [router-id <rid>] | [adjacency <adj-id>] } [__readonly__ [TABLE_process_tag <process-tag-out> [<dbase-hname-absent-out>] [TABLE_lsp_name <dbase-lsp-name-out> <dbase-lsp-status-out> <dbase-lsp-absent-out> [<dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> <dbase-lsp-lifetime-out> <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out>] [<dbase-lsp-instance-out> [TABLE_lsp_tlv <dbase-lsp-tlv-name-out> [<dbase-lsp-area-addr-out>] [<dbase-lsp-is-nbr-name-out> <dbase-lsp-is-nbr-metric-out> <dbase-lsp-is-nbr-ext-metric-out>] [<dbase-lsp-es-nbr-name-out> <dbase-lsp-es-nbr-metric-out> <dbase-lsp-es-nbr-ext-metric-out>] [<dbase-lsp-auth-type-out> <dbase-lsp-auth-len-out>] [<dbase-lsp-ext-is-name-out> <dbase-lsp-ext-is-metric-out>] [<dbase-lsp-ip-ri-addr-out> <dbase-lsp-ip-ri-mask-out> <dbase-lsp-ip-ri-metric-out> <dbase-lsp-ip-ri-ext-metric-out> <dbase-lsp-ip-ri-up-down-out>] [TABLE_lsp_nlpid <dbase-lsp-prot-support-out>] [<dbase-lsp-ip-addr-out>] [<dbase-lsp-ipv6-addr-out>] [<dbase-lsp-hname-out> <dbase-lsp-hname-len-out>] [<dbase-lsp-tlv-unknown-out> <dbase-lsp-tlv-len-out>] [<dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out> <dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out>] [<dbase-lsp-extipv6-addr-out> <dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out> <dbase-lsp-extipv6-up-down-out> <dbase-lsp-extipv6-ext-origin-out>] [TABLE_lsp_subtlv <dbase-lsp-subtlv-name-out> [<dbase-lsp-extis-admin-group-out>] [<dbase-lsp-subtlv-ip-addr-out>] [<dbase-lsp-extis-bw-out>] [<dbase-lsp-extis-te-metric-out>] [<dbase-lsp-extis-pri1-out>] [<dbase-lsp-extis-pri1-val-out>] [<dbase-lsp-extis-pri2-out>] [<dbase-lsp-extis-pri2-val-out>] [<dbase-lsp-subtlv-len-out>] [<dbase-lsp-subtlv-unknown-out>]]] <dbase-lsp-digest-out>]] [<dbase-lsp-total-out>] [<dbase-lsp-empty-out>] [<dbase-lsp-zeroseq-out>]]]
- NEW: show fabricpath isis [<l2mp-isis-tag>] database [<level>] [mgroup] [detail | advertise | summary] [<lid>] { [zero-sequence] | [router-id <rid>] | [adjacency <adj-id>] } [__readonly__ [TABLE_process_tag <process-tag-out> [<dbase-hname-absent-out>] [TABLE_lsp_name <dbase-lsp-name-out> <dbase-lsp-status-out> <dbase-lsp-absent-out> [<dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> <dbase-lsp-lifetime-out> <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out>] [<dbase-lsp-instance-out> [TABLE_lsp_tlv <dbase-lsp-tlv-name-out> [<dbase-lsp-area-addr-out>] [<dbase-lsp-is-nbr-name-out> <dbase-lsp-is-nbr-metric-out> <dbase-lsp-is-nbr-ext-metric-out>] [<dbase-lsp-es-nbr-name-out> <dbase-lsp-es-nbr-metric-out> <dbase-lsp-es-nbr-ext-metric-out>] [<dbase-lsp-auth-type-out> <dbase-lsp-auth-len-out>] [<dbase-lsp-ext-is-name-out> <dbase-lsp-ext-is-metric-out>] [<dbase-lsp-ip-ri-addr-out> <dbase-lsp-ip-ri-mask-out> <dbase-lsp-ip-ri-metric-out> <dbase-lsp-ip-ri-ext-metric-out> <dbase-lsp-ip-ri-up-down-out>] [TABLE_lsp_nlpid <dbase-lsp-prot-support-out>] [<dbase-lsp-ip-addr-out>] [<dbase-lsp-ipv6-addr-out>] [<dbase-lsp-hname-out> <dbase-lsp-hname-len-out>] [<dbase-lsp-tlv-unknown-out> <dbase-lsp-tlv-len-out>] [<dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out> <dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out>] [<dbase-lsp-extipv6-addr-out> <dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out> <dbase-lsp-extipv6-up-down-out> <dbase-lsp-extipv6-ext-origin-out>] [TABLE_lsp_subtlv <dbase-lsp-subtlv-name-out> [<dbase-lsp-extis-admin-group-out>] [<dbase-lsp-subtlv-ip-addr-out>] [<dbase-lsp-extis-bw-out>] [<dbase-lsp-extis-te-metric-out>] [<dbase-lsp-extis-pri1-out>] [<dbase-lsp-extis-pri1-val-out>] [<dbase-lsp-extis-pri2-out>] [<dbase-lsp-extis-pri2-val-out>] [<dbase-lsp-ext-ipv4-pfxsid> <dbase-lsp-ext-ipv4-pfxsid-flag>] [<dbase-lsp-ext-ipv6-pfxsid> <dbase-lsp-ext-ipv6-pfxsid-flag>] [<dbase-lsp-subtlv-len-out>] [<dbase-lsp-subtlv-unknown-out>]]] <dbase-lsp-digest-out>]] [<dbase-lsp-total-out>] [<dbase-lsp-empty-out>] [<dbase-lsp-zeroseq-out>]]]
- OLD: show flow cache [ipv4 | ipv6 | ce] [__readonly__ [{ TABLE_flow_cache <flow-cache-index> [<flow-type>] [<source-ip>] [<destination-ip>] [<source-mac>] [<destination-mac>] [<bridge-domain-id>] [<ether-type>] [<source-port>] [<destination-port>] [<protocol>] [

<ipv6-flowlabel>] [<byte-count>] [<packet-count>] [<tcp-flags>] [<tos>] [<if-id>] [<flow-start>] [<flow-end>] }]]

- NEW: show flow cache [ipv4 | ipv6 | ce] [__readonly__ [{ TABLE_flow_cache <flow-cache-index> [<flow-type>] [<source-ip>] [<destination-ip>] [<source-mac>] [<destination-mac>] [<bridge-domain-id>] [<ether-type>] [<source-port>] [<destination-port>] [<protocol>] [<ipv6-flowlabel>] [<byte-count>] [<packet-count>] [<tcp-flags>] [<tos>] [<if-id>] [<output-if-id>] [<flow-start>] [<flow-end>] }]]

- OLD: show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [ipv4] [route | rnhdb] [recursive] [summary | detail | platform | partial | <prefix> [longer-prefixes] [detail | platform] | <address> [detail | platform] |

- NEW: show forwarding [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } | table <table_id>] [ipv4] [route | rnhdb] [recursive] [summary | [[detail | platform | partial | ipsg] [max-display-count <display_count>]] | [<prefix> [longer-prefixes] [detail | platform] | <address> [detail | platform] |

- OLD: show forwarding distribution nve overlay-vlan [__readonly__ <str>]

- NEW: show forwarding distribution nve overlay-vlan [__readonly__ TABLE_overlay_vlan_peer_id <Vlan> <SVP> <install> <Origin> <VFP-region> <peercount> <peer_id> +]

- OLD: show forwarding mpls [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } [label <label-id> | <prefix> | <v6prefix>] | table <table_id> [label <label-id> | <prefix> | <v6prefix>] | label-space <label-space-id> | label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform] [__readonly__ [{ TABLE_mpls <label> [<out-table-id>] [<fec>] [<out-ip>] [<out-intf>] [<out-label>] [<out-op>] [<hh>] [<ref-count>] [<in-pkts>] [<in-bytes>] [<out-pkts>] [<out-bytes>] }]]

- NEW: show forwarding mpls [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> } [label <label-id> | <prefix> | <v6prefix>] | table <table_id> [label <label-id> | <prefix> | <v6prefix>] | label-space <label-space-id> | label <label-id> | <prefix> | <v6prefix>] [stats] [module <module>] [implicit] [platform] [__readonly__ [{ TABLE_mpls <label> [{ TABLE_table_id [<out-table-id>] [<fec>] [<out-ip>] [<out-intf>] [<out-label>] [<out-op>] }] [<hh>] [<ref-count>] [<in-pkts>] [<in-bytes>] [<swap-out-pkts>] [<swap-out-bytes>] [<tunnel-out-pkts>] [<tunnel-out-bytes>] }]]

- OLD: show forwarding mpls summary [module <module>] [__readonly__ [{ TABLE_labels <space> <count> } <total_deagg_labels> <total_deagg_labels>]]

- NEW: show forwarding mpls summary [module <module>] [__readonly__ [{ TABLE_labels <space> <count> } <total_deagg_labels> <feature_evpn_status>]]

- OLD: show forwarding nve l3 adjacency tunnel <tunnel_id> [bd <bd_id> | detail | module <num> | table <table_id>] [__readonly__ TABLE_nvel3adj <tunnel_id> <bd_id> <table_id> <VNI> <Drop> <Refcount> <Origin> <State> <Del> <sw_index> <hw_index0> <hw_index1> <hw_index2>]

- NEW: show forwarding nve l3 adjacency tunnel <tunnel_id> [bd <bd_id> | detail | module <module> | table <table_id>] [__readonly__ TABLE_nvel3adj <tunnel_id> <bd_id> <table_id> <VNI> <Drop> <Refcount> <Origin> <State> <Del> <sw_index> <hw_index0> <hw_index1> <hw_index2>]

- OLD: show forwarding nve l3 peers [peers <peer_id> | tunnel <tunnel_id> | detail | module <num>] + [__readonly__ { TABLE_l3peers <tunnel_id> <peer_id> <peer_address> <interface> <rmac> <origin> <state> <del> <count> }]

- NEW: show forwarding nve l3 peers [peers <peer_id> | tunnel <tunnel_id> | detail | module <module>] + [__readonly__ { TABLE_l3peers <tunnel_id> <peer_id> <peer_address> <interface> <rmac> <origin> <state> <del> <count> }]

- OLD: show icam prediction scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } }] <YYYY> <Month> <Date> <Time> [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] }] }] }]]

- NEW: show icam prediction scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } }] <YYYY> <Month> <Date> <Time> [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] }] }] }]]

- OLD: show icam scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } }] [history <num_intervals> | utilization | thresholds] [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] [<Thres_Exceeded> <Polled_TS>] [<Avg_Util>] [<Week_Util> <Week_TS>] [<Peak_Util> <Peak_TS>] [<Info_Thres_Exceed> <Info_Thres_Exceed_TS> <Warn_Thres_Exceed> <Warn_Thres_Exceed_TS> <Crit_Thres_Exceed> <Crit_Thres_Exceed_TS>] }] }] }]]

- NEW: show icam scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } }] [history <num_intervals> | utilization | thresholds] [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] [<Thres_Exceeded> <Polled_TS>] [<Avg_Util>] [<Week_Util> <Week_TS>] [<Peak_Util> <Peak_TS>] [<Info_Thres_Exceed> <Info_Thres_Exceed_TS> <Warn_Thres_Exceed> <Warn_Thres_Exceed_TS> <Crit_Thres_Exceed> <Crit_Thres_Exceed_TS>] }] }] }]]

- OLD: show inband-telemetry exporter [name] [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp>]

- NEW: show inband-telemetry exporter [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp>]

- OLD: show inband-telemetry flow-profile [name] [<flow-profilename>] [__readonly__ <flow-profile> <description> <dscp> <age> <latency>]

- NEW: show inband-telemetry flow-profile [<flow-profilename>] [__readonly__ <flow-profile> <description> <dscp> <age> <latency>]
- OLD: show inband-telemetry monitor [name] [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <record> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist>]
- NEW: show inband-telemetry monitor [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <record> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist>]
- OLD: show inband-telemetry queue-profile [name] [<queue-profilename>] [__readonly__ <queue-profile> <description> <depth> <latency>]
- NEW: show inband-telemetry queue-profile [<queue-profilename> | queue-profile-default] [__readonly__ <queue-profile> <description> <depth> <latency>]
- OLD: show inband-telemetry record [name] [{ <recordname> }] [__readonly__ <record> <description> <use_count>]
- NEW: show inband-telemetry record [{ <recordname> }] [__readonly__ <record> <description> <use_count>]
- OLD: show inband-telemetry watchlist [name] [{ <watchlistname> }] [__readonly__ <watchlist> <use_count> <description> <num_aces> <ace_seq_num> <ace_action> <ace_type> <ace_sip> <ace_sip_len> <ace_dip> <ace_dip_len>]
- NEW: show inband-telemetry watchlist [{ <watchlistname> }] [__readonly__ <watchlist> <use_count> <description> <num_aces> <ace_seq_num> <ace_action> <ace_type> <ace_sip> <ace_sip_len> <ace_dip> <ace_dip_len>]
- OLD: show interface counters detailed [snmp] [__readonly__ TABLE_interface <interface> [<vdc_lvl_in_pkts>] [<vdc_lvl_in_bytes>] [<vdc_lvl_in_ucast>] [<vdc_lvl_in_mcast>] [<vdc_lvl_in_bcast>] [<vdc_lvl_in_bps>] [<vdc_lvl_in_pps>] [<vdc_lvl_in_avg_pkts>] [<vdc_lvl_in_avg_bytes>] [<vdc_lvl_out_pkts>] [<vdc_lvl_out_bytes>] [<vdc_lvl_out_ucast>] [<vdc_lvl_out_mcast>] [<vdc_lvl_out_bcast>] [<vdc_lvl_out_bps>] [<vdc_lvl_out_pps>] [<vdc_lvl_out_avg_pkts>] [<vdc_lvl_out_avg_bytes>] [<mgmt_in_pkts>] [<mgmt_in_bytes>] [<mgmt_in_mcast>] [<mgmt_in_compressed>] [<mgmt_in_errors>] [<mgmt_in_frame>] [<mgmt_in_overrun>] [<mgmt_in_fifo>] [<mgmt_out_pkts>] [<mgmt_out_bytes>] [<mgmt_out_underruns>] [<mgmt_out_errors>] [<mgmt_out_collisions>] [<mgmt_out_fifo>] [<mgmt_out_carrier>] [<mgmt_align_err>] [<mgmt_fcs_err>] [<mgmt_xmit_err>] [<mgmt_rcv_err>] [<mgmt_undersize>] [<mgmt_outdisc>] [<mgmt_single_col>] [<mgmt_multi_col>] [<mgmt_late_col>] [<mgmt_excess_col>] [<mgmt_carri_sen>] [<mgmt_runts>] [<mgmt_giants>] [<mgmt_sqetest_err>] [<mgmt_deferred_tx>] [<mgmt_inmactx_err>] [<mgmt_inmacrx_err>] [<mgmt_symbol_err>] [<loop_in_pkts>] [<loop_in_bytes>] [<loop_in_mcast>] [<loop_in_compressed>] [<loop_in_errors>] [<loop_in_frame>] [<loop_in_overrun>] [<loop_in_fifo>] [<loop_out_pkts>] [<loop_out_bytes>] [<loop_out_underruns>] [<loop_out_errors>] [<loop_out_collisions>] [<loop_out_fifo>] [<loop_out_carriers>] [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [

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- NEW: show interface counters detailed [snmp] [__readonly__ TABLE_interface <interface> [<vdc_lvl_in_pkts>] [<vdc_lvl_in_bytes>] [<vdc_lvl_in_ucast>] [<vdc_lvl_in_mcast>] [<vdc_lvl_in_bcast>] [<vdc_lvl_in_bps>] [<vdc_lvl_in_pps>] [<vdc_lvl_in_avg_pkts>] [<vdc_lvl_in_avg_bytes>] [<vdc_lvl_out_pkts>] [<vdc_lvl_out_bytes>] [<vdc_lvl_out_ucast>] [<vdc_lvl_out_mcast>] [<vdc_lvl_out_bcast>] [<vdc_lvl_out_bps>] [<vdc_lvl_out_pps>] [<vdc_lvl_out_avg_pkts>] [<vdc_lvl_out_avg_bytes>] [<mgmt_in_pkts>] [<mgmt_in_bytes>] [<mgmt_in_mcast>] [<mgmt_in_compressed>] [<mgmt_in_errors>] [<mgmt_in_frame>] [<mgmt_in_overrun>] [<mgmt_in_fifo>] [<mgmt_out_pkts>] [<mgmt_out_bytes>] [<mgmt_out_underruns>] [<mgmt_out_errors>] [<mgmt_out_collisions>] [<mgmt_out_fifo>] [<mgmt_out_carrier>] [<mgmt_align_err>] [<mgmt_fcs_err>] [<mgmt_xmit_err>] [<mgmt_rcv_err>

] [<mgmt_undersize>] [<mgmt_outdisc>] [<mgmt_single_col>] [<mgmt_multi_col>] [<mgmt_late_col>] [<mgmt_excess_col>] [<mgmt_carri_sen>] [<mgmt_runts>] [<mgmt_giants>] [<mgmt_sqetest_err>] [<mgmt_deferred_tx>] [<mgmt_inmactx_err>] [<mgmt_inmacrx_err>] [<mgmt_symbol_err>] [<loop_in_pkts>] [<loop_in_bytes>] [<loop_in_mcast>] [<loop_in_compressed>] [<loop_in_errors>] [<loop_in_frame>] [<loop_in_overrun>] [<loop_in_fifo>] [<loop_out_pkts>] [<loop_out_bytes>] [<loop_out_underruns>] [<loop_out_errors>] [<loop_out_collisions>] [<loop_out_fifo>] [<loop_out_carriers>] [<eth_load_interval1_rx>] [<eth_inrate1_bits>] [<eth_inrate1_pkts>] [<eth_load_interval1_tx>] [<eth_outrate1_bits>] [<eth_outrate1_pkts>] [<eth_inrate1_summary_bits>] [<eth_inrate1_summary_pkts>] [<eth_outrate1_summary_bits>] [<eth_outrate1_summary_pkts>] [<eth_load_interval2_rx>] [<eth_inrate2_bits>] [<eth_inrate2_pkts>] [<eth_load_interval2_tx>] [<eth_outrate2_bits>] [<eth_outrate2_pkts>] [<eth_inrate2_summary_bits>] [<eth_inrate2_summary_pkts>] [<eth_outrate2_summary_bits>] [<eth_outrate2_summary_pkts>] [<eth_load_interval3_rx>] [<eth_inrate3_bits>] [<eth_inrate3_pkts>] [<eth_load_interval3_tx>] [<eth_outrate3_bits>] [<eth_outrate3_pkts>] [<eth_inrate3_summary_bits>] [<eth_inrate3_summary_pkts>] [<eth_outrate3_summary_bits>] [<eth_outrate3_summary_pkts>] [<eth_inpkts>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_ingiants>] [<eth_inbytes>] [<eth_storm_supp>] [<eth_inb64>] [<eth_inb65_127>] [<eth_inb128_255>] [<eth_inb256_511>] [<eth_inb512_1023>] [<eth_inb1024_1518>] [<eth_inb1519_1548>] [<eth_intrunk>] [<eth_outpkts>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_outgiants>] [<eth_outbytes>] [<eth_outb64>] [<eth_outb65_127>] [<eth_outb128_255>] [<eth_outb256_511>] [<eth_outb512_1023>] [<eth_outb1024_1518>] [<eth_outb1519_1548>] [<eth_outtrunk>] [<eth_nobuf>] [<eth_runts>] [<eth_crc>] [<eth_ecc>] [<eth_overrun>] [<eth_underrun>] [<eth_ignored>] [<eth_bad_eth>] [<eth_bad_proto>] [<eth_in_ifdown_drops>] [<eth_coll>] [<eth_latecoll>] [<eth_lostcarrier>] [<eth_nocarrier>] [<eth_babbles>] [<eth_watchdog>] [<eth_dribble>] [<eth_inerr>] [<eth_outerr>] [<eth_deferred>] [<eth_jabbers>] [<eth_shortframe>] [<eth_single_coll>] [<eth_multi_coll>] [<eth_excess_coll>] [<eth_indiscard>] [<eth_bad_encap>] [<eth_outcrc>] [<eth_symbol>] [<eth_out_drops>] [<eth_bpdu_outlost>] [<eth_cos0_outlost>] [<eth_cos1_outlost>] [<eth_cos2_outlost>] [<eth_cos3_outlost>] [<eth_cos4_outlost>] [<eth_cos5_outlost>] [<eth_cos6_outlost>] [<eth_cos7_outlost>] [<eth_inpause>] [<eth_outpause>] [<eth_resets>] [<eth_sqetest>] [<eth_l2_ucastpkts>] [<eth_l2_ucastbytes>] [<eth_l2_mcastpkts>] [<eth_l2_mcastbytes>] [<eth_l2_bcastpkts>] [<eth_l2_bcastbytes>] [<eth_l3in_routed_pkts>] [<eth_l3in_routed_bytes>] [<eth_l3out_routed_pkts>] [<eth_l3out_routed_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_ucastbytes>] [<eth_l3in_mcastpkts>] [<eth_l3in_mcastbytes>] [<eth_l3in_bcastpkts>] [<eth_l3in_bcastbytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_ucastbytes>] [<eth_l3out_mcastpkts>] [<eth_l3out_mcastbytes>] [<eth_l3out_bcastpkts>] [<eth_l3out_bcastbytes>] [<eth_l3avg1_inbytes>] [<eth_l3avg1_inpkts>] [<eth_l3avg1_outbytes>] [<eth_l3avg1_outpkts>] [<eth_ipmcast>] [<eth_inhw_switched>] [<eth_insw_switched>] [<eth_throtles>] [<eth_frame>] [<eth_outhw_switched>] [<eth_outsw_switched>] [<eth_buffail>] [<eth_bufswapped>] [<eth_arpdrops>] [<eth_out_ifdown_drops>] [<eth_fcoe_in_pkts>] [<eth_fcoe_in_octets>] [<eth_fcoe_out_pkts>] [<eth_fcoe_out_octets>] [<eth_nfcoe_in_pkts>] [<eth_nfcoe_in_octets>] [<eth_nfcoe_out_pkts>] [<eth_nfcoe_out_octets>] [<svi_routed_pkts_in>] [<svi_routed_bytes_in>] [<svi_routed_pkts_out>] [<svi_routed_bytes_out>] [<svi_ucast_pkts_in>] [<svi_ucast_bytes_in>] [<svi_mcast_pkts_in>] [<svi_mcast_bytes_in>] [<svi_ucast_pkts_out>] [<svi_ucast_bytes_out>] [<svi_mcast_pkts_out>] [<svi_mcast_bytes_out>] [<svi_ipv4_ucast_pkts_in>] [<svi_ipv4_ucast_bytes_in>] [<svi_ipv4_ucast_pkts_out>] [<svi_ipv4_ucast_bytes_out>] [<svi_ipv4_mcast_pkts_in>] [<svi_ipv4_mcast_bytes_in>] [<svi_ipv4_mcast_pkts_out>] [<svi_ipv4_mcast_bytes_out>] [<svi_ipv6_ucast_pkts_in>] [<svi_ipv6_ucast_bytes_in>] [<svi_ipv6_ucast_pkts_out>] [<svi_ipv6_ucast_bytes_out>] [<svi_ipv6_mcast_pkts_in>] [<svi_ipv6_mcast_bytes_in>] [<svi_ipv6_mcast_pkts_out>] [<svi_ipv6_mcast_bytes_out>] [<svi_average_input_bits>] [<svi_average_input_packets>] [<svi_average_output_bits>] [

<svi_average_output_packets>] [<svi_rate_in_mins>] [<svi_time_last_cleared>] [<svi_tx_load>] [<svi_rx_load>] [<svi_reliability>] [<input_rate_bit_per_sec>] [<input_rate_bytes_per_sec>] [<input_rate_frames_per_sec>] [<output_rate_bit_per_sec>] [<output_rate_bytes_per_sec>] [<output_rate_frames_per_sec>] [<in_frames>] [<in_bytes>] [<class_2_in_frames>] [<class_2_in_bytes>] [<class_3_in_frames>] [<class_3_in_bytes>] [<class_f_in_frames>] [<class_f_in_bytes>] [<class_2_3_in_frames>] [<in_discards>] [<in_errors>] [<in_crc_fcs>] [<in_unknown_class>] [<in_too_long>] [<in_too_short>] [<out_frames>] [<out_bytes>] [<class_2_out_frames>] [<class_2_out_bytes>] [<class_3_out_frames>] [<class_3_out_bytes>] [<class_f_out_frames>] [<class_f_out_bytes>] [<class_2_3_out_frames>] [<out_discards>] [<out_errors>] [<out_crc_fcs>] [<timeout_discards>] [<credit_loss>] [<input_ols>] [<input_lrr>] [<input_nos>] [<input_loop_inits>] [<output_ols>] [<output_lrr>] [<output_nos>] [<output_loop_inits>] [<link_faliures>] [<sync_loss>] [<signal_loss>] [<b2b_transmit>] [<b2b_receive>] [<txwait>] [<tx_credit_unavbl>] [<b2b_receive_remain>] [<b2b_transmit_remain>] [<low_priority_b2b_remain>] [<off_seq_err_rcvd>] [<broadcast_frames>] [<errors>] [<queue_drops>] [<if_down_drops>] [<red_drops>] [<bad_ether_type_drops>] [<bad_protocol_drops>] [<arp_drops>] [<reass_frames>] [<timestamp_error>] [<rx_b2b_perf_buff>] [<rx_b2b_credit>] [<tx_b2b_credit>] [<tx_b2b_low_pri_cre>] [<time_last_cleared>]]

- OLD: show interface counters snmp [module <module>] [__readonly__ { TABLE_rx_counters <interface> <eth_inpkts> [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface> <eth_outpkts> [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]

- NEW: show interface counters snmp [module <module>] [__readonly__ { TABLE_rx_counters <interface_rx> [<eth_inpkts>] [<eth_inbytes>] [<eth_inucast>] [<eth_inmcast>] [<eth_inbcast>] [<eth_l3in_bytes>] [<eth_l3in_ucastpkts>] [<eth_l3in_mcastpkts>] [<eth_l3in_bcastpkts>] } { TABLE_tx_counters <interface_tx> [<eth_outpkts>] [<eth_outbytes>] [<eth_outucast>] [<eth_outmcast>] [<eth_outbcast>] [<eth_l3out_bytes>] [<eth_l3out_ucastpkts>] [<eth_l3out_mcastpkts>] [<eth_l3out_bcastpkts>] }]

- OLD: show ip arp statistics [<interface>] [interface-all] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out1> [TABLE_stat <tx-total> <tx-req> <tx-reply> <tx-req-l2> <tx-reply-l2> <tx-grat> <tx-tunnel> <tx-drop> [<tx-srvrport>] [<tx-fbrcport>] [<tx-fixup-core>] [<tx-fixup-server>] [<tx-fixup-rarp>] [<tx-anycast-glean>] <tx-mbuf-fail> <tx-ctxt-not-crtd> <tx-bad-ctxt-id> <tx-invalid-ifindex> <tx-invalid-sip> <tx-invalid-dip> <tx-own-ip> <tx-unattached-ip> <tx-adj-create-fail> <tx-null-sip> <tx-null-smac> <tx-client-enq-fail> <tx-dest-unreachable-proxy-arp> <tx-dest-unreachable-enhanced-proxy> <tx-dest-l2port-track> <tx-invalid-local-proxy> <tx-invalid-proxy> <tx-vip-not-active> <rx-total> <rx-req> <rx-reply> <rx-req-l2> <rx-reply-l2> <rx-proxy> <rx-local-proxy> <rx-enhanced-proxy> <rx-enhanced-proxy-anycast> <rx-enhanced-proxy-l2port-track> <rx-tunnel> <rx-fastpath> <rx-snoop> <rx-drop> <rx-srvrport> <bad-if> <bad-len> <invalid-prot> <invalid-hrd-type> <invalid-ctxt> <ctxt-not-crtd> <invalid-l2> <invalid-l3> <invalid-sip> <our-sip> <arp-if-no-mem> <subnet-mismatch> <dir-bcast> <invalid-dip> <non-local-dst> <non-active-fhrp> <invalid-smac> <our-smac> <not-init> <l2-prxy-en> <l2-port-untrusted> <stdby-fhrp-vip> <grat-prxy-en> <arp-req-ignore> <l2-intf> <l2fm-query-fail> <tunnel_fail> [<hsrp-active-vmac>] [<rx-intf-down>] <recv-glean-count> <refresh-req-from-clients> <l2rib-signals> <adds> <dels> <timeouts>]]

- NEW: show ip arp statistics [<interface>] [interface-all] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name-out1> [TABLE_stat <tx-total> <tx-req> <tx-reply> <tx-req-l2> <tx-reply-l2> <tx-grat> <tx-tunnel> <tx-drop> [<tx-srvrport>] [<tx-fbrcport>] [<tx-fixup-core>] [<tx-fixup-server>] [<tx-fixup-rarp>] [<tx-anycast-glean>] <tx-mbuf-fail> <tx-ctxt-not-crtd> <tx-bad-ctxt-id> <tx-invalid-ifindex> <tx-invalid-sip> <tx-invalid-dip> <tx-own-ip> <tx-unattached-ip>

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- OLD: show ip community-list [<cl_name>] [__readonly__ TABLE_cl <name> <action> <rule>]
- NEW: show ip community-list [<cl_name>] [__readonly__ TABLE_cl <name> <seq> <action> <rule>]
- OLD: show ip igmp snooping mac-oif [vlan <vlan> | bridge-domain <bdid>] [detail] [__readonly__ [<totaloif>] [TABLE_vlan <vlan-id> <count> [TABLE_mac <mac-addr> [TABLE_oif <oifs>]]]]
- NEW: show ip igmp snooping mac-oif [vlan <vlan> | bridge-domain <bdid>] [detail] [__readonly__ [<totaloif>] [TABLE_vlan [<vlan-id>] [<count>] [TABLE_mac [<mac-addr>] [TABLE_oif [<oifs>]]]]]
- OLD: show ip nat-alias
- NEW: show ip nat-alias [__readonly__ [TABLE_nat_alias_vrf [{ <nat-alias-vrf-name> [TABLE_each_vrf_alias { <nat-alias-addr> <nat-alias-intr> }] }]]]
- OLD: show ip ospf [<tag>] traffic [<interface> [detail] | [detail] | [detail] vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_traf <ptag> <cname> <last_clear> [<ifname>] <pkt_in> <pkt_out> <lsu_first_trans> <lsu_retrans> <lsu_for_lsreq> <lsu_nbr_trans> <throttle_out> <throttle_out_token> <throttle_out_ip> <lsa_ignored> <lsa_dropped_spf> <lsa_dropped_gr> <pkt_drops_in> <pkt_drops_out> <pkt_errors_in> <pkt_errors_out> <hello_errors_in> <dbds_errors_in> <lsreqs_errors_in> <lsus_errors_in> <lsacks_errors_in> <pkt_unknown_in> <pkt_unknown_out> <pkt_no_ospf_intf> <bad_version> <bad_crc> <dup_rtr_id> <dup_src_addr> <invalid_src_addr> <invalid_dst_addr> <non_existing_nbr> <pkt_passive_intf> <wrong_area> <invalid_pkt_len> <nbr_changed_routerid_ipaddr> <nbr_changed_interfaceid> [<bad_auth>] [<bad_reserved>] [<pkt_no_vrf>] <hellos_in> <dbds_in> <lsreqs_in> <lsus_in> <lsacks_in> <hellos_out> <dbds_out> <lsreqs_out> <lsus_out> <lsacks_out> [<hellos_in_hq> <dbds_in_hq> <lsreqs_in_flq> <lsus_in_flq> <lsacks_in_flq> <lsas_in_dbds_in> <lsas_in_lsreqs_in> <lsas_in_lsus_in> <lsas_in_lsacks_in> <lsas_in_dbds_out> <lsas_in_lsreqs_out> <lsas_in_lsus_out> <lsas_in_lsacks_out> <lsas_in_rxmt_lsus_out>]]
- NEW: show ip ospf [<tag>] traffic [<interface> [detail] | [detail] | [detail] vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_traf <ptag> <cname> <last_clear> [<ifname>] <pkt_in> <pkt_out> <lsu_first_trans> <lsu_retrans> <lsu_for_lsreq> <lsu_nbr_trans> <throttle_out> <throttle_out_token> <throttle_out_ip> <lsa_ignored> <lsa_dropped_spf> <lsa_dropped_gr> <pkt_drops_in> <pkt_drops_out> <pkt_errors_in> <pkt_errors_out> <hello_errors_in> <dbds_errors_in> <lsreqs_errors_in> <lsus_errors_in> <lsacks_errors_in> <pkt_unknown_in> <pkt_unknown_out> <pkt_no_ospf_intf> <bad_version> <bad_crc> <dup_rtr_id> <dup_src_addr> <invalid_src_addr> <invalid_dst_addr> <non_existing_nbr> <pkt_passive_intf> <wrong_area> <invalid_pkt_len>

<nbr_changed_routerid_ipaddr> <nbr_changed_interfaceid> <bad_auth> <pkt_no_vrf> [<bad_reserved>] <hellos_in> <dbds_in> <lsreqs_in> <lsus_in> <lsacks_in> <hellos_out> <dbds_out> <lsreqs_out> <lsus_out> <lsacks_out> [<hellos_in_hq> <dbds_in_hq> <lsreqs_in_flq> <lsus_in_flq> <lsacks_in_flq> <lsas_in_dbds_in> <lsas_in_lsreqs_in> <lsas_in_lsus_in> <lsas_in_lsacks_in> <lsas_in_dbds_out> <lsas_in_lsreqs_out> <lsas_in_lsus_out> <lsas_in_lsacks_out> <lsas_in_rxmt_lsus_out>]]

- OLD: show ip pim oif-list <group> [<source>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name> { TABLE_grp <mcast-addrs> <incoming-intf> <rpf-nbr> <timeout-interval> <oif-list-count> [{ TABLE_oiflist <oif-name> }] <timeout-list-count> [{ TABLE_timeoutlist <timeoutoif-name> }] <immediate-list-count> [{ TABLE_immediatelist <immediateoif-name> }] <immediate-timeout-list-count> [{ TABLE_immediatetimeoutlist <immediatetimeoutoif-name> }] <sgr-prune-list-count> [{ TABLE_sgrprunelist <sgrprunelistoif-name> }] }]
- NEW: show ip pim oif-list <group> [<source>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ TABLE_vrf <vrf-name> [{ TABLE_grp [<mcast-addrs>] [<incoming-intf>] [<rpf-nbr>] [<timeout-interval>] [<oif-list-count>] [{ TABLE_oiflist <oif-name> }] [<timeout-list-count>] [{ TABLE_timeoutlist <timeoutoif-name> }] [<immediate-list-count>] [{ TABLE_immediatelist <immediateoif-name> }] [<immediate-timeout-list-count>] [{ TABLE_immediatetimeoutlist <immediatetimeoutoif-name> }] [<sgr-prune-list-count>] [{ TABLE_sgrprunelist <sgrprunelistoif-name> }] }]]
- OLD: show ip route [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | detail] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [<ipnexthop>] [<ifname>] [<bindlbl>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>] [<ubest>] [<mbest>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]
- NEW: show ip route [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | detail] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [<ipnexthop>] [<ifname>] [<bindlbl>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>] [<bgpbackuppath>] [<ubest>] [<mbest>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]
- OLD: show ipv6 dhcp relay statistics [interface <intf> [[server-ip <ip-addr-val> [use-vrf <vrf-name>] [interface <dest-interface>]] | [server-ip <ip-addr-val> [interface <dest-interface>] [use-vrf <vrf-name>]]]] [__readonly__ [<msg_stats_hdr> <msg_type_str> <rx_pkts> <tx_pkts> <drops> <msg_type_str_advertise> <rx_pkts_advertise> <tx_pkts_advertise> <drops_advertise> <msg_type_str_request> <rx_pkts_request> <tx_pkts_request> <drops_request> <msg_type_str_confirm> <rx_pkts_confirm> <tx_pkts_confirm> <drops_confirm> <msg_type_str_renew> <rx_pkts_renew>

<tx_pkts_renew> <drops_renew> <msg_type_str_rebind> <rx_pkts_rebind> <tx_pkts_rebind> <drops_rebind> <msg_type_str_reply> <rx_pkts_reply> <tx_pkts_reply> <drops_reply> <msg_type_str_release> <rx_pkts_release> <tx_pkts_release> <drops_release> <msg_type_str_decline> <rx_pkts_decline> <tx_pkts_decline> <drops_decline> <msg_type_str_reconfigure> <rx_pkts_reconfigure> <tx_pkts_reconfigure> <drops_reconfigure> <msg_type_str_inforeq> <rx_pkts_inforeq> <tx_pkts_inforeq> <drops_inforeq> <msg_type_str_relay_fwd> <rx_pkts_relay_fwd> <tx_pkts_relay_fwd> <drops_relay_fwd> <msg_type_str_relay_reply> <rx_pkts_relay_reply> <tx_pkts_relay_reply> <drops_relay_reply> <msg_type_str_unknown> <rx_pkts_unknown> <tx_pkts_unknown> <drops_unknown> <msg_type_str_total>] [<server_stats_hdr> [TABLE_server <server_helper_addr> <server_vrf> <server_intf> <server_requests> <server_responses>]] [<drop_hdr> <drop_relay_disable> <drop_max_hops> <drop_validation_fails> <drop_unknown_op_intf> <drop_bad_context> <drop_opt_insert_fail> <drop_server_direct_reply> <drop_no_ipv6_addr> <drop_intf_error> <drop_vpn_disabled> <drop_ipv6_extn_hdrs_presence> <drop_mct_drop>]]

- NEW: show ipv6 dhcp relay statistics [interface <intf> [[server-ip <ip-addr-val> [use-vrf <vrf-name>] [interface <dest-interface>]] | [server-ip <ip-addr-val> [interface <dest-interface>] [use-vrf <vrf-name>]]]] [__readonly__ [<msg_stats_hdr> <msg_type_str> <rx_pkts> <tx_pkts> <drops> <msg_type_str_advertise> <rx_pkts_advertise> <tx_pkts_advertise> <drops_advertise> <msg_type_str_request> <rx_pkts_request> <tx_pkts_request> <drops_request> <msg_type_str_confirm> <rx_pkts_confirm> <tx_pkts_confirm> <drops_confirm> <msg_type_str_renew> <rx_pkts_renew> <tx_pkts_renew> <drops_renew> <msg_type_str_rebind> <rx_pkts_rebind> <tx_pkts_rebind> <drops_rebind> <msg_type_str_reply> <rx_pkts_reply> <tx_pkts_reply> <drops_reply> <msg_type_str_release> <rx_pkts_release> <tx_pkts_release> <drops_release> <msg_type_str_decline> <rx_pkts_decline> <tx_pkts_decline> <drops_decline> <msg_type_str_reconfigure> <rx_pkts_reconfigure> <tx_pkts_reconfigure> <drops_reconfigure> <msg_type_str_inforeq> <rx_pkts_inforeq> <tx_pkts_inforeq> <drops_inforeq> <msg_type_str_relay_fwd> <rx_pkts_relay_fwd> <tx_pkts_relay_fwd> <drops_relay_fwd> <msg_type_str_relay_reply> <rx_pkts_relay_reply> <tx_pkts_relay_reply> <drops_relay_reply> <msg_type_str_unknown> <rx_pkts_unknown> <tx_pkts_unknown> <drops_unknown> <msg_type_str_total> <rx_pkts_total> <tx_pkts_total> <drops_total>] [<server_stats_hdr> [TABLE_server <server_helper_addr> <server_vrf> <server_intf> <server_requests> <server_responses>]] [<drop_hdr> <drop_relay_disable> <drop_max_hops> <drop_validation_fails> <drop_unknown_op_intf> <drop_bad_context> <drop_opt_insert_fail> <drop_server_direct_reply> <drop_no_ipv6_addr> <drop_intf_error> <drop_vpn_disabled> <drop_ipv6_extn_hdrs_presence> <drop_mct_drop>]]

- OLD: show ipv6 pim rp [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-context>] [<is-bsr-enabled>] [<is-bsr-listen-only>] [<is-bsr-forward-only>] [<are-we-bsr>] [<bsr-address>] [<is-bsr-address>] [<bsr-priority>] [<bsr-hash-masklen>] [<bs-timer>] [<bsr-uptime>] [<bsr-expires>] [<is-autorp-enabled>] [<is-autorp-listen-only>] [<is-autorp-forward-only>] [<are-we-autorp>] [<autorp-address>] [<is-autorp-address>] [<autorp-dis-timer>] [<autorp-up-time>] [<autorp-expire-time>] [<rp-cand-policy-name>] [<bsr-policy-name>] [<rp-announce-policy-name>] [<rp-discovery-policy-name>] [{ TABLE_anycast_rp [<anycast-rp-addr>] [{ TABLE_arp_rp [<arp-rp-addr>] [<is-rpaddr-local>] }] }] [{ TABLE_rp [<rp-addr>] [<is-rp-in-cib>] [<df-ordinal>] [<rp-uptime>] [<rp-priority>] [<autorp-expires>] [<bsr-rp-expires>] [<autorp-info-src>] [<bsr-info-src>] [<is-rp-static>] [<static-rp-group-map>] [{ TABLE_grange [<grange-grp>] [<grange-masklen>] [<is-bidir-grp>] [<is-autorp-rp-owner>] [<is-bsr-rp-owner>] [<is-static-rp-owner>] }] }]]

- NEW: show ipv6 pim rp [<group>] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<out-context>] [<is-bsr-enabled>] [<is-bsr-listen-only>] [<is-bsr-forward-only>] [<are-we-bsr>] [<bsr-address>] [<is-bsr-address>] [<bsr-priority>] [<bsr-hash-masklen>] [<bs-timer>] [<bsr-uptime>] [<bsr-expires>] [<rp-cand-policy-name>] [<bsr-policy-name>] [

<rp-announce-policy-name>] [<rp-discovery-policy-name>] [{ TABLE_anycast_rp [<anycast-rp-addr>] [{ TABLE_arp_rp [<arp-rp-addr>] [<is-rpaddr-local>] }] }] [{ TABLE_rp [<rp-addr>] [<is-rp-in-cib>] [<df-ordinal>] [<rp-uptime>] [<rp-priority>] [<bsr-rp-expires>] [<bsr-info-src>] [<is-rp-static>] [<static-rp-group-map>] [{ TABLE_grange [<grange-grp>] [<grange-masklen>] [<is-bidir-grp>] [<is-bsr-rp-owner>] [<is-static-rp-owner>] }] }]]

- OLD: show ipv6 pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<uptime>] [<reg-sent>] [<reg-rcvd>] [<null-reg-sent>] [<null-reg-rcvd>] [<reg-stop-sent>] [<reg-stop-rcvd>] [<reg-rcvd-not-rp>] [<reg-rcvd-for-ssm>] [<reg-rcvd-for-bidir>] [<bootstrap-sent>] [<bootstrap-rcvd>] [<cand-rp-sent>] [<cand-rp-rcvd>] [<bs-no-nbr>] [<bs-border-deny>] [<bs-len-errors>] [<bs-rpf-failed>] [<bs-no-listen>] [<candrp-border-deny>] [<candrp-no-listen>] [<autorp-announce-sent>] [<autorp-announce-rcvd>] [<autorp-discovery-sent>] [<autorp-discovery-rcvd>] [<autorp-rpf-failed>] [<autorp-border-deny>] [<autorp-invalid-type>] [<autorp-ttl-expired>] [<autorp-no-listen>] [<ctrl-no-route>] [<data-no-route>] [<no-state>] [<create-state>]]

- NEW: show ipv6 pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<uptime>] [<reg-sent>] [<reg-rcvd>] [<null-reg-sent>] [<null-reg-rcvd>] [<reg-stop-sent>] [<reg-stop-rcvd>] [<reg-rcvd-not-rp>] [<reg-rcvd-for-ssm>] [<reg-rcvd-for-bidir>] [<bootstrap-sent>] [<bootstrap-rcvd>] [<cand-rp-sent>] [<cand-rp-rcvd>] [<bs-no-nbr>] [<bs-border-deny>] [<bs-len-errors>] [<bs-rpf-failed>] [<bs-no-listen>] [<candrp-border-deny>] [<candrp-no-listen>] [<ctrl-no-route>] [<data-no-route>] [<no-state>] [<create-state>]]

- OLD: show itd <svc-name> [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> <probe> <lb_scheme> [<interface>] <state> <buckets> [<reason>] <vrf_name> <userACL> <peer_status> [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [<vip_dgname>] [<ace_name>] [<ace_seq>] [<ace_ip>] [<ace_protocol>] [<ace_port>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]

- NEW: show itd <svc-name> [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> [<probe>] <lb_scheme> [<interface>] <state> <buckets> [<reason>] [<vrf_name>] [<excludeACL>] [<userACL>] [<peer_status>] [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [<vip_dgname>] [<ace_name>] [<ace_seq>] [<ace_ip>] [<ace_protocol>] [<ace_port>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [

TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]

- OLD: show itd [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> <probe> <lb_scheme> [<interface>] <state> <buckets> [<reason>] <vrf_name> <userACL> <peer_status> [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [<vip_dgname>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]
- NEW: show itd [brief] [__readonly__ <is_firstentry> <is_detail> <is_active> <is_firstentry_routemap> <is_firstentry_standby> <is_firstentry_acl> <is_lastentry> [TABLE_summary <service_name> [<probe>] <lb_scheme> [<interface>] <state> <buckets> [<reason>] [<vrf_name>] [<excludeACL>] [<userACL>] [<peer_status>] [TABLE_device <device_grp> <dg_probe> <dg_probe_port>] [TABLE_route_map [<route_map>] [<interface>] [<r_status>] [<int_track_id>]] [TABLE_vip [<vip_ip>] [<vip_probe>] [<vip_port>] [<vip_dgname>] [TABLE_vip_node [<vip_node>] [<vip_nodev6>] <vip_config> <vip_weight> <vip_node_probe> <vip_node_probe_port> <vip_node_probe_ip> <vip_status> <vip_track_id> <vip_ip_sla_id> [TABLE_vip_standby [<vip_standby_ip>] [<vip_standby_ipv6>] <vip_standby_config> <vip_standby_weight> <vip_standby_probe> <vip_standby_probe_port> <vip_standby_probe_ip> <vip_standby_status> <vip_standby_track_id> <vip_standby_sla_id>] [TABLE_vip_acl [<vip_access_list>]]]] [TABLE_node [<node>] [<nodev6>] <config> <weight> <node_probe> <node_probe_port> <node_probe_ip> <status> <track_id> <ip_sla_id> [TABLE_standby [<standby_ip>] [<standby_ipv6>] <standby_config> <standby_weight> <standby_probe> <standby_probe_port> <standby_probe_ip> <standby_status> <standby_track_id> <standby_sla_id>] [TABLE_acl [<access_list>]]]]]
- OLD: show l2route evpn mac-ip all [detail] [__readonly__ TABLE_l2route_mac_ip_all <topo-id> <mac-addr> <prod-type> <flags> <seq-num> <host-ip> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]
- NEW: show l2route evpn mac-ip all [detail] [__readonly__ TABLE_l2route_mac_ip_all <topo-id> <mac-addr> <host-ip> <prod-type> <flags> <seq-num> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]
- OLD: show mac address-table multicast [vlan <vlan> | bridge-domain <bdid>] [__readonly__ [TABLE_vlan <vlan-id> [TABLE_mac <mac-addr> <type> [TABLE_oif <oifs>]]]]
- NEW: show mac address-table multicast [vlan <vlan> | bridge-domain <bdid>] [__readonly__ [TABLE_mac [<vlan-id>] [<mac-addr>] [<type>] [<age>] [TABLE_oif [<oifs>]]]]

- OLD: show macsec mka [summary] [__readonly__ { TABLE_mka_summary <ifname> <status> <cipher> <keyserver> <policy> <keychain> <fallback_keychain> }]
- NEW: show macsec mka [summary] [__readonly__ [<macsec_status>] [TABLE_mka_summary <ifname> <status> <cipher> <keyserver> <policy> <keychain> <fallback_keychain>]]
- OLD: show macsec mka session [interface <ifname>] [details] [__readonly__ [TABLE_mka_session <ifname> <sci> <peers> <status> <keyserver><ca_auth_mode>] [<sessions> <active_sessions> <pending_sessions>] [TABLE_mka_session_details <ifname> <status> <sci> <ssci> <port_id> <ckn> <ca_auth_mode> <mi> <mn> <policy> <ks_prio> <keyserver> <cipher> <cipher_operational> <window> <conf_offset> <conf_offset_operational> <sak_status> <sak_an> <sak_ki> <sak_kn> <last_sak_rekey_time> <peer_count> [TABLE_mka_peer_status <peer_mi> <rxsci> <icv_status> <last_rx_time>] [TABLE_mka_fallback <fallback_ckn> <fallback_mi> <fallback_mn> [TABLE_mka_fallback_peer <fallback_peer_mi> <fallback_rxsci> <fallback_icv_status> <fallback_last_rx_time>]]]]
- NEW: show macsec mka session [interface <ifname>] [details] [__readonly__ [<macsec_status>] [TABLE_mka_session <ifname> <sci> <peers> <status> <keyserver><ca_auth_mode>] [<sessions> <active_sessions> <pending_sessions>] [TABLE_mka_session_details <ifname> <status> <sci> <ssci> <port_id> <ckn> <ca_auth_mode> <mi> <mn> <policy> <ks_prio> <keyserver> <include_icv_indicator> <cipher> <cipher_operational> <window> <conf_offset> <conf_offset_operational> <sak_status> <sak_an> <sak_ki> <sak_kn> <last_sak_rekey_time> <peer_count> <mac_addr> <ether_type> [TABLE_mka_peer_status <peer_mi> <rxsci> <icv_status> <last_rx_time>] [TABLE_mka_fallback <fallback_ckn> <fallback_mi> <fallback_mn> [TABLE_mka_fallback_peer <fallback_peer_mi> <fallback_rxsci> <fallback_icv_status> <fallback_last_rx_time>]]]]
- OLD: show macsec mka statistics [interface <ifname>] [__readonly__ [TABLE_mka_intf_stats [[<ifname2>] [TABLE_ca_stats [[<ca_stat_ckn>] [<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>]]] [TABLE_idb_stats [[<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<idb_stat_mkpdu_tx_success>] [<idb_stat_mkpdu_tx_fail>] [<idb_stat_mkpdu_tx_pkt_build_fail>] [<idb_stat_mkpdu_no_tx_on_intf_down>] [<idb_stat_mkpdu_no_rx_on_intf_down>] [<idb_stat_mkpdu_rx_ca_notfound>] [<idb_stat_mkpdu_rx_error>] [<idb_stat_mkpdu_rx_success>] [<idb_stat_mkpdu_failure_rx_integrity_check_error>] [<idb_stat_mkpdu_failure_invalid_peer_mn_error>] [<idb_stat_mkpdu_failure_nonrecent_peerlist_mn_error>] [<idb_stat_mkpdu_failure_sakuse_kn_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_rx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_key_mi_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_an_not_in_use_error>] [<idb_stat_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_eapol_ethertype_mismatch_error>] [<idb_stat_sak_failure_sak_generate_error>] [<idb_stat_sak_failure_hash_generate_error>] [<idb_stat_sak_failure_sak_encryption_error>] [<idb_stat_sak_failure_sak_decryption_error>] [<idb_stat_sak_failure_ick_derivation_error>] [<idb_stat_sak_failure_kek_derivation_error>] [<idb_stat_sak_failure_invalid_macsec_capability_error>] [<idb_stat_macsec_failure_rx_sa_create_error>] [<idb_stat_macsec_failure_tx_sa_create_error>]]]] [TABLE_mka_gbl_stats [[<session_secured>] [<session_deleted>] [<session_keepalive_timeout>] [<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>

] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mka_error_session_failure_bring_up_error>] [<mka_error_sak_failure_sak_generate_error>] [<mka_error_sak_failure_hash_generate_error>] [<mka_error_sak_failure_sak_encryption_error>] [<mka_error_sak_failure_sak_decryption_error>] [<mka_error_sak_failure_sak_cipher_mismatch_error>] [<mka_error_ca_failure_ick_derivation_error>] [<mka_error_ca_failure_kek_derivation_error>] [<mka_error_ca_failure_invalid_macsec_capability_error>] [<mka_error_macsec_failure_rx_sa_create_error>] [<mka_error_macsec_failure_tx_sa_create_error>] [<mka_error_mkpdu_failure_mkpdu_tx_error>] [<mka_error_mkpdu_failure_mkpdu_rx_integrity_check_error>] [<mka_error_mkpdu_failure_mkpdu_invalid_peer_mn_error>] [<mka_error_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_error>] [<mka_error_mkpdu_failure_sakuse_kn_mismatch_error>] [<mka_error_mkpdu_failure_sakuse_rx_not_set_error>] [<mka_error_mkpdu_failure_sakuse_key_mi_mismatch_error>] [<mka_error_mkpdu_failure_sakuse_an_not_in_use_error>] [<mka_error_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<global_stats_mkpdu_rx_invalid_ckn>] [<global_stats_mkpdu_tx_pkt_build_fail>]]]]]

- NEW: show macsec mka statistics [interface <ifname>] [__readonly__ [<macsec_status>] [TABLE_mka_intf_stats [[<ifname2>] [TABLE_ca_stats [[<ca_stat_ckn>] [<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>]]] [TABLE_idb_stats [[<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<idb_stat_mkpdu_tx_success>] [<idb_stat_mkpdu_tx_fail>] [<idb_stat_mkpdu_tx_pkt_build_fail>] [<idb_stat_mkpdu_no_tx_on_intf_down>] [<idb_stat_mkpdu_no_rx_on_intf_down>] [<idb_stat_mkpdu_rx_ca_notfound>] [<idb_stat_mkpdu_rx_error>] [<idb_stat_mkpdu_rx_success>] [<idb_stat_mkpdu_failure_rx_integrity_check_error>] [<idb_stat_mkpdu_failure_invalid_peer_mn_error>] [<idb_stat_mkpdu_failure_nonrecent_peerlist_mn_error>] [<idb_stat_mkpdu_failure_sakuse_kn_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_rx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_key_mi_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_an_not_in_use_error>] [<idb_stat_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<idb_stat_mkpdu_failure_sakuse_eapol_ethertype_mismatch_error>] [<idb_stat_mkpdu_failure_sakuse_eapol_destmac_mismatch_error>] [<idb_stat_sak_failure_sak_generate_error>] [<idb_stat_sak_failure_hash_generate_error>] [<idb_stat_sak_failure_sak_encryption_error>] [<idb_stat_sak_failure_sak_decryption_error>] [<idb_stat_sak_failure_ick_derivation_error>] [<idb_stat_sak_failure_kek_derivation_error>] [<idb_stat_sak_failure_invalid_macsec_capability_error>] [<idb_stat_macsec_failure_rx_sa_create_error>] [<idb_stat_macsec_failure_tx_sa_create_error>]]]] [TABLE_mka_gbl_stats [[<session_secured>] [<session_deleted>] [<session_keepalive_timeout>] [<ca_stat_pairwise_cak_rekey>] [<sa_stat_sak_generated>] [<sa_stat_sak_rekey>] [<sa_stat_sak_received>] [<sa_stat_sak_response_rx>] [<mkpdu_stat_mkpdu_rx>] [<mkpdu_stat_mkpdu_rx_distsak>] [<mkpdu_stat_mkpdu_tx>] [<mkpdu_stat_mkpdu_tx_distsak>] [<mka_error_session_failure_bring_up_error>] [<mka_error_sak_failure_sak_generate_error>] [<mka_error_sak_failure_hash_generate_error>] [<mka_error_sak_failure_sak_encryption_error>] [<mka_error_sak_failure_sak_decryption_error>] [<mka_error_sak_failure_sak_cipher_mismatch_error>] [<mka_error_ca_failure_ick_derivation_error>

] [<mka_error_ca_failure_kek_derivation_error>] [
<mka_error_ca_failure_invalid_macsec_capability_error>] [
<mka_error_macsec_failure_rx_sa_create_error>] [<mka_error_macsec_failure_tx_sa_create_error>
] [<mka_error_mkpdu_failure_mkpdu_tx_error>] [
<mka_error_mkpdu_failure_mkpdu_rx_integrity_check_error>] [
<mka_error_mkpdu_failure_mkpdu_invalid_peer_mn_error>] [
<mka_error_mkpdu_failure_mkpdu_nonrecent_peerlist_mn_error>] [
<mka_error_mkpdu_failure_sakuse_kn_mismatch_error>] [
<mka_error_mkpdu_failure_sakuse_rx_not_set_error>] [
<mka_error_mkpdu_failure_sakuse_key_mi_mismatch_error>] [
<mka_error_mkpdu_failure_sakuse_an_not_in_use_error>] [
<mka_error_mkpdu_failure_sakuse_ks_rx_tx_not_set_error>] [<global_stats_mkpdu_rx_invalid_ckn>
] [<global_stats_mkpdu_tx_pkt_build_fail>]]]]]

- OLD: show macsec policy [<policy_name>] [__readonly__ { TABLE_macsec_policy <name>
<cipher_suite> <keyserver_priority> <window_size> <conf_offset> <security_policy> <sak-expiry-time>
}]

- NEW: show macsec policy [<policy_name>] [__readonly__ { TABLE_macsec_policy <name>
<cipher_suite> <keyserver_priority> <window_size> <conf_offset> <security_policy> <sak-expiry-time>
<include_icv_indicator> }]

- OLD: show macsec secy statistics [interface <ifname>] [__readonly__ TABLE_statistics <ifname2>
[<in_pkts_unicast_uncontrolled>] [<in_pkts_multicast_uncontrolled>] [
<in_pkts_broadcast_uncontrolled>] [<in_rx_drop_pkts_uncontrolled>] [<in_rx_err_pkts_uncontrolled>
] [<in_pkts_unicast_controlled>] [<in_pkts_multicast_controlled>] [<in_pkts_broadcast_controlled>
] [<in_rx_drop_pkts_controlled>] [<in_rx_err_pkts_controlled>] [<in_octets_uncontrolled>] [
<in_octets_controlled>] [<input_rate_uncontrolled_pps>] [<input_rate_uncontrolled_bps>] [
<input_rate_controlled_pps>] [<input_rate_controlled_bps>] [<out_pkts_unicast_uncontrolled>] [
<out_pkts_multicast_uncontrolled>] [<out_pkts_broadcast_uncontrolled>] [
<out_rx_drop_pkts_uncontrolled>] [<out_rx_err_pkts_uncontrolled>] [<out_pkts_unicast_controlled>
] [<out_pkts_multicast_controlled>] [<out_pkts_broadcast_controlled>] [
<out_rx_drop_pkts_controlled>] [<out_rx_err_pkts_controlled>] [<out_octets_uncontrolled>] [
<out_octets_controlled>] [<out_octets_common>] [<output_rate_uncontrolled_pps>] [
<output_rate_uncontrolled_bps>] [<output_rate_controlled_pps>] [<output_rate_controlled_bps>] [
<in_pkts_transform_error>] [<in_pkts_control>] [<in_pkts_untagged>] [<in_pkts_no_tag>] [
<in_pkts_badtag>] [<in_pkts_no_sci>] [<in_pkts_unknown_sci>] [<in_pkts_tagged_ctrl>] [
<out_pkts_transform_error>] [<out_pkts_control>] [<out_pkts_untagged>] [TABLE_rx_sa_an
<rx_sa_an> [<in_pkts_unchecked>] [<in_pkts_delayed>] [<in_pkts_late>] [<in_pkts_ok>] [
<in_pkts_invalid>] [<in_pkts_not_valid>] [<in_pkts_not_using_sa>] [<in_pkts_unused_sa>] [
<in_octets_decrypted>] [<in_octets_validated>]] [TABLE_tx_sa_an <tx_sa_an> [
<out_pkts_encrypted_protected>] [<out_pkts_too_long>] [<out_pkts_sa_not_inuse>] [
<out_octets_encrypted_protected>]]]

- NEW: show macsec secy statistics [interface <ifname>] [__readonly__ [<macsec_status>] [
TABLE_statistics <ifname2> [<in_pkts_unicast_uncontrolled>] [<in_pkts_multicast_uncontrolled>]
[<in_pkts_broadcast_uncontrolled>] [<in_rx_drop_pkts_uncontrolled>] [<in_rx_err_pkts_uncontrolled>
] [<in_pkts_unicast_controlled>] [<in_pkts_multicast_controlled>] [<in_pkts_broadcast_controlled>
] [<in_pkts_controlled>] [<in_rx_drop_pkts_controlled>] [<in_rx_err_pkts_controlled>] [
<in_octets_uncontrolled>] [<in_octets_controlled>] [<input_rate_uncontrolled_pps>] [
<input_rate_uncontrolled_bps>] [<input_rate_controlled_pps>] [<input_rate_controlled_bps>] [
<out_pkts_unicast_uncontrolled>] [<out_pkts_multicast_uncontrolled>] [

<out_pkts_broadcast_uncontrolled>] [<out_rx_drop_pkts_uncontrolled>] [<out_rx_err_pkts_uncontrolled>] [<out_pkts_unicast_controlled>] [<out_pkts_multicast_controlled>] [<out_pkts_broadcast_controlled>] [<out_pkts_controlled>] [<out_rx_drop_pkts_controlled>] [<out_rx_err_pkts_controlled>] [<out_octets_uncontrolled>] [<out_octets_controlled>] [<out_octets_common>] [<output_rate_uncontrolled_pps>] [<output_rate_uncontrolled_bps>] [<output_rate_controlled_pps>] [<output_rate_controlled_bps>] [<in_pkts_transform_error>] [<in_pkts_control>] [<in_pkts_untagged>] [<in_pkts_no_tag>] [<in_pkts_badtag>] [<in_pkts_no_sci>] [<in_pkts_unknown_sci>] [<in_pkts_tagged_ctrl>] [<out_pkts_transform_error>] [<out_pkts_control>] [<out_pkts_untagged>] [TABLE_rx_sa_an <rx_sa_an> [<in_pkts_unchecked>] [<in_pkts_delayed>] [<in_pkts_late>] [<in_pkts_ok>] [<in_pkts_invalid>] [<in_pkts_not_valid>] [<in_pkts_not_using_sa>] [<in_pkts_unused_sa>] [<in_octets_decrypted>] [<in_octets_validated>]] [TABLE_tx_sa_an <tx_sa_an> [<out_pkts_encrypted_protected>] [<out_pkts_too_long>] [<out_pkts_sa_not_inuse>] [<out_octets_encrypted_protected>]]]]

- OLD: show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle> | all } } } } [__readonly__ [TABLE_statistics { <sender-handle> <connect-check-id> <last-clear-stats> { <stat-attr> <stat-value> } + } +] [TABLE_status { <st-sender-handle> <type> <state> } +] [TABLE_statistics_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> }]]
- NEW: show ngoam loopback { { statistics { session { <handle> | all } | summary } } | { status { session { <handle> | all } } } } [__readonly__ [TABLE_statistics { <sender-handle> <connect-check-id> <last-clear-stats> TABLE_stats_attr { <stat-attr> <stat-value> } }] [TABLE_status { <st-sender-handle> <type> <state> }] [TABLE_statistics_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> }]]
- OLD: show ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database session { <handle> | all } [detail] } } [__readonly__ [TABLE_stats { <sender-handle> <last-clear-stats> { <stat-attr> <stat-value> } + } +] [TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> }] [TABLE_database { <db-sender-handle> <db-start-time> <db-end-time> <db-last-clear-stats> <db-tx> <db-rx> <db-timeout> <db-unsent> <db-req-sw-fwd> <db-req-drop> <db-resp-tx> <db-resp-rx> <db-resp-unsent> <db-resp-dup> <db-resp-sw-fwd> <db-resp-drop> { <seq-number> <cli-status> [<reply-ip>] [<reply-ipv6>] [<ingress-if>] [<ingress-if-state>] [<egress-if>] [<egress-if-state>] [<end-row>] + } + } +] [TABLE_ifstats { <if-name> <rx-len> <rx-bytes> <rx-pkt-rate> <rx-byte-rate> <rx-load> <rx-ucast> <rx-mcast> <rx-bcast> <rx-errors> <rx-discards> <rx-unknown> <rx-bandwidth> <tx-len> <tx-bytes> <tx-pkt-rate> <tx-byte-rate> <tx-load> <tx-ucast> <tx-mcast> <tx-bcast> <tx-discards> <tx-errors> <tx-bandwidth> }]]
- NEW: show ngoam pathtrace { { statistics { summary | { session { <handle> | all } } } } | { database session { <handle> | all } [detail] } } [__readonly__ [{ TABLE_stats <sender-handle> <last-clear-stats> [TABLE_stats_fields { <stat-attr> <stat-value> }] }] [{ TABLE_summary <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <req-sw-fwd> <req-drop> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> <resp-sw-fwd> <resp-drop> }] [{ TABLE_database <db-sender-handle> <db-start-time> <db-end-time> <db-last-clear-stats> <db-tx> <db-rx> <db-timeout> <db-unsent> <db-req-sw-fwd> <db-req-drop> <db-resp-tx> <db-resp-rx> <db-resp-unsent> <db-resp-dup> <db-resp-sw-fwd> <db-resp-drop> { TABLE_db_reply <seq-number> <cli-status> [<reply-ip>] [<reply-ipv6>] [<ingress-if>] [<ingress-if-state>] [<egress-if>] [<egress-if-state>] [{ TABLE_ifstats <if-name> <rx-len> <rx-bytes> <rx-pkt-rate> <rx-byte-rate> <rx-load> <rx-ucast> <rx-mcast> <rx-bcast> <rx-discards> <rx-errors>

<rx-unknown> <rx-bandwidth> <tx-len> <tx-bytes> <tx-pkt-rate> <tx-byte-rate> <tx-load> <tx-ucast> <tx-mcast> <tx-bcast> <tx-discards> <tx-errors> <tx-bandwidth> }] [<end-row>] + } }]]

- OLD: show ngoam traceroute statistics { summary | { session { <handle> | all } } } [__readonly__ [TABLE_stats { <sender-handle> <last-clear-stats> { <stat-attr> <stat-value> } + } +] [TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> }]]
- NEW: show ngoam traceroute statistics { summary | { session { <handle> | all } } } [__readonly__ [TABLE_stats { <sender-handle> <last-clear-stats> TABLE_stats_attr { <stat-attr> <stat-value> } }] [TABLE_summary { <last-clear-summary-stats> <tx> <rx> <timeout> <unsent> <resp-tx> <resp-rx> <resp-unsent> <resp-dup> }]]
- OLD: show nxapi [__readonly__ <nxapi_status> [configuration_error <c_error>] [<http_port>] [<https_port>]]
- NEW: show nxapi [__readonly__ <nxapi_status> [configuration_error <c_error>] [<http_port>] [<https_port> <ssl_issuer> <ssl_enddate>]]
- OLD: show otv isis [<otv-isis-tag>] [site] database [mgroup] [detail | advertise | summary] [<lid>] { [zero-sequence] | [adjacency <adj-id>] } [vpn { <vrf-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [<dbase-hname-absent-out>] [{ TABLE_process_lvl <dbase-level-out> [{ TABLE_process_lsp <dbase-lsp-name-out> <dbase-lsp-status-out> <dbase-lsp-absent-out> [{ <dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> [<dbase-lsp-lifetime-str-out>] [<dbase-lsp-lifetime-out>] <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out> }] [{ <dbase-lsp-instance-out> [{ TABLE_process_tlv <dbase-lsp-tlv-name-out> [<dbase-lsp-area-addr-out>] [<dbase-lsp-is-nbr-name-out>] [<dbase-lsp-is-nbr-metric-out>] [<dbase-lsp-is-nbr-ext-metric-out>] [<dbase-lsp-es-nbr-name-out>] [<dbase-lsp-es-nbr-metric-out>] [<dbase-lsp-es-nbr-ext-metric-out>] [<dbase-lsp-auth-type-out>] [<dbase-lsp-auth-len-out>] [<dbase-lsp-ext-is-name-out>] [<dbase-lsp-ext-is-metric-out>] [<dbase-lsp-ip-ri-addr-out>] [<dbase-lsp-ip-ri-mask-out>] [<dbase-lsp-ip-ri-metric-out>] [<dbase-lsp-ip-ri-ext-metric-out>] [<dbase-lsp-ip-ri-up-down-out>] [{ TABLE_process_nlpid <dbase-lsp-prot-support-out> }] [<dbase-lsp-ip-addr-out>] [<dbase-lsp-ipv6-addr-out>] [{ TABLE_process_extip <dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out> <dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out> }] [<dbase-lsp-hname-out>] [<dbase-lsp-hname-len-out>] [{ TABLE_process_extipv6 <dbase-lsp-extipv6-addr-out> <dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out> <dbase-lsp-extipv6-up-down-out> <dbase-lsp-extipv6-ext-origin-out> }] [<dbase-lsp-tlv-len-out>] [<dbase-lsp-tlv-unknown-out>] [{ TABLE_process_subtlv <dbase-lsp-subtlv-name-out> [<dbase-lsp-extis-admin-group-out>] [<dbase-lsp-subtlv-ip-addr-out>] [<dbase-lsp-extis-bw-out>] [<dbase-lsp-extis-pri1-out>] [<dbase-lsp-extis-pri1-val-out>] [<dbase-lsp-extis-pri2-out>] [<dbase-lsp-extis-pri2-val-out>] [<dbase-lsp-extis-te-metric-out>] [<dbase-lsp-subtlv-len-out>] [<dbase-lsp-subtlv-unknown-out>] }] }] <dbase-lsp-digest-out> }] }] [{ <dbase-lsp-total-out> [{ <dbase-lsp-empty-out> <dbase-lsp-zeroseq-out> }] }] }] } }]
- NEW: show otv isis [<otv-isis-tag>] [site] database [mgroup] [detail | advertise | summary] [<lid>] { [zero-sequence] | [adjacency <adj-id>] } [vpn { <vrf-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> [<dbase-hname-absent-out>] [{ TABLE_process_lvl <dbase-level-out> [{ TABLE_process_lsp <dbase-lsp-name-out> <dbase-lsp-status-out> <dbase-lsp-absent-out> [{ <dbase-lsp-seqnum-out> <dbase-lsp-cksum-out> [<dbase-lsp-lifetime-str-out>] [<dbase-lsp-lifetime-out>] <dbase-att-out> <dbase-partition-out> <dbase-overload-out> <dbase-istype-out> }] [{ <dbase-lsp-instance-out> [{ TABLE_process_tlv

<dbase-lsp-tlv-name-out> [<dbase-lsp-area-addr-out>] [<dbase-lsp-is-nbr-name-out>] [<dbase-lsp-is-nbr-metric-out>] [<dbase-lsp-is-nbr-ext-metric-out>] [<dbase-lsp-es-nbr-name-out>] [<dbase-lsp-es-nbr-metric-out>] [<dbase-lsp-es-nbr-ext-metric-out>] [<dbase-lsp-auth-type-out>] [<dbase-lsp-auth-len-out>] [<dbase-lsp-ext-is-name-out>] [<dbase-lsp-ext-is-metric-out>] [<dbase-lsp-ip-ri-addr-out>] [<dbase-lsp-ip-ri-mask-out>] [<dbase-lsp-ip-ri-metric-out>] [<dbase-lsp-ip-ri-ext-metric-out>] [<dbase-lsp-ip-ri-up-down-out>] [{ TABLE_process_nlpid <dbase-lsp-prot-support-out> }] [<dbase-lsp-ip-addr-out>] [<dbase-lsp-ipv6-addr-out>] [{ TABLE_process_extip <dbase-lsp-extip-addr-out> <dbase-lsp-extip-prefix-len-out> <dbase-lsp-extip-metric-out> <dbase-lsp-extip-up-down-out> }] [<dbase-lsp-hname-out>] [<dbase-lsp-hname-len-out>] [{ TABLE_process_extipv6 <dbase-lsp-extipv6-addr-out> <dbase-lsp-extipv6-prefix-len-out> <dbase-lsp-extipv6-metric-out> <dbase-lsp-extipv6-up-down-out> <dbase-lsp-extipv6-ext-origin-out> }] [<dbase-lsp-tlv-len-out>] [<dbase-lsp-tlv-unknown-out>] [{ TABLE_process_subtlv <dbase-lsp-subtlv-name-out> [<dbase-lsp-extis-admin-group-out>] [<dbase-lsp-subtlv-ip-addr-out>] [<dbase-lsp-extis-bw-out>] [<dbase-lsp-extis-pri1-out>] [<dbase-lsp-extis-pri1-val-out>] [<dbase-lsp-extis-pri2-out>] [<dbase-lsp-extis-pri2-val-out>] [<dbase-lsp-extis-te-metric-out>] [<dbase-lsp-ext-ipv4-pfxsid> <dbase-lsp-ext-ipv4-pfxsid-flag>] [<dbase-lsp-ext-ipv6-pfxsid> <dbase-lsp-ext-ipv6-pfxsid-flag>] [<dbase-lsp-subtlv-len-out>] [<dbase-lsp-subtlv-unknown-out>] }] }] <dbase-lsp-digest-out> }] }] [{ <dbase-lsp-total-out> [{ <dbase-lsp-empty-out> <dbase-lsp-zeroseq-out> }] }] }] } }]

- OLD: show otv isis [<otv-isis-tag>] ip redistribute mroute [vlan <vlan-id> [group <gip-addr> [source <sip-addr>]]] [summary] [vpn { <vrf-name> | all }] [__readonly__ <tag-out> TABLE_process_tag <process-tag-out> <redist-ipv4-mrouter-vlanid-out> <redist-ipv4-vlanid-out> <redist-ipv4-source-addr-out> <redist-ipv4-group-addr-out>]
- NEW: show otv isis [<otv-isis-tag>] ip redistribute mroute [vlan <vlan-id> [group <gip-addr> [source <sip-addr>]]] [summary] [vpn { <vrf-name> | all }] [__readonly__ TABLE_process_tag <process-tag-out> <af-string-out> <vrf-name-out> [TABLE_mrouter <redist-ipv4-vlan> [<redist-ipv4-mrouter-vlanid-out>] [<redist-ipv4-vlanid-out>] [<redist-ipv4-source-addr-out>] [<redist-ipv4-group-addr-out>] [<redist-ipv4-as-lsp>] [<redist-ipv4-recv-lsp>] [<redist-ipv4-mroute-vlan-id>] [<redist-ipv4-mroute-src-addr>] [<redist-ipv4-mroute-grp-addr>]] [TABLE_summary <redist-ipv4-vlan> <redist-ipv4-group> <redist-ipv4-src-count>]]
- OLD: show policy-map type network-qos [<pmap-name-nq>] [__readonly__ { [<display-all>] [TABLE_xpmap <xpmap-name> [<desc>] [TABLE_xcmap <xcmap-name> [TABLE_action <action-key> [<pause> <timeout> <size-in-bytes> <xoff-bytes> <xon-bytes>] [<pfc-cos-list>] [<pfc_rx_only>] [<cc>] [<thresh-units>] [<min-thresh>] [<max-thresh>] [<drop-prob>] [<iod>] [<mtu>] [<set-cos>] [<dpp>] [<dctcp-threshold>] [<queue-limit>]]]] }]
- NEW: show policy-map type network-qos [<pmap-name-nq>] [__readonly__ { [<display-all>] [TABLE_xpmap <xpmap-name> [<desc>] [TABLE_xcmap <xcmap-name> [TABLE_action <action-key> [<cos-list>] [<qos-group-list>] [<protocol>] [<pause> <timeout> <size-in-bytes> <xoff-bytes> <xon-bytes>] [<pfc-cos-list>] [<pfc_rx_only>] [<cc>] [<thresh-units>] [<min-thresh>] [<max-thresh>] [<drop-prob>] [<iod>] [<mtu>] [<set-cos>] [<dpp>] [<dctcp-threshold>] [<queue-limit>]]]] }]
- OLD: show port-profile sync-status [interface <intfname>] [__readonly__ <intf> + <status> + [<inherit>] [<sync_status>] [<cached_cmds>] [<errors>] [<recovery>]]
- NEW: show port-profile sync-status [interface <intfname>] [__readonly__ <intf> + [<inherit>] <status> + [<sync_status>] [<cached_cmds>] [<errors>] [<recovery>]]

- OLD: show port-security address interface <interface-id> [__readonly__ { TABLE_eth_port_sec_mac_addrs <vlan_id> <mac_addr> <type> <if_index> <remain_age> <remote_learnt> <remote_aged> <num_elems> } <total_addr> <max_sys_limit> <first>]
- NEW: show port-security address interface <interface-id> [__readonly__ { TABLE_eth_port_sec_mac_addrs <vlan_id> <mac_addr> <type> <if_index> <remain_age> <remote_learnt> <remote_aged> <num_elems> <cmd_addr_index> } <total_addr> <max_sys_limit> <first>]
- OLD: show ptp clock [__readonly__ <clock-id> <domain-id> <num-ports> <priority1> <priority2> <class> <accuracy> <scaled-log-variance> <offset-from-master> <mean-path-delay-to-master> <steps-removed> <device-type> <encap> <two-step-clock> <src-ip> <slave-only> [<correction-threshold>] [<mean-path-delay-threshold>] [<gmTimeBaseIndicator>] [<last_gm_phase_change>] [<master_cum_scaled_rate_offset>] [<scaled_last_gm_freq_change>] [<cum_scaled_rate_offset>] <local-clock-time> <bs-status>]
- NEW: show ptp clock [__readonly__ <clock-id> <domain-id> <num-ports> <priority1> <priority2> <class> <accuracy> <scaled-log-variance> <offset-from-master> <mean-path-delay-to-master> <steps-removed> <device-type> <encap> <slave-clock-oper> <master-clock-oper> <src-ip> <slave-only> [<correction-threshold>] [<mean-path-delay-threshold>] [<gmTimeBaseIndicator>] [<last_gm_phase_change>] [<master_cum_scaled_rate_offset>] [<scaled_last_gm_freq_change>] [<cum_scaled_rate_offset>] <local-clock-time> <bs-status>]
- OLD: show ptp delay summary [__readonly__ { TABLE_ptp <intf-name-port> <device-type> <state> <link-delay> } <ptp-end> <gptp-not-supported>]
- NEW: show ptp delay summary [__readonly__ [TABLE_ptp <intf-name-port> <device-type> <state> <link-delay>] [<ptp-end>] [<gptp-not-supported>]]
- OLD: show ptp domain data [__readonly__ [TABLE_ptp <multidom_cap> <gm_cap> <gm_convergence_time> <def_dom> <transition_priority1> <transition_priority2> { TABLE_ptp_domain <domain_number> <domain_priority> <ptp_clock_class_threshold> <ptp_clock_accuracy_threshold> <ptp-ifindex> }] <ptp-end>]
- NEW: show ptp domain data [__readonly__ [TABLE_ptp <multidom_cap> <gm_cap> <gm_convergence_time> <def_dom> <transition_priority1> <transition_priority2> [TABLE_ptp_domain <domain_number> <domain_priority> <ptp_clock_class_threshold> <ptp_clock_accuracy_threshold> <ptp-ifindex>]] <ptp-end>]
- OLD: show ptp port interface <if0> [__readonly__ <intf-name> <clock-id> <port-num> <version> <transport-mode> <accepted-ip> <state> <vlan> <delay-req-intv> <ann-rx-tout> <peer-mean-path-delay> <ann-intv> <sync-intv> <delay-mechanism> <peer-delay-req-intv> <device-type> <encap> [<prop-delay-thresh>] [<neighbor-rate-ratio>] <cost> <int-domain-id>]
- NEW: show ptp port interface <if0> [__readonly__ <intf-name> <clock-id> <port-num> <version> [<transport-mode>] [<accepted-ip>] <state> <vlan> <delay-req-intv> <ann-rx-tout> <peer-mean-path-delay> <ann-intv> <sync-intv> <delay-mechanism> [<peer-delay-req-intv>] [<device-type>] [<encap>] [<prop-delay-thresh>] [<neighbor-rate-ratio>] <cost> <int-domain-id>]
- OLD: show queuing pfc-queue [interface <if_list>] [module <module>] [detail] [__readonly__ <glb-wd-status> <glb-wd-timer> <glb-wd-timer-thresh> <glb-auto-restore> <glb-fixed-restore> <glb-int-intf-multi> <disable-action> <intf-multi> [TABLE_queuing_interface <if_name_str> [

TABLE_qosgrp_stats <eq-qosgrp> [TABLE_qosgrp_stats_entry <q-stat-type> <q-shutdown> <q-restored> <q-pkt-drained> <q-pkt-dropped> <q-pkt-drained-n-dropped> <q-aggr-pkt-dropped> <q-ing-pkt-dropped> <q-ing-aggr-pkt-dropped>]] [TABLE_qosgrp_stats_summary <qosgrp-summary>]]]

- NEW: show queuing pfc-queue [interface <if_list>] [module <module>] [detail] [__readonly__ <glb-wd-status> <glb-wd-force-status> <glb-wd-timer> <glb-wd-timer-thresh> <glb-auto-restore> <glb-fixed-restore> <glb-int-intf-multi> <disable-action> <intf-multi> [TABLE_queuing_interface <if_name_str> [TABLE_qosgrp_stats <eq-qosgrp> [TABLE_qosgrp_stats_entry <q-stat-type> <q-shutdown> <q-restored> <q-pkt-drained> <q-pkt-dropped> <q-pkt-drained-n-dropped> <q-aggr-pkt-dropped> <q-ing-pkt-dropped> <q-ing-aggr-pkt-dropped>]] [TABLE_qosgrp_stats_summary <qosgrp-summary>]]]

- OLD: show routing [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | detail] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [<ipnexthop>] [<ifname>] [<bindlbl>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>] [<ubest>] [<mbest>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]

- NEW: show routing [ip | ipv4] [unicast] [topology <topology-name>] [l3vm-info] [rpf] [<ip-addr> | { <ip-prefix> [{ longer-prefixes | shorter-prefixes }] }] [{ <protocol> [all] } | { bind-label <bind-lbl> | next-hop <next-hop> | next-hop-v6 <next-hop-v6> } | { interface <interface> } | { updated { [since <stime>] [until <utime>] } }] + [summary | detail] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> [TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path [<ipnexthop>] [<ifname>] [<bindlbl>] <uptime> <pref> <metric> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>] [<bgpbackuppath>] [<ubest>] [<mbest>]] [TABLE_summary <routes> <paths> [<multicast_paths>] [TABLE_unicast [<clientnameuni>] [<best-paths>] [<backup-paths>]] [TABLE_multicast [<clientnamemulti>] [<best-paths>] [<backup-paths>]] [TABLE_route_count [<mask_len>] [<count>]]]]

- OLD: show routing [ip | ipv4] multicast sr [vrf { <vrf-name> | <vrf-known-name> | all }]

- NEW: show routing [ip | ipv4] multicast sr [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_vrf <vrf-name> <mode> <mac-rewrite> [TABLE_route <interface> <in-group-range> <to-group-range> <group-mask> <in-source-range> <to-source-range> <source-mask>]]]

- OLD: show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] hash <source> <dest> [ip-proto <ip-proto>] [<src-port> <dest-port>] [in-interface <in-interface>] [module <module-id>] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> TABLE_hashpath <mcast> <hashpath> <hash-val> TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path <ubest> <mbest> <ipnexthop> <ifname> <pref> <metric> <uptime> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>]]

- NEW: show routing [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [ip | ipv4] [unicast] [topology <topology-name>] hash <source> <dest> [ip-proto <ip-proto>] { { [gtpu-teid <gtpu-teid>]

} | { [<src-port> <dest-port>] } } [in-interface <in-interface>] [module <module-id>] [vrf { <vrf-name> | <vrf-known-name> | <vrf-all> }] [__readonly__ TABLE_vrf <vrf-name-out> TABLE_addrf <addrf> TABLE_hashpath <mcast> <hashpath> <hash-val> TABLE_prefix <ipprefix> <ucast-nhops> <mcast-nhops> <attached> TABLE_path <ubest> <mbest> <ipnexthop> <ifname> <pref> <metric> <uptime> <clientname> [<type>] [<tag>] [<stale>] [<unres>] [<hidden>] [<stale-label>]]

- OLD: show sockets connection [pid <pid> | tcp | udp | raw] [local { <srcIP> | <srcIP6> }] [foreign { <dstIP> | <dstIP6> }] [detail] [keydetails] [__readonly__ [{ TABLE_sockets <protocol> [<total-conn-count>] [{ TABLE_conn <afi> <prot> [<tcp-state>] [<rcv-count>] [<laddr>] [<lport>] [<faddr>] [<fport>] [<intf>] [<vrf-name>] [<snd-count>] [<type>] [<ttl>] [<tos>] [<options>] [<state>] [<iss>] [<snd-una>] [<snd-nxt>] [<snd_wnd>] [<irs>] [<rcv-nxt>] [<rcv-wnd>] [<snd-cwnd>] [<srtt>] [<rtt>] [<rttvar>] [<krtt>] [<rttmin>] [<mss>] [<dur>] [<flags>] [<md5-cnt>] [<md5-host>] [<md5-err>] [<rcv-hiwat>] [<rcv-lowat>] [<rcv-flags>] [<snd-hiwat>] [<snd-lowat>] [<snd-flags>] [<tcp-count>] [<udp-count>] [<raw-count>] }] }]]
- NEW: show sockets connection [pid <pid> | tcp | udp | raw] [local { <srcIP> | <srcIP6> }] [foreign { <dstIP> | <dstIP6> }] [detail] [keydetails] [__readonly__ [{ TABLE_sockets <protocol> [<total-conn-count>] [{ TABLE_conn <afi> [<laddr>] [<lport>] [<faddr>] [<fport>] [<prot>] [<type>] [<ttl>] [<tos>] [<options>] [<state>] [<rcv-count>] [<rcv-hiwat>] [<rcv-lowat>] [<rcv-flags>] [<snd-count>] [<snd-hiwat>] [<snd-lowat>] [<snd-flags>] [<iss>] [<snd-una>] [<snd-nxt>] [<snd_wnd>] [<irs>] [<rcv-nxt>] [<rcv-wnd>] [<snd-cwnd>] [<srtt>] [<rtt>] [<rttvar>] [<krtt>] [<rttmin>] [<mss>] [<dur>] [<tcp-state>] [<flags>] [<md5-cnt>] [<md5-host>] [<md5-err>] [<tcp-count>] [<udp-count>] [<raw-count>] [<vrf-name>] [<intf>] }] }]]
- OLD: show sockets statistics [all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum] [__readonly__ [{ TABLE_stat [<rx-total>] [<rx-bad-csum>] [<rx-bad-offset>] [<rx-too-short>] [<rx-bad-md5>] [<rx-inseq-pack>] [<rx-inseq-bytes>] [<rx-dup-pack>] [<rx-dup-bytes>] [<rx-partdup-pack>] [<rx-partdup-bytes>] [<rx-oo-pack>] [<rx-oo-bytes>] [<rx-afterwin-pack>] [<rx-afterwin-bytes>] [<rx-afterclose-pack>] [<rx-winprobe-pack>] [<rx-winupdate-pack>] [<rx-dupack-pack>] [<rx-dupack-unsent-pack>] [<rx-ack-pack>] [<rx-ack-bytes>] [<rx-rcv-memdrop>] [<rx-dig-mssing>] [<rx-dig-unexpected>] [<rx-dig-notused>] [<rx-dig-valid>] [<rx-dig-invalid>] [<rx-get-passwd-fail>] [<rx-md5-mbuf-exded>] [<rx-uspec-src-recv>] [<rx-pkt-too-short>] [<rx-sin-finest>] [<rx-black-hole-syn>] [<rx-black-hole>] [<rx-drop-no-inpcb>] [<rx-drop-notcpcb>] [<rx-drp-sock-closed>] [<rx-syn-with-rst>] [<rx-syn-drop>] [<rx-bandlim>] [<rx-forged-pkt>] [<rx-drp-mbcast>] [<rx-drp-syn-add>] [<rx-drp-syn-recvd>] [<rx-drp-cc-sent>] [<rx-drp-rst-ccsent>] [<rx-frecv-enqueue>] [<rx-frecv-enqueue-fail>] [<rx-ftcp-cant-rcv-more>] [<rx-ftcp-data-ack-toapp-fail>] [<rx-ftcp-data-ack-toapp>] [<tx-total>] [<tx-urg>] [<tx-ctrl>] [<tx-data-pack>] [<tx-data-bytes>] [<tx-reasm-pack>] [<tx-reasm-bytes>] [<tx-ackonly-pack>] [<tx-winprobe-pack>] [<tx-winupdate-bytes>] [<tx-encrypt>] [<tx-unencrypt>] [<tx-md5rst>] [<tx-conn-init>] [<tx-conn-accepted>] [<tx-conn-estd>] [<closed>] [<dropped>] [<emb-dropped>] [<tx-rxmt-timeout>] [<tx-rxmt-timeout-dropped>] [<tx-ka-timeout>] [<tx-ka-probe>] [<tx-ka-drop>] [<gen-seg-timed>] [<gen-rtt-updated>] [<gen-delack>] [<gen-persist-timeout>] [<gen-paws-drop>] [<gen-predack>] [<gen-preddat>] [<gen-pcb-cachemiss>] [<gen-cache-drtt>] [<gen-cache-drttvar>] [<gen-cached-ssthresh>] [<gen-usedrtt>] [<gen-usedrttvar>] [<gen-usedssthresh>] [<gen-persistdrop>] [<gen-badsyn>] [<gen-mturesent>] [<gen-list-endrop>] [<gen-rpm-bind-synsock>] [<gen-rpm-bindsynadd>] [<gen-rpm-bindlookup>] [<gen-rpm-bindsetsock>] [<gen-rpm-unbind-getpass>] [<gen-rpm-unbinduser1>] [<gen-rpm-unbinduser2>] [<gen-rpm-unbindrollover>] [<gen-rpm-unbind-synfree>] [<gen-rpm-unbind-tpfree>] [<syn-sc-added>] [<syn-retransmitted>] [<syn-dupsyn>] [<syn-dropped>] [<syn-completed>] [<syn-bucket-overflow>] [<syn-cache-overflow>] [<syn-sc-reset>] [<syn-sc-stale>] [<syn-sc-aborted>] [<syn-sc-badack>] [<syn-sc-unreach>] [<syn-sc-zonefail>] [<syn-sc-sendcookie>] [<syn-sc-recvcookie>] [<syn-sc-crosshits>] [<syn-sc-supsyncrosshits>] [<syn-sc-removecrosshits>] [<udp-rx-total>] [

<udp-rx-bad-csum>] [<udp-rx-no-csum>] [<udp-rx-too-short>] [<udp-rx-bad-len>] [<udp-rx-no-port>] [<udp-rx-no-port-bcast>] [<udp-rx-no-port-mcast>] [<udp-rx-full-socket-drop>] [<udp-tx-total>] [<raw-rx-version>] [<raw-rx-rcvd>] [<raw-rx-no-port>] [<raw-rx-full-socket-drop>] [<raw-tx-sent>] [<inpcb-tot-alloc>] [<inpcb-tot-bind>] [<inpcb-tot-laddr>] [<inpcb-tot-connect>] [<inpcb-tot-disconnect>] [<inpcb-tot-detach>] [<inpcb-tot-detach-noinc>] [<inpcb-tot-detach-rort>] [<inpcb-tot-rtfree>] [<inpcb-tot-setsock-addr>] [<inpcb-tot-setpeeraddr>] [<inpcb-tot-notify>] [<inpcb-tot-lookup-npacl-deny>] [<inpcb-tot-lookup-npacl-allow>] [<inpcb-tot-inshash-ipv4>] [<inpcb-tot-inshash-ipv6>] [<inpcb-tot-brehash-ipv4>] [<inpcb-tot-brehash-ipv6>] [<inpcb-tot-bremhash>] [<inpcb-err-allocnomem>] [<inpcb-err-bindeinavl>] [<inpcb-err-eaddrinuse>] [<inpcb-err-eagain>] [<inpcb-err-eagain2>] [<inpcb-err-eaddrnotavail>] [<inpcb-err-eafnosupport>] [<inpcb-err-enomem>] [<inpcb-err-ehostunreach>] [<inpcb-err-laddr-enxio>] [<inpcb-err-laddr-ehostunreach2>] [<inpcb-err-connectladdr>] [<inpcb-err-connect-eaddrinuse>] [<inpcb-err-connbind>] [<inpcb-err-sockaddrenomem>] [<inpcb-err-sockaddreconnreset>] [<inpcb-err-peeraddr-enomem>] [<inpcb-err-econnrest>] [<inpcb-err-respond-enobufs>] [<inpcb-err-binshash-enobufs>] [<in6pcb-tot-setport>] [<in6pcb-tot-bind>] [<in6pcb-tot-laddr>] [<in6pcb-tot-connect>] [<in6pcb-tot-disconnect>] [<in6pcb-tot-detach>] [<in6pcb-tot-sockaddr>] [<in6pcb-tot-peeraddr>] [<in6pcb-tot-notify>] [<in6pcb-tot-lookuplocal>] [<in6pcb-tot-hashnpacl-deny>] [<in6pcb-err-setporteagain>] [<in6pcb-err-setporteagain2>] [<in6pcb-err-seteagain3>] [<in6pcb-bind-eafnosupport>] [<in6pcb-err-bindeaddrinuse>] [<in6pcb-err-bindeaddrinuse2>] [<in6pcb-err-bindeaddrinuse3>] [<in6pcb-err-bindeaddrinuse4>] [<in6pcb-err-bindsetport>] [<in6pcb-err-bindeagain>] [<in6pcb-err-laddr-eafnosupport>] [<in6pcb-err-eaddrnotavail>] [<in6pcb-err-laddr-enomem>] [<in6pcb-err-laddr-ehostreach>] [<in6pcb-err-laddr-ehostunreach2>] [<in6pcb-err-laddr-ehostunreach3>] [<in6pcb-err-laddr-ehostunreach4>] [<in6pcb-err-laddr-enxio>] [<in6pcb-err-connladdr>] [<in6pcb-err-conneaddrinuse>] [<in6pcb-err-connbind>] [<in6pcb-err-sockaddr-enomem>] [<in6pcb-err-v4maps-enomem>] [<in6pcb-err-setsock-noinp>] [<in6pcb-err-setpeer-noinp>] [<in6pcb-err-sockaddr-noinp>] [<in6pcb-err-peeraddr-noinp>] [<in6pcb-err-notify-einavl>] [<in6pcb-err-ctloutput-nosoopt>] }]]

- NEW: show sockets statistics [all | tcp | tcp6 | tcpsum | udp | udp6 | udpsum | raw | raw6 | rawsum] [__readonly__ [{ TABLE_stat [<rx-total>] [<rx-bad-csum>] [<rx-bad-offset>] [<rx-too-short>] [<rx-bad-md5>] [<rx-inseq-pack>] [<rx-inseq-bytes>] [<rx-dup-pack>] [<rx-dup-bytes>] [<rx-partdup-pack>] [<rx-partdup-bytes>] [<rx-oo-pack>] [<rx-oo-bytes>] [<rx-oo-drop-cnt>] [<rx-afterwin-pack>] [<rx-afterwin-bytes>] [<rx-afterclose-pack>] [<rx-winprobe-pack>] [<rx-winupdate-pack>] [<rx-dupack-pack>] [<rx-dupack-unsent-pack>] [<rx-ack-pack>] [<rx-ack-bytes>] [<rx-rcv-memdrop>] [<rx-dig-mssing>] [<rx-dig-unexpected>] [<rx-dig-notused>] [<rx-dig-valid>] [<rx-dig-invalid>] [<rx-get-passwd-fail>] [<rx-md5-mbuf-exded>] [<rx-uspec-src-recv>] [<rx-pkt-too-short>] [<rx-sin-finest>] [<rx-black-hole-syn>] [<rx-black-hole>] [<rx-drop-no-inpcb>] [<rx-drop-notcpcb>] [<rx-drp-sock-closed>] [<rx-syn-with-rst>] [<rx-syn-drop>] [<rx-bandlim>] [<rx-forged-pkt>] [<rx-drp-mbcast>] [<rx-drp-syn-add>] [<rx-drp-syn-recvd>] [<rx-drp-cc-sent>] [<rx-drp-rst-ccsent>] [<rx-frecv-enqueue>] [<rx-frecv-enqueue-fail>] [<rx-ftcp-cant-rcv-more>] [<rx-ftcp-data-ack-toapp-fail>] [<rx-ftcp-data-ack-toapp>] [<tx-total>] [<tx-urg>] [<tx-ctrl>] [<tx-data-pack>] [<tx-data-bytes>] [<tx-reasm-pack>] [<tx-reasm-bytes>] [<tx-ackonly-pack>] [<tx-winprobe-pack>] [<tx-winupdate-bytes>] [<tx-encrypt>] [<tx-unencrypt>] [<tx-md5rst>] [<tx-conn-init>] [<tx-conn-accepted>] [<tx-conn-estd>] [<closed>] [<dropped>] [<emb-dropped>] [<tx-rxmt-timeout>] [<tx-rxmt-timeout-dropped>] [<tx-ka-timeout>] [<tx-ka-probe>] [<tx-ka-drop>] [<gen-seg-timed>] [<gen-rtt-updated>] [<gen-delack>] [<gen-persist-timeout>] [<gen-paws-drop>] [<gen-predack>] [<gen-preddat>] [<gen-pcb-cachemiss>] [<gen-cache-drtt>] [<gen-cache-drttvar>] [<gen-cached-ssthresh>] [<gen-usedrtt>] [<gen-usedrttvar>] [<gen-usedssthresh>] [<gen-persistdrop>] [<gen-badsyn>] [<gen-mturesent>] [<gen-list-endrop>] [<gen-rpm-bind-synsock>] [<gen-rpm-bindsynadd>] [<gen-rpm-bindlookup>] [<gen-rpm-bindsetsock>] [

<gen-rpm-unbind-getpass>] [<gen-rpm-unbinduser1>] [<gen-rpm-unbinduser2>] [<gen-rpm-unbindrollover>] [<gen-rpm-unbind-synfree>] [<gen-rpm-unbind-tpfree>] [<syn-sc-added>] [<syn-retransmitted>] [<syn-dupsyn>] [<syn-dropped>] [<syn-completed>] [<syn-bucket-overflow>] [<syn-cache-overflow>] [<syn-sc-reset>] [<syn-sc-stale>] [<syn-sc-aborted>] [<syn-sc-badack>] [<syn-sc-unreach>] [<syn-sc-zonefail>] [<syn-sc-sendcookie>] [<syn-sc-recvcookie>] [<syn-sc-crosshits>] [<syn-sc-supsyncrosshits>] [<syn-sc-removecrosshits>] [<udp-rx-total>] [<udp-rx-bad-csum>] [<udp-rx-no-csum>] [<udp-rx-too-short>] [<udp-rx-bad-len>] [<udp-rx-no-port>] [<udp-rx-no-port-bcast>] [<udp-rx-no-port-mcast>] [<udp-rx-full-socket-drop>] [<udp-tx-total>] [<raw-rx-version>] [<raw-rx-rcvd>] [<raw-rx-no-port>] [<raw-rx-full-socket-drop>] [<raw-tx-sent>] [<inpcb-tot-alloc>] [<inpcb-tot-bind>] [<inpcb-tot-laddr>] [<inpcb-tot-connect>] [<inpcb-tot-disconnect>] [<inpcb-tot-detach>] [<inpcb-tot-detach-noinc>] [<inpcb-tot-detach-rort>] [<inpcb-tot-rtfree>] [<inpcb-tot-setsock-addr>] [<inpcb-tot-setpeeraddr>] [<inpcb-tot-notify>] [<inpcb-tot-lookup-npacl-deny>] [<inpcb-tot-lookup-npacl-allow>] [<inpcb-tot-inshash-ipv4>] [<inpcb-tot-inshash-ipv6>] [<inpcb-tot-brehash-ipv4>] [<inpcb-tot-brehash-ipv6>] [<inpcb-tot-bremhash>] [<inpcb-err-allocnomem>] [<inpcb-err-bindeinavl>] [<inpcb-err-eaddrinuse>] [<inpcb-err-eagain>] [<inpcb-err-eagain2>] [<inpcb-err-eaddrnotavail>] [<inpcb-err-eafnosupport>] [<inpcb-err-enomem>] [<inpcb-err-ehostunreach>] [<inpcb-err-laddr-enxio>] [<inpcb-err-laddr-ehostunreach2>] [<inpcb-err-connectladdr>] [<inpcb-err-connect-eaddrinuse>] [<inpcb-err-connbind>] [<inpcb-err-sockaddrenomem>] [<inpcb-err-sockaddreconnreset>] [<inpcb-err-peeraddr-enomem>] [<inpcb-err-econnrest>] [<inpcb-err-respond-enobufs>] [<inpcb-err-binshash-enobufs>] [<in6pcb-tot-setport>] [<in6pcb-tot-bind>] [<in6pcb-tot-laddr>] [<in6pcb-tot-connect>] [<in6pcb-tot-disconnect>] [<in6pcb-tot-detach>] [<in6pcb-tot-sockaddr>] [<in6pcb-tot-peeraddr>] [<in6pcb-tot-notify>] [<in6pcb-tot-lookuplocal>] [<in6pcb-tot-hashnpacl-deny>] [<in6pcb-err-setporteagain>] [<in6pcb-err-setporteagain2>] [<in6pcb-err-seteagain3>] [<in6pcb-bind-eafnosupport>] [<in6pcb-err-bindeaddrinuse>] [<in6pcb-err-bindeaddrinuse2>] [<in6pcb-err-bindeaddrinuse3>] [<in6pcb-err-bindeaddrinuse4>] [<in6pcb-err-bindsetport>] [<in6pcb-err-bindeagain>] [<in6pcb-err-laddr-eafnosupport>] [<in6pcb-err-eaddrnotavail>] [<in6pcb-err-laddr-enomem>] [<in6pcb-err-laddr-ehostreach>] [<in6pcb-err-laddr-ehostunreach2>] [<in6pcb-err-laddr-ehostunreach3>] [<in6pcb-err-laddr-ehostunreach4>] [<in6pcb-err-laddr-enxio>] [<in6pcb-err-connladdr>] [<in6pcb-err-conneaddrinuse>] [<in6pcb-err-connbind>] [<in6pcb-err-sockaddr-enomem>] [<in6pcb-err-v4maps-enomem>] [<in6pcb-err-setsock-noinp>] [<in6pcb-err-setpeer-noinp>] [<in6pcb-err-sockaddr-noinp>] [<in6pcb-err-peeraddr-noinp>] [<in6pcb-err-notify-einavl>] [<in6pcb-err-ctloutput-nosoopt>] }]]

- OLD: show tacacs-server { <host0> } [__readonly__ { <host1> } [<tac_port>] [<tac_shared_key>] [<time_out>] [<tac_idle_time>] [<test_user_name>] <test_pwd>]
- NEW: show tacacs-server { <host0> } [__readonly__ { <host1> } [<tac_port>] [<tac_shared_key>] [<time_out>] [<conn_type>] [<tac_idle_time>] [<test_user_name>] <test_pwd>]
- OLD: show tech-support all [non-time-optimized]
- NEW: show tech-support all [space-optimized] [time-optimized]
- OLD: show vrrpv3 [brief | detail | statistics] [<intf> [<group_num>]] [<opt_v4_or_v6>] [all] [__readonly__ [<global_drops>] [[{ TABLE_istats [<i_intf>] [<i_drops>] [<ttl>] [<checksum>] [<version>] [<type>] [<length>] [<badid>] [<other>] }] [{ TABLE_grp [<intf>] [<id>] [<af>] [<desc>] [<state>] [<duration>] [<vip>] [{ TABLE_sec [<addr>] [<prefix>] }] [<vmac>] [<adv>] [<owner>] [<preempt>] [<delay>] [<delay_rem>] [<priority>] [<m_addr>] [<m_priority>] [<m_adv>] [<m_expire>] [<down>] [<down_expire>] [<adv_sent>] [<adv_err>] [<adv_recvd>] [<v2adv_sent>] [<v2adv_err>] [<v2adv_recvd>] [<drops>] [<incompat>] [<conflict>] [

<bad_count>] [<bad_addr>] [<bad_config>] [<bad_advert>] [<bad_state>] [<bad_other>] [<init_master>] [<init_master_time>] [<init_backup>] [<init_backup_time>] [<back_master>] [<back_master_time>] [<master_back>] [<master_back_time>] [<mast_init>] [<mast_init_time>] [<back_init>] [<back_init_time>] }]] + [{ TABLE_vbrief [<intf_b>] [<id_b>] [<af_b>] [<priority_b>] [<down_b>] [<owner_b>] [<preempt_b>] [<state_b>] [<m_addr_b>] [<vip_b>] }]]

- NEW: show vrrpv3 [brief | detail | statistics] [<intf> [<group_num>]] [<opt_v4_or_v6>] [all] [__readonly__ [<global_drops>] [[{ TABLE_istats [<i_intf>] [<i_drops>] [<ttl>] [<checksum>] [<version>] [<type>] [<length>] [<badid>] [<other>] }] [{ TABLE_grp [<intf>] [<id>] [<af>] [<desc>] [<state>] [<duration>] [<vip>] [{ TABLE_sec [<addr>] [<prefix>] }] [<vmac>] [<adv>] [<owner>] [<preempt>] [<delay>] [<delay_rem>] [<priority>] [<cfg_priority>] [<m_addr>] [<m_priority>] [<m_adv>] [<m_expire>] [<down>] [<down_expire>] [<t_id>] [<t_dec_prio>] [<t_state>] [<adv_sent>] [<adv_err>] [<adv_recvd>] [<v2adv_sent>] [<v2adv_err>] [<v2adv_recvd>] [<drops>] [<incompat>] [<conflict>] [<bad_count>] [<bad_addr>] [<bad_config>] [<bad_advert>] [<bad_state>] [<bad_other>] [<init_master>] [<init_master_time>] [<init_backup>] [<init_backup_time>] [<back_master>] [<back_master_time>] [<master_back>] [<master_back_time>] [<mast_init>] [<mast_init_time>] [<back_init>] [<back_init_time>] }]] + [{ TABLE_vbrief [<intf_b>] [<id_b>] [<af_b>] [<priority_b>] [<down_b>] [<owner_b>] [<preempt_b>] [<state_b>] [<m_addr_b>] [<vip_b>] }]]

Deprecated Show Commands in Cisco NX-OS Release 9.2(2)

The following commands are removed in this release.

- show system dme status [__readonly__ <dme-status>]

New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.2(3)

- New Commands in Cisco NX-OS Release 9.2(3), on page 3268
- Changed Commands in Cisco NX-OS Release 9.2(3), on page 3269

New Commands in Cisco NX-OS Release 9.2(3)

The following commands are added in this release.

- show aaa client radius statistics <host0> [__readonly__ TABLE_allstat [<auth_client>] TABLE_allcoastat [<requests>] [<transactions>] [<retransmissions>] [<active_trans>] [<ack_responses>] [<nak_responses>] [<invalid_req>] [<errors>]]
- show aaa server radius statistics [__readonly__ TABLE_allstat [<auth_ser>] [<coa_sessions>] TABLE_alldot1xstat [<request_sent>] [<resp_received>] [<resp_timeout>] [<errors>]]
- show consistency-checker racl svi interface <vlan-id>
- show consistency-checker selective-qinq
- show consistency-checker selective-qinq interface { <int-id> | <ch-id> }
- show logging dropcount
- show logging rfc-strict
- show nbm flows static [group <grp>] [source <src>]
- show ngoam mct-stats [__readonly__ <sent> <rcvd> <resp-sent> <resp-rcvd> <send-fail> <rcv-fail> <send-rel-fail>]
- show pnp lease
- show pnp posix_pi configs
- show pnp posix_pi tech-support
- show pnp profiles
- show pnp status
- show pnp summary
- show pnp version
- show username <username> passphrase timevalues [__readonly__ [timevalues [<tvalue>]] [passphrase_change <last_passphrase_change>] [Default_lifetime <def_ltime>] [Default_warntime <def_wrntime>] [Default_gracetime <def_gtime>]]
- show userpassphrase { default-lifetime | default-warntime | default-gracetime | timevalues } [__readonly__ [Default_warntime <def_wrntime>] [Default_gracetime <def_gtime>] [Default_lifetime <def_ltime>]]
- show vpc fabric-ports [__readonly__ [{ TABLE_fabric_ports <vpc-fabric-ports> }]]
- show vpc virtual-peerlink dest reachable
- show vpc virtual-peerlink vlan consistency

Changed Commands in Cisco NX-OS Release 9.2(3)

The following commands are changed in this release.

- OLD: show [<ip_ipv6_mac>] access-lists [<name>] [capture session <capture_session>] [<expanded> | <summary> | <private> | <brief> | <stats-detail>] [__readonly__ TABLE_ip_ipv6_mac <op_ip_ipv6_mac> <show_summary> <acl_name> [<statistics>] [<frag_opt_permit_deny>] [<global_capture_session>] [TABLE_seqno <seqno> { <permitdeny> [<proto_str> | <proto> | <ip> | <ipv6>] { <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> | <src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [<src_port_op> [<src_port1_str>] { <src_port1_num> } [<src_port2_str> | <src_port2_num>] | <src_portgrp>] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> | <dest_ipv6_addr> <dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [<dest_port_op> [<dest_port1_str>] { <dest_port1_num> } [<dest_port2_str> | <dest_port2_num>] | <dest_portgrp>] [{ <icmp_type> [<icmp_code>] | <icmp_str> } | { <icmpv6_type> [<icmpv6_code>] | <icmpv6_str> }] [<igmp_type> | <igmp_type_str>] [[<precedence> | <precedence_str>] [<tos> | <tos_str>] | [<dscp> | <dscp_str>] | [<ttl>]] [<log>] [<udfs>] [<capture_session>] [<fragments>] [<plen_op> <plen1> [<plen2>]] [<urg>] [<ack>] [<psh>] [<rst>] [<syn>] [<fin>] [<established>] [<http-method> | <http_opt_str>] [<tcp-option-length>] [<tcp-flags-mask>] [<flow_label>] [<timerange>] [<eth_proto> | <eth_proto_str>] [<vlan>] [<cos>] [<match_count>] | [TABLE_match <module> <module_match_count>] | [<nve_vni>] | <remark> [<action> <actionid>] }] [ethertype <ethertypeid> | vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid>] + [<action> <actionid>] [[<stats_enabled>] [<frag_option>] { <num_ace> } { <conf_if_header> } [<conf_if>] { <active_if_header> } [<active_if>]]]
- NEW: show [<ip_ipv6_mac>] access-lists [<name>] [capture session <capture_session>] [<expanded> | <summary> | <private> | <brief> | <stats-detail>] [__readonly__ TABLE_ip_ipv6_mac <op_ip_ipv6_mac> <show_summary> <acl_name> [<statistics>] [<frag_opt_permit_deny>] [<global_capture_session>] [TABLE_seqno <seqno> { <permitdeny> [<proto_str> | <proto> | <ip> | <ipv6>] { <src_any> | <src_ip_prefix> | <src_ip_addr> <src_ip_mask> | <src_ipv6_prefix> | <src_ipv6_addr> <src_ipv6_mask> | <mac_src> <mac_src_wild> | <src_addrgrp> } [<src_port_op> [<src_port1_str>] { <src_port1_num> } [<src_port2_str> | <src_port2_num>] | <src_portgrp>] { <dest_any> | <dest_ip_prefix> | <dest_ip_addr> <dest_ip_mask> | <dest_ipv6_prefix> | <dest_ipv6_addr> <dest_ipv6_mask> | <mac_dest> <mac_dest_wild> | <dest_addrgrp> } [<dest_port_op> [<dest_port1_str>] { <dest_port1_num> } [<dest_port2_str> | <dest_port2_num>] | <dest_portgrp>] [{ <icmp_type> [<icmp_code>] | <icmp_str> } | { <icmpv6_type> [<icmpv6_code>] | <icmpv6_str> }] [<igmp_type> | <igmp_type_str>] [[<precedence> | <precedence_str>] [<tos> | <tos_str>] | [<dscp> | <dscp_str>] | [<ttl>]] [<log>] [<udfs>] [<capture_session>] [<fragments>] [<plen_op> <plen1> [<plen2>]] [<urg>] [<ack>] [<psh>] [<rst>] [<syn>] [<fin>] [<established>] [<http-method> | <http_opt_str>] [<tcp-option-length>] [<tcp-flags-mask>] [<flow_label>] [<timerange>] [<eth_proto> | <eth_proto_str>] [<vlan>] [<cos>] [<match_count>] | [TABLE_match <module> <module_match_count>] | [<nve_vni>] | <remark> [<action> <actionid>] }] [ethertype <ethertypeid> | vlan <vlanid> | ingress_intf { <intfid> | <intfname> } | vlan_priority <vlanpriorityid>] + [<action> <actionid>] [[<stats_enabled>] [<frag_option>] [<ign_rtable>] { <num_ace> } { <conf_if_header> } [<conf_if>] { <active_if_header> } [<active_if>]]]
- OLD: show acl status [__readonly__ [<status_log_string>]]
- NEW: show acl status [__readonly__ [<current_operation> [<current_operation_stage>] [<current_operation_cli>] <last_operation> [<last_operation_status>] [<last_operation_cli>] [<current_acl>] [<current_ace>]]]

- OLD: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module_no>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<detect_timer>] [<down_count>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- NEW: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<detect_timer>] [<down_count>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- OLD: show boot [__readonly__ { [TABLE_bootvar_show <Str1>] }]
- NEW: show boot [__readonly__ { [TABLE_Current_Bootvar <current_sup_module> <current_image> <current_poap_status>] [TABLE_Startup_Bootvar <start_sup_module> <start_image> <start_poap_status>] }]
- OLD: show catena analytics { per-acl { per-node | per-device-group } | per-catena-instance <instance-name> [per-chain [<chain-id>]] } [__readonly__ <instance_name> <per_node> <per_node_total> <per_node_total_val> <chain_id> <per_device_group> <per_device_group_hdr> <per_device_group_val> <stats_counter>]
- NEW: show catena analytics { per-acl { per-node | per-device-group | per-vlan-group | per-port-group | total } | per-catena-instance <instance-name> [per-chain [<chain-id>]] } [__readonly__ <instance_name> <per_node> <per_node_total> <per_node_total_val> <per_intf_total_val> <per_vlan_total_val> <chain_id> <per_device_group> <per_device_group_hdr> <per_device_group_val> <per_vlan_group> <per_vlan_group_hdr> <per_vlan_group_val> <per_port_group> <per_port_group_val> <per_port_group_hdr> <total_val> <stats_counter>]
- OLD: show cfs application [{ name <cfs-dyn-app-name> | sap <i0> }] [__readonly__ [{ enabled <enabled> } { timeout <timeout> } { merge_capable <merge_capable> } { scope <scope> } { region <region> }] [{ TABLE_apps <app_name> <app_enabled> <app_scope> }]]

- NEW: show cfs application [{ name <cfs-dyn-app-name> | sap <i0> }] [__readonly__ [<enabled> <timeout> <merge_capable> <scope> <region>] [{ TABLE_apps <app_name> <app_enabled> <app_scope> }]]

- OLD: show cfs status [__readonly__ { distribution <distribution> } { distribution_over_ip <dist_over_ip> } { ipv4_multicast_address <ipv4_mcast_addr> } { ipv6_multicast_address <ipv6_mcast_addr> } { distribution_over_ethernet <dist_over_eth> }]

- NEW: show cfs status [__readonly__ <distribution> <dist_over_ip> <ipv4_mcast_addr> <ipv6_mcast_addr> <dist_over_eth>]

- OLD: show consistency-checker forwarding [ip | ipv4] [unicast] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding [ip | ipv4] [unicast] inconsistency [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <id> <slot> [<unit>] <vrf> [<ipaddr>] [<ipprefix>] [<interface>] <reason>]

- NEW: show consistency-checker forwarding [ip | ipv4] [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding [ip | ipv4] [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <id> <slot> [<unit>] <vrf> [<ipaddr>] [<ipprefix>] [<interface>] <reason>]

- OLD: show consistency-checker forwarding ipv6 [unicast] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding ipv6 [unicast] inconsistency [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <idipv6> <slotipv6> [<unitipv6>] <vrfipv6> [<ipv6addr>] [<ipv6prefix>] [<interfaceipv6>] <reasonipv6>]

- NEW: show consistency-checker forwarding ipv6 [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding ipv6 [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <idipv6> <slotipv6> [<unitipv6>] <vrfipv6> [<ipv6addr>] [<ipv6prefix>] [<interfaceipv6>] <reasonipv6>]

- OLD: show consistency-checker vxlan config-check

- NEW: show consistency-checker vxlan config-check [detail]

- OLD: show consistency-checker vxlan l3 [verbose]

- NEW: show consistency-checker vxlan l3 vrf <vrf-name> { brief | detail }

- OLD: show elam report [l2 | l3 | l4 | aclqos | mcast] [detail | summary]

- NEW: show elam report [l2 | l3 | l4 | aclqos | mcast | mpls]

- OLD: show environment [fan [detail1] | power [detail] [ampere] [input] | temperature [module <module> | <s0> <santa-cruz-range> | psu]] [__readonly__ [{ TABLE_clockinfo <clockname> <clkmodel> <clkhwver> <clkstatus> <act_standby> }] [{ fandetails [{ TABLE_faninfo <fanname> <fanmodel> <fanhwver> <fandir> <fanstatus> }] { TABLE_fan_zone_speed <zone> <zonespeed> } <fan_filter_status> [{ TABLE_fantray <fanname> <trayfannum> <fandir> <fanperc> <fanrpm> }] [{ TABLE_psufan <fanname> <fan1rpm> <fan2rpm> }] }] [{ powersup <voltage_level> { TABLE_psinfo <psnum> <psmodel> [<actual_out>] [<actual_input>] [<tot_capa>] [<input_type>] [<watts>] [<amps>] [<ps_status>] [<ps_status_3k>] } [{ TABLE_mod_pow_info <modnum> <mod_model> [<actual_draw>] [<allocated>] [<watts_requested>] [<amps_requested>] [

<watts_alloced>] [<amps_alloced>] [<modstatus>] [<modstatus_3k>] }] [{ power_summary [<ps_redun_mode>] [<ps_redun_mode_3k>] [<ps_oper_mode>] [<ps_redun_op_mode>] <tot_pow_capacity> [<tot_gridA_capacity>] [<tot_gridB_capacity>] [<cumulative_power>] [<tot_pow_out_actual_draw>] [<tot_pow_input_actual_draw>] [<tot_pow_alloc_budgeted>] [<reserve_sup>] [<pow_used_by_mods>] <available_pow> }] [{ powersup_detail <reserve_sup> <reserve_xbar> <reserve_fan> <reserve_supxbarfan> <pow_used_by_mods> }] <all_inlets_connected> [{ TABLE_ps_detail_info <det_name> <det_total_cap> <det_volt> <det_pintot> [<det_pina>] <det_vin> <det_iin> <det_pout> <det_vout> <det_iout> [<det_pinb>] [<det_iinb>] [<det_vinb>] [<det_cord>] <det_sw_alarm> [{ TABLE_det_hw_alarm_regval <regnum> <regval> }] [{ TABLE_det_hw_alarm_str <regnumstr> <bitnumstr> <alarm_str> }] }] [{ TABLE_psinputinfo_n3k <ps_slot> <ps_input_voltage> <ps_input_current> <ps_in_power> <ps_output_voltage> <ps_output_current> <ps_state> }] }] [{ fandetails_3k [{ TABLE_faninfo <fanname> <fanmodel> <fanhwver> <fandir> <fanstatus> }] { TABLE_fan_zone_speed <zone> <speed> } <fan_filter_status> [{ TABLE_fantray <fanname> <fannum> <fandir> <fanperc> <fanrpm> }] [{ TABLE_psufan <fanname> <fan1rpm> <fan2rpm> }] }] [{ TABLE_tempinfo <tempmod> <sensor> <majthres> <minthres> <curtemp> <alarmstatus> [<temptype>] }] [{ TABLE_psutempinfo <psumod> <inlet_temp> <outlet_temp> <heatsink_temp> }]]

- NEW: show environment [fan [detail1] | power [detail] [ampere] [input] | temperature [module <module> | <s0> <santa-cruz-range> | psu]] [__readonly__ [{ TABLE_clockinfo <clockname> <clkmodel> <clkhwver> <clkstatus> <act_standby> }] [{ fandetails [{ TABLE_faninfo <fanname> <fanmodel> <fanhwver> <fandir> <fanstatus> }] { TABLE_fan_zone_speed <zone> <zonespeed> } <fan_filter_status> [{ TABLE_fantray <fanname> <trayfannum> <fandir> <fanperc> <fanrpm> }] [{ TABLE_psufan <fanname> <fan1rpm> <fan2rpm> }] }] [{ powersup [<voltage_level>] [{ TABLE_psinfo <psnum> <psmodel> [<actual_out>] [<actual_input>] [<tot_capa>] [<input_type>] [<watts>] [<amps>] [<ps_status>] [<ps_status_3k>] }] [{ TABLE_mod_pow_info <modnum> <mod_model> [<actual_draw>] [<allocated>] [<watts_requested>] [<amps_requested>] [<watts_alloced>] [<amps_alloced>] [<modstatus>] [<modstatus_3k>] }] [{ power_summary [<ps_redun_mode>] [<ps_redun_mode_3k>] [<ps_oper_mode>] [<ps_redun_op_mode>] <tot_pow_capacity> [<tot_gridA_capacity>] [<tot_gridB_capacity>] [<cumulative_power>] [<tot_pow_out_actual_draw>] [<tot_pow_input_actual_draw>] [<tot_pow_alloc_budgeted>] [<reserve_sup>] [<pow_used_by_mods>] <available_pow> }] [{ powersup_detail <reserve_sup> <reserve_xbar> <reserve_fan> <reserve_supxbarfan> <pow_used_by_mods> }] [<all_inlets_connected>] [{ TABLE_ps_detail_info <det_name> <det_total_cap> <det_volt> <det_pintot> [<det_pina>] <det_vin> <det_iin> <det_pout> <det_vout> <det_iout> [<det_pinb>] [<det_iinb>] [<det_vinb>] [<det_cord>] <det_sw_alarm> [{ TABLE_det_hw_alarm_regval <regnum> <regval> }] [{ TABLE_det_hw_alarm_str <regnumstr> <bitnumstr> <alarm_str> }] }] [{ TABLE_psinputinfo_n3k <ps_slot> <ps_input_voltage> <ps_input_current> <ps_in_power> [<ps_output_voltage>] [<ps_output_current>] <ps_state> }] }] [{ fandetails_3k [{ TABLE_faninfo <fanname> <fanmodel> <fanhwver> <fandir> <fanstatus> }] { TABLE_fan_zone_speed <zone> <speed> } <fan_filter_status> [{ TABLE_fantray <fanname> <fannum> <fandir> <fanperc> <fanrpm> }] [{ TABLE_psufan <fanname> <fan1rpm> <fan2rpm> }] }] [{ TABLE_tempinfo <tempmod> <sensor> <majthres> <minthres> <curtemp> <alarmstatus> [<temptype>] }] [{ TABLE_psutempinfo <psumod> <inlet_temp> <outlet_temp> <heatsink_temp> }]]

- OLD: show fabric database static-host [__readonly__ [TABLE_database_static_host { <host_key> <interface> <state> <retry_delay> <retry_attempts> }]]

- NEW: show fabric database static-host [__readonly__ { TABLE_database_static_host <host_key> <interface> <state> <retry_delay> <retry_attempts> }]

- OLD: show forwarding mpls drop-stats [platform | label0-fwd-stats] [__readonly__ <pkts> <bytes>]

- NEW: show forwarding mpls drop-stats [platform | label0-fwd-stats] [__readonly__ [{ TABLE_drop_stats <unit-number> <pkts> <bytes> }]]

- OLD: show forwarding mpls ecmp [module <module>] [platform] [__readonly__ [{ TABLE_ecmp <type> <num_paths> <ip_paths> <mpls_paths> <ecmp_hash> <holder> <refcount> <hw_index> [{ TABLE_ecmp_paths <out-intf> <out-ip> <label_info> <hh> <refcount> }] }]]

- NEW: show forwarding mpls ecmp [module <module>] [platform] [__readonly__ [{ TABLE_ecmp [<type>] [<num_paths>] [<ip_paths>] [<mpls_paths>] [<ecmp_hash>] [<holder>] [<refcount>] [<hw_index>] [<fec>] [{ TABLE_ecmp_paths [<out-intf>] [<out-ip>] [<label-info>] [<refcount>] [<hh>] [<ecmp-type>] }] }]]

- OLD: show hardware profile status [module <module>] [detail] [__readonly__ { <total_lpm> <total_host> <reserved_lpm> <max_host4_limit> <max_host6_limit> <max_mcast_limit> <max_mcast6_limit> <used_lpm_total> <used_v4_lpm> <used_v6_lpm> <used_v6_lpm_128> <used_host_lpm_total> <used_host_v4_lpm> <used_host_v6_lpm> <used_mcast> <used_mcast6> <used_mcast_oifl> <used_host_in_host_total> <used_host4_in_host> <used_host6_in_host> <mfib_fd_status> <mfib_fd_maxroute> <mfib_fd_count> <max_v6_lpm_65_to_127_limit> <max_v6_lpm_limit> <max_ecmp_table_limit> <used_ecmp_table> <lpm_to_host_migrate_table> <host_to_lpm_migrate_table> <max_mcast_transit_route_limit> <used_mcast_transit_routes> <max_ecmp_nh_table_limit> <used_ecmp_nh_table> }]

- NEW: show hardware profile status [module <module>] [detail] [__readonly__ { <total_lpm> <total_host> <reserved_lpm> <max_host4_limit> <max_host6_limit> <max_mcast_limit> <max_mcast6_limit> [<max_mcast_transit_route_limit>] [<max_v6_lpm_limit>] [<max_v6_lpm_65_to_127_limit>] [<used_lpm_total>] <used_v4_lpm> <used_v6_lpm> [<used_v6_lpm_128>] <used_host_lpm_total> <used_host_v4_lpm> <used_host_v6_lpm> <used_mcast> <used_mcast6> [<used_mcast_transit_routes>] <used_mcast_oifl> <used_host_in_host_total> <used_host4_in_host> <used_host6_in_host> <max_ecmp_table_limit> <used_ecmp_table> <max_ecmp_nh_table_limit> <used_ecmp_nh_table> [<mfib_fd_status>] [<mfib_fd_maxroute>] [<mfib_fd_count>] [<lpm_to_host_migrate_table>] [<host_to_lpm_migrate_table>] }]

- OLD: show hardware qos eoq stats-class [module <module>] [__readonly__ TABLE_qos_eoq_stats_class <module> <eoq-stats-class-desc>]

- NEW: show hardware qos eoq stats-class [module <module>] [__readonly__ TABLE_qos_eoq_stats_class [<module>] <eoq-stats-class-desc>]

- OLD: show hardware qos ing-pg-no-min [module <module>] [__readonly__ TABLE_qos_ing_pg_no_min <module>]

- NEW: show hardware qos ing-pg-no-min [module <module>] [__readonly__ TABLE_qos_ing_pg_no_min [<module>] <ingress_pg_min> <pg_min_value>]

- OLD: show hardware qos min-buffer [module <module>] [__readonly__ TABLE_qos_min_buffer_profile <module> <buff-prof-desc>]

- NEW: show hardware qos min-buffer [module <module>] [__readonly__ TABLE_qos_min_buffer_profile [<module>] <buff-prof-desc>]

- OLD: show install { inactive | active [brief] | committed } [__readonly__ { <curr_nxos_image> [TABLE_smu_list <install_smu_id> +] [TABLE_package_list <package_id>] [TABLE_base_package_list <base_package_id>] }]

- NEW: show install { inactive | active [brief] | committed } [__readonly__ { <curr_nxos_image> [TABLE_smu_list <install_smu_id> +] [TABLE_package_list <package_id> +] [TABLE_base_package_list <base_package_id> +] }]

- OLD: show ip arp vpc-statistics [__readonly__ { TABLE_arp_vpc_stats [<arp-pro-drp-pull-disable>] [<arp-pro-drp-push-msg-disable>] [<arp-pro-ign-snd-pull-disabe>] [<arp-ign-snd-push-disable>] [<arp-drp-im-fail>] [<arp-drp-mcecm-fail>] [<arp-drp-invalid-pc-iod>] [<arp-drp-pt-lookup-fail>] [<arp-drp-resp-fail-no-mct>] [<arp-drp-resp-fail>] [<arp-mcecm-ifidx-vpc-fail>] [<arp-mcecm-vpc-ifidx-fail>] [<arp-periodic-mcecm-ifidx-vpc-fail>] [<arp-resp-sent>] [<arp-resp-recvd>] [<arp-resp-recv-err>] [<arp-rcvd-msg>] [<arp-send-fail>] [<arp-cfs-rel-dlvry-fail>] [<arp-cfs-rel-dnvry-suc>] [<arp-drp-pt-add-fail>] [<arp-drp-no-mem>] [<arp-drp-tmr-cre-fail>] [<arp-drp-add-adj-fail>] [<arp-off-drp-pt-lookup-fail>] [<arp-dont-drp-vlan-mismat>] [<arp-drp-svi-invalid>] [<arp-dont-drop-sv-down>] [<arp-drp-mct-down>] [<arp-drp-ctxt-invalid>] [<arp-drp-vrf-invalid>] [<arp-drp-l3addr-invalid>] [<arp-drp-l3addr-sanity-fail>] [<arp-drp-mac-sanity-fail>] [<arp-own-rtr-mac>] [<arp-drp-own-ipaddr>] [<arp-drp-own-vipadd>] [<arp-drp-adj-fail>] [<arp-drp-subnet-mismatch>] [<arp-drp-adj-exist>] [<arp-dont-drp-ip-not-enable>] [<arp-drp-total-cnt>] [<arp-dont-drop-total-cnt>] [<arp-drp-inval-phy-iod>] [<arp-add-adj>] [<arp-del-adj>] [<arp-adj-already-exist>] [<arp-sync-recv-op-add-adj>] [<arp-sync-recv-op-del-adj>] [<arp-sync-push-msg-adj-cnt>] [<arp-sync-send-op-add-adj>] [<arp-sync-send-op-del-adj>] [<arp-sync-adj-cnt>] [<arp-sync-addadj-fail>] [<arp-sync-drp-svi-inv>] [<arp-sync-drp-svi-dwn>] [<arp-sync-drp-ctxt-inv>] [<arp-sync-null-adj>] [<arp-sync-invalid-ip>] [<arp-periodic-sync-adj-l2-supp-cnt>] [<arp-periodic-sync-stop-bcast-pkt-sync-count>] }]

- NEW: show ip arp vpc-statistics [__readonly__ { TABLE_arp_vpc_stats [<arp-pro-drp-pull-disable>] [<arp-pro-drp-push-msg-disable>] [<arp-pro-ign-snd-pull-disabe>] [<arp-ign-snd-push-disable>] [<arp-drp-im-fail>] [<arp-drp-mcecm-fail>] [<arp-drp-invalid-pc-iod>] [<arp-drp-pt-lookup-fail>] [<arp-drp-resp-fail-no-mct>] [<arp-drp-resp-fail>] [<arp-mcecm-ifidx-vpc-fail>] [<arp-mcecm-vpc-ifidx-fail>] [<arp-periodic-mcecm-ifidx-vpc-fail>] [<arp-resp-sent>] [<arp-resp-recvd>] [<arp-resp-recv-err>] [<arp-rcvd-msg>] [<arp-send-fail>] [<arp-cfs-rel-dlvry-fail>] [<arp-cfs-rel-dnvry-suc>] [<arp-pkt-vmct-drop-count>] [<arp-drp-pt-add-fail>] [<arp-drp-no-mem>] [<arp-drp-tmr-cre-fail>] [<arp-drp-add-adj-fail>] [<arp-off-drp-pt-lookup-fail>] [<arp-dont-drp-vlan-mismat>] [<arp-drp-svi-invalid>] [<arp-dont-drop-sv-down>] [<arp-drp-mct-down>] [<arp-drp-ctxt-invalid>] [<arp-drp-vrf-invalid>] [<arp-drp-l3addr-invalid>] [<arp-drp-l3addr-sanity-fail>] [<arp-drp-mac-sanity-fail>] [<arp-own-rtr-mac>] [<arp-drp-own-ipaddr>] [<arp-drp-own-vipadd>] [<arp-drp-adj-fail>] [<arp-drp-subnet-mismatch>] [<arp-drp-adj-exist>] [<arp-dont-drp-ip-not-enable>] [<arp-drp-total-cnt>] [<arp-dont-drop-total-cnt>] [<arp-drp-inval-phy-iod>] [<arp-add-adj>] [<arp-del-adj>] [<arp-adj-already-exist>] [<arp-sync-recv-op-add-adj>] [<arp-sync-recv-op-del-adj>] [<arp-sync-push-msg-adj-cnt>] [<arp-sync-send-op-add-adj>] [<arp-sync-send-op-del-adj>] [<arp-sync-adj-cnt>] [<arp-sync-addadj-fail>] [<arp-sync-drp-svi-inv>] [<arp-sync-drp-svi-dwn>] [<arp-sync-drp-ctxt-inv>] [<arp-sync-null-adj>] [<arp-sync-invalid-ip>] [<arp-periodic-sync-adj-l2-supp-cnt>] [<arp-periodic-sync-stop-bcast-pkt-sync-count>] [<arp-periodic-sync-vmct-stop-orphan-sync-count>] }]

- OLD: show ip pim config-sanity [__readonly__ [TABLE_vrf <out-context> [TABLE_RP <rp-addr> [{ <rperr-count><rp-interface><rp-error> }]] [TABLE_ANYCAST [{ <arperr-count> <anycastrp-addr> [<arp-interface>] <arp-error> [<configure-as-RP>] }] [TABLE_MEMBER [{ <memerr-count> [<mem-interface>] <mem-error> }]] <found>] [TABLE_BSR [{ <rp-cand-count> [<rp-cand-interface>] <rp-cand-error> }] [{ <bsr-cand-count> [<bsr-cand-interface>] <bsr-cand-error> }]] [TABLE_AUTORP [{ <rp-cand-count> [<rp-cand-interface>] <rp-cand-error> }] [{ <auto-cand-count> [<auto-cand-interface>] <auto-cand-error> }]]]]

- NEW: show ip pim config-sanity [__readonly__ [TABLE_vrf [<out-context>] [TABLE_RP [<rp-addr>] [<rperr-count>] [<rp-interface>] [<rp-error>]] [TABLE_ANYCAST [<arperr-count>] [<anycastrp-addr>] [<arp-interface>] [<arp-error>] [<configure-as-RP>] [TABLE_MEMBER [<memerr-count>] [<mem-interface>] [<mem-error>]] [<found>]] [TABLE_BSR [<rp-cand-count>] [<rp-cand-interface>] [<rp-cand-error>] [<bsr-cand-count>] [<bsr-cand-interface>] [<bsr-cand-error>]] [TABLE_AUTORP [<rp-cand-count>] [<rp-cand-interface>] [<rp-cand-error>] [<auto-cand-count>] [<auto-cand-interface>] [<auto-cand-error>]]]]

- OLD: show ip sla responder [__readonly__ <rttMonApplResponder> <gen-enabled> [<ctrl-msg-count>] [<errors>] [{ TABLE_recent [<print-recent-hdr>] [<print-recent-err-hdr>] [<recent-addr>] [<recent-time>] [<recent-error>] }] <perm-enabled> [{ TABLE_permanent_udp [<print-udp-hdr>] [<address>] [<port>] }] [{ TABLE_permanent_tcp [<print-tcp-hdr>] [<address>] [<port>] }]]

- NEW: show ip sla responder [__readonly__ <rttMonApplResponder> <gen-enabled> [<ctrl-msg-count>] [<errors>] [<print-recent-hdr>] [{ TABLE_recent [<recent-addr>] [<recent-time>] }] [<print-recent-err-hdr>] [{ TABLE_recent_error [<recent-error>] }] <perm-enabled> [{ TABLE_permanent_udp [<print-udp-hdr>] [<address>] [<port>] }] [{ TABLE_permanent_tcp [<print-tcp-hdr>] [<address>] [<port>] }]]

- OLD: show ip udp relay [__readonly__ [<udp_relay_service_enable> <udp_relay_hdr> TABLE_default_ports <port_name> <udp_relay_port_enable>] [<udp_ports_hdr> TABLE_ports <udp_port_num>] [<udp_intf_hdr> TABLE_intf <udp_intf_idx> <udp_sub_bcast> <udp_objgrp>]]

- NEW: show ip udp relay [__readonly__ <udp_relay_service_enable> <udp_relay_hdr> [{ TABLE_default_ports <port_name> <udp_relay_port_enable> }] <udp_ports_hdr> [TABLE_ports <udp_port_num>] <udp_intf_hdr> [TABLE_intf <udp_intf_idx> <udp_sub_bcast> <udp_objgrp>]]

- OLD: show l2route evpn mac-ip evi <vpn-id> [arp | bgp | hmm] [mac <mac_addr>] [host-ip { <ipv4_host> | <ipv6_host> }] [next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> }] [detail] [__readonly__ TABLE_l2route_mac_ip_evi <topo-id> <mac-addr> <prod-type> <seq-num> <host-ip> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]

- NEW: show l2route evpn mac-ip evi <vpn-id> [arp | bgp | hmm] [mac <mac_addr>] [host-ip { <ipv4_host> | <ipv6_host> }] [next-hop { <ipv4_addr> | <ipv6_addr> | <if-hdl> }] [detail] [__readonly__ TABLE_l2route_mac_ip_evi <topo-id> <mac-addr> <host-ip> <prod-type> <flags> <seq-num> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]

- OLD: show l2route { mac-ip | openflow mac-ip } { topology <topo-id> | all } [detail] [__readonly__ TABLE_l2route_mac_ip_openflow <topo-id> <mac-addr> <prod-type> <seq-num> <host-ip> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]

- NEW: show l2route { mac-ip | openflow mac-ip } { topology <topo-id> | all } [detail] [__readonly__ TABLE_l2route_mac_ip <topo-id> <mac-addr> <host-ip> <prod-type> <flags> <seq-num> <next-hop1> [<next-hop2>] [<l3-info>] [<fwd-state>] [<rte-res>] [<sent-to>] [<peerid>] [<peer-ifindex>] [<esi-id>] [<soo>] [<pcinfo>]]

- OLD: show mac address-table limit [__readonly__ <limit_str> <limit>]

- NEW: show mac address-table limit { all | system | vlan | interface } [__readonly__ <limit_str> <limit>]

- OLD: show nbm host-policy applied receiver { local { all | interface { <if-name> } } | external }
- NEW: show nbm host-policy applied receiver { local { all | interface { <if-name> | wildcard } } | external }
- OLD: show nbm host-policy applied { sender { all | interface { <if-name> } } }
- NEW: show nbm host-policy applied { sender { all | interface { <if-name> | wildcard } } }
- OLD: show openflow switch <switch-id> flows [[table-id <table-id>] [[pending | pending-del | controller | configured | default | fixed] [brief | list | summary]] | stats]
- NEW: show openflow switch <switch-id> flows [[table-id <table-id>] [[pending | pending-del | controller | configured | default | fixed] [brief | list | summary]] | stats | compare statistics { snapshot | report [brief | list] }]
- OLD: show param-list [param-list-name <plistname>] [show-instance] [__readonly__ <param_list_header_flag> <param_list_name> <param_list_var> <param_list_type> <param_instance_header_flag> <param_instance_name> <param_instance_var> <param_instance_val>]
- NEW: show param-list [param-list-name <plistname>] [show-instance] [__readonly__ TABLE_param_list <param_list_name> [<param_list_var>] [<param_list_type>] [TABLE_instance <param_instance_name> [<param_instance_var>] [<param_instance_val>]]]
- OLD: show policy-map interface control-plane { [module <slot-no-in> [class <cmap-name>]] | [class <cmap-name> [module <slot-no-in>]] } [__readonly__ [<scale-factor-cmd>] <pmap-name> [TABLE_cmap <cmap-key> <cmap-name-out> <opt_any_or_all> [TABLE_match <match-key> { [access_grp <acc_grp_name>] [redirect <opt_match_redirect>] [exception <opt_match_excpt>] [protocol <opt_match_protocol>] } +] [<class-off-rate> <class-drop-rate> <class-pkts> <class-bytes>] [[<set_vld_flg>] { { cos [inner] <cos-val> } | { dscp [tunnel] <dscp-val> } | { precedence [tunnel1] <prec-val> } }] [<threshold> <level>] [[<policer_show_flags>] [<cir> <opt_kbps_mbps_gbps_pps_cir>] [{ percent <cir-perc> }] [<bc> <opt_kbytes_mbytes_gbytes_bc>] [<pir> <opt_kbps_mbps_gbps_pps_pir>] [{ percent1 <pir-perc> }] [<be> <opt_kbytes_mbytes_gbytes_be>]] [TABLE_slot { <slot-no-out> { [[<conform-pkts>] <conform-bytes>] [{ <opt_drop_transmit_conform> } | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit <set-dscp-val> } | { set-prec-transmit <set-prec-val> }] [{ [[<exceed-pkts>] <exceed-bytes>] { { <opt_drop_transmit_exceed> } | { set dscp1 dscp2 table cir-markdown-map } } }] { [[<violate-pkts>] <violate-bytes>] { { <opt_drop_transmit_violate> } | { set1 dscp3 dscp4 table1 pir-markdown-map } } } } }]]]
- NEW: show policy-map interface control-plane { [module <slot-no-in> [class <cmap-name>]] | [class <cmap-name> [module <slot-no-in>]] } [__readonly__ [<scale-factor-cmd>] <pmap-name> [TABLE_cmap <cmap-key> <cmap-name-out> <opt_any_or_all> [TABLE_match <match-key> { [access_grp <acc_grp_name>] [redirect <opt_match_redirect>] [exception <opt_match_excpt>] [protocol <opt_match_protocol>] } +] [<class-off-rate> <class-drop-rate> <class-pkts> <class-bytes>] [[<set_vld_flg>] { { cos [inner] <cos-val> } | { dscp [tunnel] <dscp-val> } | { precedence [tunnel1] <prec-val> } }] [<threshold> <level>] [[<policer_show_flags>] [<cir> <opt_kbps_mbps_gbps_pps_cir>] [{ percent <cir-perc> }] [<bc> <opt_kbytes_mbytes_gbytes_bc>] [<pir> <opt_kbps_mbps_gbps_pps_pir>] [{ percent1 <pir-perc> }] [<be> <opt_kbytes_mbytes_gbytes_be>]] [TABLE_slot { <slot-no-out> { [[<conform-pkts>] | [<conform-bytes>]] [{ <opt_drop_transmit_conform> } | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit <set-dscp-val> } | { set-prec-transmit <set-prec-val> }] [{ [[<exceed-pkts>]

<exceed-bytes>] { { <opt_drop_transmit_exceed> } | { set dscp1 dscp2 table cir-markdown-map } } }] { [<violate-pkts> | <violate-bytes>] { { <opt_drop_transmit_violate> } | { set1 dscp3 dscp4 table1 pir-markdown-map } } } } }]]]

- OLD: show policy-map type control-plane [expand] [{ name <pmap-name> }] [__readonly__ [{ TABLE_pmap <pmap-name1> [{ TABLE_cmap <cmap-name> [<opt_any_or_all>] [TABLE_match <match_key> { [access_grp <acc_grp_name>] | [redirect <opt_match_redirect>] | [exception <opt_match_excpt>] | [protocol <opt_match_protocol>] }] [{ TABLE_set_action <set_vld_flg> { { cos [inner] <cos-val> } | { dscp [tunnel] <dscp-val> } | { precedence [tunnel1] <prec-val> } } }] [<threshold> <level>] [[<policer_show_flags>] [<cir> <opt_kbps_mbps_gbps_pps_cir>] [percent <cir-perc>] [<pir> <opt_kbps_mbps_gbps_pps_pir>] [percent1 <pir-perc>] [<bc> <opt_kbytes_mbytes_gbytes_bc>] [<be> <opt_kbytes_mbytes_gbytes_be>] [{ <opt_drop_transmit_conform> } | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit <set-dscp-val> } | { set-prec-transmit <set-prec-val> }] [{ <opt_drop_transmit_exceed> } | { set dscp1 dscp2 table cir-markdown-map }] [{ <opt_drop_transmit_violate> } | { set1 dscp3 dscp4 table1 pir-markdown-map }]] }] }]]
- NEW: show policy-map type control-plane [expand] [{ name <pmap-name> }] [__readonly__ [{ TABLE_pmap <pmap-name1> [{ TABLE_cmap <cmap-name> [<opt_any_or_all>] [TABLE_match [<match_key>] { [access_grp <acc_grp_name> +] [redirect <opt_match_redirect>] [exception <opt_match_excpt> +] [protocol <opt_match_protocol>] }] [{ TABLE_set_action <set_vld_flg> { { cos [inner] <cos-val> } | { dscp [tunnel] <dscp-val> } | { precedence [tunnel1] <prec-val> } } }] [<threshold> <level>] [[<policer_show_flags>] [<cir> <opt_kbps_mbps_gbps_pps_cir>] [percent <cir-perc>] [<pir> <opt_kbps_mbps_gbps_pps_pir>] [percent1 <pir-perc>] [<bc> <opt_kbytes_mbytes_gbytes_bc>] [<be> <opt_kbytes_mbytes_gbytes_be>] [{ <opt_drop_transmit_conform> } | { set-cos-transmit <set-cos-val> } | { set-dscp-transmit <set-dscp-val> } | { set-prec-transmit <set-prec-val> }] [{ <opt_drop_transmit_exceed> } | { set dscp1 dscp2 table cir-markdown-map }] [{ <opt_drop_transmit_violate> } | { set1 dscp3 dscp4 table1 pir-markdown-map }]] }] }]]
- OLD: show port-channel load-balance { [module <module>] | { fex { all } } } [__readonly__ [<sys-cfg>] [{ <module-cfg> }] + <non-ip-val> <non-ip-sel> <ipv4-val> <ipv4-sel> [<ipv6-val>] { TABLE_mod_configs [<mod-number>] <mod-non-ip-val> <mod-non-ip-sel> <mod-ipv4-val> <mod-ipv4-sel> }]
- NEW: show port-channel load-balance { [module <module>] | { fex { all } } } [__readonly__ [<sys-cfg>] + <sys-cfg-sel> [{ <module-cfg> }] + <non-ip-val> <non-ip-sel> <ipv4-val> <ipv4-sel> [<ipv6-val>] { TABLE_mod_configs [<mod-number>] <mod-non-ip-val> <mod-non-ip-sel> <mod-ipv4-val> <mod-ipv4-sel> }]
- OLD: show postcard-telemetry exporter [name] [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip> <dscp>]
- NEW: show postcard-telemetry exporter [name] [<exportername>] [__readonly__ <exporter> <description> <dest> <vrf> <vrf_id> <vrf_resolved> <dest_udp> <source_intf> <source_ip>]
- OLD: show postcard-telemetry flow-profile [name] [<flow-profilename>] [__readonly__ <flow-profile> <description> <dscp> <age> <latency>]
- NEW: show postcard-telemetry flow-profile [name] [<flow-profilename>] [__readonly__ <flow-profile> <description> <age> <latency>]

- OLD: show postcard-telemetry monitor [name] [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <record> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist>]
- NEW: show postcard-telemetry monitor [name] [<monitorname> [cache [detailed]]] [__readonly__ <monitor> <use_count> <description> <event> <exporter> <bucket_id> <src_addr> <dest_addr> <watchlist>]
- OLD: show ptp packet-trace [__readonly__ [TABLE_ptp <intf-name> <sup-time> <pkt_dir> <pkt_type> <pkt_info>] <ptp-header> <ptp-end>]
- NEW: show ptp packet-trace [__readonly__ <ptp-header> [TABLE_ptp <intf-name> <sup-time> <pkt_dir> <pkt_type> <pkt_info>] <ptp-end>]
- OLD: show qos dcbxp incompatibility interface <iface-num> [__readonly__ { <pfc> <mtu> <lpg> <rpg> <bw> <lfcoe> <rfcoe> <liscsi> <riscsi> }]
- NEW: show qos dcbxp incompatibility interface <iface-num> [__readonly__ { [{ TABLE_local_pfc <vl_id_lpfc> [<lpfc>] }] [{ TABLE_remote_pfc <vl_id_rpfc> [<rpfc>] }] [<mtu>] [{ TABLE_lpg <vl_id_lpg> [<cos_list_lpg>] [<bandwidth_lpg>] }] [{ TABLE_rpg <vl_id_rpg> [<cos_list_rpg>] [<bandwidth_rpg>] }] [<bw>] [<lfcoe>] [<rfcoe>] [<liscsi>] [<riscsi>] }]
- OLD: show route-map { <pbr_rmap_name> | <pbr_rmap_cfg_name> } pbr-statistics [__readonly__ <tag> <action> <seq> <pbr_pkt_count> <dflt_rtg_pkt_count>]
- NEW: show route-map { <pbr_rmap_name> | <pbr_rmap_cfg_name> } pbr-statistics [__readonly__ TABLE_rmap { TABLE_pbr <tag> <action> <seq> <pbr_pkt_count> } <dflt_rtg_pkt_count>]
- OLD: show snmp user [<s0> [engineID <s1>]] [__readonly__ [{ TABLE_snmp_users <user> <auth> <priv> [{ TABLE_groups <group> }] [<acl_filter>] [<engineID>] }]]
- NEW: show snmp user [<s0> [engineID <s1>]] [__readonly__ [{ TABLE_snmp_users <user> <auth> <priv> [<group>] + [<acl_filter>] [<engineID>] }]]
- OLD: show srte policy fh
- NEW: show srte policy fh [__readonly__ [TABLE_fh [<label> <type> <state>] [TABLE_index [<index> <ip_addr> <mask_len>]]]]
- OLD: show sup-monitor drops session <session_number> [module <module>]
- NEW: show sup-monitor drops session <session_number> [__readonly__ [<drops>] [<inactive>]]
- OLD: show switching-mode fabric-speed [__readonly__ TABLE_switching_mode <switching-mode-desc>]
- NEW: show switching-mode fabric-speed [__readonly__ TABLE_switching_mode_fabric_speed <fabric-speed-desc>]
- OLD: show system image-verification
- NEW: show system image-verification [__readonly__ { [TABLE_system_image_verification <Str1>] }]

- OLD: show system inband queuing status [__readonly__ [{ TABLE_sys_inband_queue_status <pminbandweigh0> <pminbandweigh1> <pminbandweigh2> }]]
- NEW: show system inband queuing status [__readonly__ [{ TABLE_sys_inband_queue_status <pminbandalgo> <pminbandweigh0> <pminbandweigh1> <pminbandweigh2> }]]
- OLD: show system poap
- NEW: show system poap [__readonly__ { [TABLE_show_system_poap <Str1>] }]
- OLD: show tech-support forwarding l3 unicast [module <module>]
- NEW: show tech-support forwarding l3 unicast [module <module>] [list]
- OLD: show tech-support forwarding l3 unicast detail [module <module>]
- NEW: show tech-support forwarding l3 unicast detail [module <module>] [list]
- OLD: show vlan filter [access-map <name> | vlan <vlan>] [__readonly__ TABLE_vlan_filter <name> <configured_vlans>]
- NEW: show vlan filter [access-map <name> | vlan <vlan>] [__readonly__ TABLE_vlan_filter <vacl_name> <configured_vlans>]
- OLD: show vpc [brief] [__readonly__ <vpc-domain-id> [<vpc-l2mp-switch-id>] <vpc-peer-status> <vpc-peer-status-reason> <vpc-peer-keepalive-status> [<vpc-peer-l2mp-status>] <vpc-peer-consistency> { [<vpc-peer-consistency-reason>] [<vpc-per-vlan-peer-consistency>] <vpc-peer-consistency-status> } <vpc-type-2-consistency> { [<vpc-type-2-consistency-reason>] <vpc-type-2-consistency-status> } <vpc-role> <num-of-vpcs> [<track-obj>] [<peer-gateway>] [<peer-gateway-excluded-vlans>] <dual-active-excluded-vlans> <vpc-graceful-consistency-check-status> [<vpc-auto-recovery-status>] [<vpc-delay-restore-status>] [<vpc-delay-restore-svi-status>] [<vpc-delay-peer-link-status>] <operational-l3-peer> [<vpc-scale-high-status>] [<fp-enhanced-load-balancing>] [<vpc-per-vlan-peer-consistency>] <vpc-peer-link-hdr> [{ TABLE_peerlink <peer-link-id> <peerlink-ifindex> <peer-link-port-state> <peer-up-vlan-bitset> }] <vpc-end> <vpc-hdr> [<vpc-is-es>] [<vpc-not-es>] [{ TABLE_vpc <vpc-id> <vpc-ifindex> <vpc-port-state> <phy-port-if-removed><vpc-thru-peerlink> <vpc-consistency> { [<vpc-consistency-reason>] [<vpc-consistency-status>] } <up-vlan-bitset> <es-attr> }] <vpc-end>]
- NEW: show vpc [brief] [__readonly__ <vpc-domain-id> [<vpc-l2mp-switch-id>] <vpc-peer-status> <vpc-peer-status-reason> <vpc-peer-keepalive-status> [<vpc-peer-l2mp-status>] <vpc-peer-consistency> { [<vpc-peer-consistency-reason>] [<vpc-per-vlan-peer-consistency>] <vpc-peer-consistency-status> } <vpc-type-2-consistency> { [<vpc-type-2-consistency-reason>] <vpc-type-2-consistency-status> } <vpc-role> <num-of-vpcs> [<track-obj>] [<peer-gateway>] [<peer-gateway-excluded-vlans>] <dual-active-excluded-vlans> <vpc-graceful-consistency-check-status> [<vpc-auto-recovery-status>] [<vpc-delay-restore-status>] [<vpc-delay-restore-svi-status>] [<vpc-delay-peer-link-status>] <operational-l3-peer> [<vpc-scale-high-status>] [<fp-enhanced-load-balancing>] [<vpc-per-vlan-peer-consistency>] [<virtual-peerlink>] <vpc-peer-link-hdr> [{ TABLE_peerlink <peer-link-id> <peerlink-ifindex> <peer-link-port-state> <peer-up-vlan-bitset> }] <vpc-end> <vpc-hdr> [<vpc-is-es>] [<vpc-not-es>] [{ TABLE_vpc <vpc-id> <vpc-ifindex> <vpc-port-state> <phy-port-if-removed><vpc-thru-peerlink> <vpc-consistency> { [<vpc-consistency-reason>] [<vpc-consistency-status>] } <up-vlan-bitset> <es-attr> }] <vpc-end>]

New, Changed, and Deprecated Show Commands in Cisco Nexus 9000 Release 9.2(4)

- New Commands, on page 3282
- Changed Commands, on page 3283
- Deprecated Commands, on page 3293

New Commands

The following commands are added in this release.

- show cdp traffic interface2 all [__readonly__ TABLE_cdp_traffic <intf_id> <total_input_packets> <valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors> <flap_cnt>]
- show lldp traffic interface all [__readonly__ TABLE_lldp_traffic_interface <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt>]
- show logging level ngmvpn
- show system internal icam event-history thresholds
- show system resources all-modules [__readonly__ { [<load_avg_1min>] [<load_avg_5min>] [<load_avg_15min>] [<processes_total>] [<processes_running>] [<cpu_state_user>] [<cpu_state_kernel>] [<cpu_state_idle>] [TABLE_cpu_usage <cpuid> <user> <kernel> <idle>] [<memory_usage_total>] [<memory_usage_used>] [<memory_usage_free>] [<current_memory_status>] }]

Changed Commands

The following commands are changed in this release.

- OLD: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<detect_timer>] [<down_count>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- NEW: show bfd { [vrf { <vrf-name> | <vrf-known-name> | all }] } { [<ip_type>] } neighbors { [multihop] | [module <module>] | [interface <intf_id>] | [application <bfd_cli_client_names>] | [{ src-ip <src_ip> | src-ipv6 <src_ipv6> }] | [{ dest-ip <dest_ip> | dest-ipv6 <dest_ipv6> }] | [vrf { <vrf-name> | <vrf-known-name> | all }] } + [details] [__readonly__ TABLE_bfdNeighbor <local_disc> [<header>] [<sess_type>] [<vrf_name>] [<src_ip_addr>] [<src_ipv6_addr>] [<dest_ip_addr>] [<dest_ipv6_addr>] [<remote_disc>] [<local_state>] [<remote_state>] [<holddown>] [<cur_detect_mult>] [<intf>] [<echo>] [<echo_tx>] [<local_diag>] [<demand>] [<poll>] [<min_tx>] [<min_rx>] [<local_multi>] [<detect_timer>] [<tx_interval>] [<rx_count>] [<rx_avg>] [<rx_min>] [<rx_max>] [<last_rx>] [<tx_count>] [<tx_avg>] [<tx_min>] [<tx_max>] [<last_tx>] [<app>] [<up_time>] [<up_count>] [<down_count>] [<version>] [<diag>] [<state_bit>] [<demand_bit>] [<poll_bit>] [<final_bit>] [<multiplier>] [<length>] [<my_disc>] [<your_disc>] [<min_tx_interval>] [<req_min_rx>] [<min_echo_interval>] [<out_str>] [<host_lc>] [<down_reason>] [<no_host_reason>] [<parent>] [<per_link_str>] [<auth>] [<auth_bit>] [<print_details>]]
- OLD: show cdp traffic interface2 <if2> [__readonly__ <intf_id> <total_input_packets> <valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors>]
- NEW: show cdp traffic interface2 <if2> [__readonly__ <intf_id> <total_input_packets> <valid_cdp_packets> <input_v1_packets> <input_v2_packets> <invalid_cdp_packets> <unsupported_version> <checksum_errors> <malformed_packets> <total_output_packets> <output_v1_packets> <output_v2_packets> <send_errors> <flap_cnt>]
- OLD: show consistency-checker forwarding [ip | ipv4] [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding [ip | ipv4] [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <id> <slot> [<unit>] <vrf> [<ipaddr>] [<ipprefix>] [<interface>] <reason>]

- NEW: show consistency-checker forwarding [ip | ipv4] [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding [ip | ipv4] [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <id> <slot> [<unit>] <vrf> [<ipaddr>] [<ipprefix>] [<interface>] <reason>]

- OLD: show consistency-checker forwarding ipv6 [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding ipv6 [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <idipv6> <slotipv6> [<unitipv6>] <vrfipv6> [<ipv6addr>] [<ipv6prefix>] [<interfaceipv6>] <reasonipv6>]

- NEW: show consistency-checker forwarding ipv6 [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] | show forwarding ipv6 [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [__readonly__ TABLE_inconsistency <idipv6> <slotipv6> [<unitipv6>] <vrfipv6> [<ipv6addr>] [<ipv6prefix>] [<interfaceipv6>] <reasonipv6>]

- OLD: show hardware internal buffer info tah-pkt-stats [input] [module <module>] [instance <instance>] [port <port>] [subport <subport>] [brief | detail | peak] [__readonly__ { TABLE_ingress_buf <instance> <inst_total_cell> <inst_used_cell> <inst_free_cell> { TABLE_ingress_buf_per_inst <port> <subport> <qos0_instant_usage> <qos1_instant_usage> <qos2_instant_usage> <qos3_instant_usage> <qos4_instant_usage> <qos5_instant_usage> <qos6_instant_usage> <qos7_instant_usage> <port_instant_usage> <port_remain_usage> <port_peak_usage> <port_peak_usage2> } { TABLE_ingress_buf_stg2 <port_stg2> <hi_drop_usage> <lo_drop_usage> <hi_pause_usage> <lo_pause_usage> <port_instant_stg2> <port_remain_stg2> <port_peak_usage_stg2> <port_peak_usage2_stg2> } } { TABLE_instance <instance> <supports_8q> <total_instant_usage_drop_pg> <rem_instant_usage_drop_pg> <max_cell_usage_drop_pg> <switch_cell_count_drop_pg> <total_instant_usage_no_drop_pg> <rem_instant_usage_no_drop_pg> <max_cell_usage_no_drop_pg> <switch_cell_count_no_drop_pg> <total_instant_usage_cpu_pg> <rem_instant_usage_cpu_pg> <max_cell_usage_cpu_pg> <switch_cell_count_cpu_pg> <total_instant_usage_lcpu_pg> <rem_instant_usage_lcpu_pg> <max_cell_usage_lcpu_pg> <switch_cell_count_lcpu_pg> <total_instant_usage_rcpu_pg> <rem_instant_usage_rcpu_pg> <max_cell_usage_rcpu_pg> <switch_cell_count_rcpu_pg> <total_instant_usage_span_pg> <rem_instant_usage_span_pg> <max_cell_usage_span_pg> <switch_cell_count_span_pg> <total_instant_desc_usage_drop_pg> <rem_instant_desc_usage_drop_pg> <switch_desc_count_drop_pg> <total_instant_desc_usage_no_drop_pg> <rem_instant_desc_usage_no_drop_pg> <switch_desc_count_no_drop_pg> <total_instant_desc_usage_cpu_pg> <rem_instant_desc_usage_cpu_pg> <switch_desc_count_cpu_pg> <total_instant_desc_usage_lcpu_pg> <rem_instant_desc_usage_lcpu_pg> <switch_desc_count_lcpu_pg> <total_instant_desc_usage_rcpu_pg> <rem_instant_desc_usage_rcpu_pg> <switch_desc_count_rcpu_pg> <total_instant_desc_usage_span_pg> <rem_instant_desc_usage_span_pg> <switch_desc_count_span_pg> <ucpool_instant_usage_0> <ucpool_instant_desc_usage_0> <ucpool_max_cell_usage_0> <ucpool_instant_usage_1> <ucpool_instant_desc_usage_1> <ucpool_max_cell_usage_1> <ucpool_instant_usage_2> <ucpool_instant_desc_usage_2> <ucpool_max_cell_usage_2> <ucpool_instant_usage_3> <ucpool_instant_desc_usage_3> <ucpool_max_cell_usage_3> <ucpool_instant_usage_4> <ucpool_instant_desc_usage_4> <ucpool_max_cell_usage_4> <ucpool_instant_usage_5> <ucpool_instant_desc_usage_5> <ucpool_max_cell_usage_5> <ucpool_instant_usage_6> <ucpool_instant_desc_usage_6> <ucpool_max_cell_usage_6> <ucpool_instant_usage_7> <ucpool_instant_desc_usage_7> <ucpool_max_cell_usage_7> <mcpool_instant_usage_0> <mcpool_instant_desc_usage_0> <mcpool_instant_inq_usage_0> <mcpool_instant_pkts_usage_0> <mcpool_max_cell_usage_0> <mcpool_instant_usage_1> <mcpool_instant_desc_usage_1>

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- NEW: show hardware internal buffer info tah-pkt-stats [input] [module <module>] [instance <instance>] [port <port>] [subport <subport>] [brief | detail | peak | threshold] [__readonly__ { TABLE_ingress_buf <instance> <inst_total_cell> <inst_used_cell> <inst_free_cell> { TABLE_ingress_buf_per_inst <port> <subport> <qos0_instant_usage> <qos1_instant_usage> <qos2_instant_usage> <qos3_instant_usage> <qos4_instant_usage> <qos5_instant_usage> <qos6_instant_usage> <qos7_instant_usage> <port_instant_usage> <port_remain_usage> <port_peak_usage> <port_peak_usage2> } { TABLE_ingress_buf_stg2 <port_stg2> <hi_drop_usage> <lo_drop_usage> <hi_pause_usage> <lo_pause_usage> <port_instant_stg2> <port_remain_stg2> <port_peak_usage_stg2> <port_peak_usage2_stg2> } } { TABLE_instance <instance> <supports_8q> <total_instant_usage_drop_pg> <rem_instant_usage_drop_pg> <max_cell_usage_drop_pg> <switch_cell_count_drop_pg> <total_instant_usage_no_drop_pg> <rem_instant_usage_no_drop_pg> <max_cell_usage_no_drop_pg> <switch_cell_count_no_drop_pg> <total_instant_usage_cpu_pg> <rem_instant_usage_cpu_pg> <max_cell_usage_cpu_pg> <switch_cell_count_cpu_pg> <total_instant_usage_lcpu_pg> <rem_instant_usage_lcpu_pg> <max_cell_usage_lcpu_pg> <switch_cell_count_lcpu_pg> <total_instant_usage_rcpu_pg> <rem_instant_usage_rcpu_pg> <max_cell_usage_rcpu_pg> <switch_cell_count_rcpu_pg> <total_instant_usage_span_pg> <rem_instant_usage_span_pg> <max_cell_usage_span_pg> <switch_cell_count_span_pg> <total_instant_desc_usage_drop_pg> <rem_instant_desc_usage_drop_pg> <switch_desc_count_drop_pg> <total_instant_desc_usage_no_drop_pg> <rem_instant_desc_usage_no_drop_pg> <switch_desc_count_no_drop_pg> <total_instant_desc_usage_cpu_pg> <rem_instant_desc_usage_cpu_pg> <switch_desc_count_cpu_pg> <total_instant_desc_usage_lcpu_pg> <rem_instant_desc_usage_lcpu_pg> <switch_desc_count_lcpu_pg> <total_instant_desc_usage_rcpu_pg> <rem_instant_desc_usage_rcpu_pg> <switch_desc_count_rcpu_pg> <total_instant_desc_usage_span_pg> <rem_instant_desc_usage_span_pg> <switch_desc_count_span_pg> <ucpool_instant_usage_0> <ucpool_instant_desc_usage_0> <ucpool_max_cell_usage_0> <ucpool_instant_usage_1> <ucpool_instant_desc_usage_1> <ucpool_max_cell_usage_1> <ucpool_instant_usage_2> <ucpool_instant_desc_usage_2> <ucpool_max_cell_usage_2> <ucpool_instant_usage_3> <ucpool_instant_desc_usage_3> <ucpool_max_cell_usage_3> <ucpool_instant_usage_4> <ucpool_instant_desc_usage_4> <ucpool_max_cell_usage_4> <ucpool_instant_usage_5> <ucpool_instant_desc_usage_5> <ucpool_max_cell_usage_5> <ucpool_instant_usage_6>

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- OLD: show hardware internal forwarding l2 table utilization [instance { <instance_number> | all }] [no-header] [module <num>] [__readonly__ TABLE_l2_util_info <module> <instance> <total> <used> <mcast> <ucast> <lines> <lines_full>]

- NEW: show hardware internal forwarding l2 table utilization [instance { [<instance_number> | all] [module<num>] } | module1 { [<num> | all1] [instance1 <instance_number1>] }] [no-header] [__readonly__ TABLE_l2_util_info <module> <instance> <total> <used> <mcast> <ucast> <lines> <lines_full>]

- OLD: show icam prediction resource acl_tcam module <module> inst <inst> trend [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <Feature_Entries1> <Free_Entries1> <Percent_Util1> <Feature_Entries2> <Free_Entries2> <Percent_Util2> <Feature_Entries3> <Free_Entries3> <Percent_Util3> }] [<mod> <inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used1> <Free1> <Util1> <Used2> <Free2> <Util2> <Used3> <Free3> <Util3> }]]

- NEW: show icam prediction resource { acl_tcam | acl-tcam | fib_tcam | fib-tcam } module <module> inst <inst> <YYYY> <Month> <Date> <Time> [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <Feature_Entries> <Free_Entries> <Percent_Util> }] [<mod> <inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used> <Free> <Percent_Util> }] [{ TABLE_PREDICTION_FIB_tcam <Class> <Used_Entries> <Max_Entries> <Percent_Util> }]]

- OLD: show icam prediction resource { acl_tcam | fib_tcam } module <module> inst <inst> <YYYY> <Month> <Date> <Time> [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <Feature_Entries> <Free_Entries> <Percent_Util> }] [<mod>

<inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used> <Free> <Percent_Util> }] [{ TABLE_PREDICTION_FIB_tcam <Class> <Used_Entries> <Max_Entries> <Percent_Util> }]]

- NEW: show icam prediction resource { acl_tcam | acl-tcam } mod <module> inst <inst> trend [__readonly__ <module> <instance> [{ TABLE_PREDICTION_ACL_feature <Feature> <Dir> <TCAM> <BANK> <Feature_Entries1> <Free_Entries1> <Percent_Util1> <Feature_Entries2> <Free_Entries2> <Percent_Util2> <Feature_Entries3> <Free_Entries3> <Percent_Util3> }] [<mod> <inst> { TABLE_PREDICTION_ACL_tcam <Tcam_no> <Bank_no> <Used1> <Free1> <Util1> <Used2> <Free2> <Util2> <Used3> <Free3> <Util3> }]]

- OLD: show icam prediction scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } | { vxlan [test] } }] <YYYY> <Month> <Date> <Time> [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] }] }] }]]

- NEW: show icam prediction scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan | isolated-portvlan } | vlan { vlan-count }] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | outgoing-interface } | igmp { group } | pim { neighbor }] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path }] } | { vxlan [igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group }] } }] <YYYY> <Month> <Date> <Time> [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] }] }] }]]

- OLD: show icam resource { acl_tcam | fib_tcam } module <module> inst <inst> [history <num_intervals>] [__readonly__ <module> <instance> [{ TABLE_feature_resource <Feature> <TCAM> <BANK> [{ TABLE_ingress_stats <Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> }] }] [{ TABLE_egress_feature_resource <Feature> <TCAM> <BANK> [{ TABLE_egress_stats <Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> }] }] [<mod> <inst> { TABLE_tcam_bank_utilization <Tcam_no> <Bank_no> [{ TABLE_tcam_bank_stats <Used> <Free> <Percent_Util> <Timestamp> }] }] [{ TABLE_global_configs <Atomic_Update> <Bank_Chain_Mode> <Dynamic_Bank_Mapping> <LOU_Threshold_Value> }] [{ TABLE_fib_resource <Class> [{ TABLE_fib_stats <Used_Entries> <Max_Entries> <Percent_Util> <Timestamp> }] }]]

- NEW: show icam resource { acl_tcam | acl-tcam | fib_tcam | fib-tcam } module <module> inst <inst> [history <num_intervals>] [__readonly__ <module> <instance> [{ TABLE_feature_resource <Feature> <TCAM> <BANK> [{ TABLE_ingress_stats <Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> }] }] [{ TABLE_egress_feature_resource <Feature> <TCAM> <BANK> [{ TABLE_egress_stats <Feature_Entries> <Free_Entries> <Percent_Util> <Timestamp> }] }] [<mod> <inst> { TABLE_tcam_bank_utilization <Tcam_no> <Bank_no> [{ TABLE_tcam_bank_stats <Used> <Free> <Percent_Util> <Timestamp> }] }] [{ TABLE_global_configs <Atomic_Update> <Bank_Chain_Mode> <Dynamic_Bank_Mapping> <LOU_Threshold_Value> }] [{ TABLE_fib_resource <Class> [{ TABLE_fib_stats <Used_Entries> <Max_Entries> <Percent_Util> <Timestamp> }] }]]

- OLD: show icam scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf] } | { vxlan [test] } }] [history <num_intervals> | utilization | thresholds] [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> <Verified_Scale> <Config_Scale> [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] [<Thres_Exceeded> <Polled_TS>] [<Avg_Util>] [<Week_Util> <Week_TS>] [<Peak_Util> <Peak_TS>] [<Info_Thres_Exceed> <Info_Thres_Exceed_TS> <Warn_Thres_Exceed> <Warn_Thres_Exceed_TS> <Crit_Thres_Exceed> <Crit_Thres_Exceed_TS>] }] }] }]]

- NEW: show icam scale [{ { l2-switching [mac-addresses | mst-instances | mst-vports | rpvst-vports | rpvst-vlans | total-vlans-x-ports | vlans | infra { mac } | stp { mst-instance | mst-vport | rpvst-vport | rpvst-vlan | isolated-portvlan } | vlan { vlan-count }] } | { multicast-routing [multicast-routes | igmp-groups | pim-neighbors | outgoing-interfaces | routing-forwarding { route-v4 | route-v6 | outgoing-interface } | igmp { group } | pim { neighbor }] } | { unicast-routing [bfd-sessions | eigrp-routes | ipv4-arp | ipv4-host-routes | ipv6-host-routes | ipv4-isis-routes | ospf-nbr | ospf-lsa | ospf-area | ospf-vrf | ospf-passive-intf | bfd { session } | bgp { neighbor } | eigrp { route | neighbor } | hsrp { mac } | arp { arp-count } | ipv6-nd { nd-count } | routing { host-route-v4 | host-route-v6 | lpm-route-v4 | lpm-route-v6 } | isis { adjacency | bfd-session | route } | ospf { neighbor | lsa | area } | vrf { vrf-count } | vrrp { grp-per-intf } | pbr { seq-per-policy | nh-per-policy | ace-v4 | ace-v6 | ace-v4v6 | intf } | vrrp3 { grp-per-intf | grp-dft-timer | grp-relax-timer | path-dft-timer | grp-and-path }] } | { vxlan [igmp { vlan | vtep | underlay-mcast-group } | fl { vni | underlay-mcast-group | total-mac | vtep | ir-peer | ir-vni | ir-mac | vlan-mapping-under-intf | vlan-mapping-in-switch | static-mac-to-vtep | vlan-logical-port-vp | vlan-per-fex-port | vni-for-vpc-gw | igmp-group } | bgp { vni | svi | vrf | underlay-mcast-group | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group } | bgp-ir { vni | svi | vrf | vtep | mac | host-route-v4 | host-route-v6 | overlay-lpm-route-v4 | overlay-lpm-route-v6 | vlan-logical-port-vp | vlan-per-fex-port | igmp-group }] } }] [history <num_intervals> [sort { current-scale [ascending | descending] | polled-timestamp [newest | oldest] }] | utilization | thresholds] [__readonly__ [<Info_Thres> <Warn_Thres> <Crit_Thres>] [{ TABLE_technology <Technology> [{ TABLE_feature <Feature> [<Instance>] [<Verified_Scale> <Config_Scale>] [{ TABLE_feature_stats <Used_Entries> [<Cur_Util>] [<Thres_Exceeded> <Polled_TS>] [<Avg_Util>] [<Week_Util> <Week_TS>] [<Peak_Util> <Peak_TS>] [<Info_Thres_Exceed> <Info_Thres_Exceed_TS> <Warn_Thres_Exceed> <Warn_Thres_Exceed_TS> <Crit_Thres_Exceed> <Crit_Thres_Exceed_TS>] }] }] }]]

- OLD: show ip sla configuration [<entry-num>] [__readonly__ { TABLE_configuration [<index>] [<owner>] [<tag>] [<timeout>] [<oper-type>] [<dest-ip>] [<source-int>] [<source-ip>] [<dest-port>] [<source-port>] [<dns-source-port>] [<traffic-class>] [<tos>] [<dns-name-server>] [<flow-label>] [<data-pattern>] [<switch-id>] [<profile-id>] [<interface>] [<packet-size>] [<packet-interval>] [<num-packets>] [<codec-type>] [<codec-num-packets>] [<codec-packet-size>] [<codec-packet-interval>] [<codec-adv-factor>] [<verify-data>] [<precision>] [<packet-priority>

] [<ntp-sync-tolerance>] [<ntp-sync-toltype>] [<vrf-name>] [<control-enabled>] [<http-oper>] [<http-version>] [<url>] [<proxy>] [<raw-strings>] [<cache-control>] [<http-vrf-name>] [<http-owner>] [<http-tag>] [<http-timeout>] [<frequency>] [<secondary-freq-timeout>] [<secondary-freq-loss>] [<next-start-time>] [<group-scheduled>] [<randomly-scheduled>] [<low-frequency>] [<high-frequency>] [<life>] [<ageout>] [<recurring>] [<status-of-entry>] [<threshold>] [<hours>] [<buckets>] [<interval>] [<einterval>] [<ebuckets>] [<lives>] [<hsbuckets>] [<filter>] }]

- NEW: show ip sla configuration [<entry-num>] [__readonly__ { TABLE_configuration [<index>] [<owner>] [<tag>] [<timeout>] [<oper-type>] [<dest-ip>] [<source-int>] [<source-ip>] [<dest-port>] [<source-port>] [<dns-source-port>] [<traffic-class>] [<tos>] [<dns-name-server>] [<flow-label>] [<switch-id>] [<profile-id>] [<interface>] [<packet-size>] [<packet-interval>] [<num-packets>] [<codec-type>] [<codec-num-packets>] [<codec-packet-size>] [<codec-packet-interval>] [<codec-adv-factor>] [<verify-data>] [<data-pattern>] [<precision>] [<packet-priority>] [<ntp-sync-tolerance>] [<ntp-sync-toltype>] [<vrf-name>] [<control-enabled>] [<http-oper>] [<http-version>] [<url>] [<proxy>] [<raw-strings>] [<cache-control>] [<http-vrf-name>] [<http-owner>] [<http-tag>] [<http-timeout>] [<frequency>] [<secondary-freq-timeout>] [<secondary-freq-loss>] [<next-start-time>] [<group-scheduled>] [<randomly-scheduled>] [<low-frequency>] [<high-frequency>] [<life>] [<ageout>] [<recurring>] [<status-of-entry>] [<threshold>] [<hours>] [<buckets>] [<interval>] [<einterval>] [<ebuckets>] [<lives>] [<hsbuckets>] [<filter>] }]

- OLD: show ipv6 pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [<uptime>] [<reg-sent>] [<reg-rcvd>] [<null-reg-sent>] [<null-reg-rcvd>] [<reg-stop-sent>] [<reg-stop-rcvd>] [<reg-rcvd-not-rp>] [<reg-rcvd-for-ssm>] [<reg-rcvd-for-bidir>] [<bootstrap-sent>] [<bootstrap-rcvd>] [<cand-rp-sent>] [<cand-rp-rcvd>] [<bs-no-nbr>] [<bs-border-deny>] [<bs-len-errors>] [<bs-rpf-failed>] [<bs-no-listen>] [<candrp-border-deny>] [<candrp-no-listen>] [<ctrl-no-route>] [<data-no-route>] [<no-state>] [<create-state>]]

- NEW: show ipv6 pim statistics [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ [TABLE_context [<out-context>] [<uptime>] [<reg-sent>] [<reg-rcvd>] [<null-reg-sent>] [<null-reg-rcvd>] [<reg-stop-sent>] [<reg-stop-rcvd>] [<reg-rcvd-not-rp>] [<reg-rcvd-for-ssm>] [<reg-rcvd-for-bidir>] [<bootstrap-sent>] [<bootstrap-rcvd>] [<cand-rp-sent>] [<cand-rp-rcvd>] [<bs-no-nbr>] [<bs-border-deny>] [<bs-len-errors>] [<bs-rpf-failed>] [<bs-no-listen>] [<candrp-border-deny>] [<candrp-no-listen>] [<ctrl-no-route>] [<data-no-route>] [<no-state>] [<create-state>]]]

- OLD: show ipv6 pim vrf [{ <vrf-name> | <vrf-known-name> | all }] [detail] [__readonly__ TABLE_context [<out-context>] [<context-id>] [<count>] [<table-id>]]

- NEW: show ipv6 pim vrf [{ <vrf-name> | <vrf-known-name> | all }] [detail] [__readonly__ [TABLE_context [<out-context>] [<context-id>] [<count>] [<bfd-enabled>] [<table-id>] [<state-limit>] [<available-states>] [<reserved-limit>] [<available-reserved>] [<reserve-policy>] [<register-rate-limit-pps>] [<shared-tree-route-map>] [TABLE_RANGE [<shared-tree-ranges>]]]]

- OLD: show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] traffic [<interface>] [mbuf-priority] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> { TABLE_vrf <vrf-name-out> <traffic-if-out> [<traffic-if-name-out>] <traffic-lan-iih-out> <traffic-lan-iih-rcv-out> <traffic-lan-iih-xmit-out> <traffic-lan-iih-rcv-auth-err-out> <traffic-lan-iih-rcv-err-out> <traffic-p2p-iih-out> <traffic-p2p-iih-rcv-out> <traffic-p2p-iih-xmit-out> <traffic-p2p-iih-rcv-auth-err-out> <traffic-p2p-iih-rcv-err-out> <traffic-csnp-out> <traffic-csnp-rcv-out>

<traffic-csnp-xmit-out> <traffic-csnp-rcv-auth-err-out> <traffic-csnp-rcv-err-out> <traffic-psnp-out> <traffic-psnp-rcv-out> <traffic-psnp-xmit-out> <traffic-psnp-rcv-auth-err-out> <traffic-psnp-rcv-err-out> <traffic-lsp-out> <traffic-lsp-rcv-out> <traffic-lsp-flood-out> <traffic-lsp-rcv-auth-err-out> <traffic-lsp-rcv-err-out> <traffic-lsp-rexmit-out> [<traffic-xmit-err-out>] [<traffic-unknown-pdu-rcv-out>] } }]

- NEW: show isis [<isis-tag>] [vrf { <vrf-name> | <vrf-known-name> | all }] traffic [<interface>] [interfaces] [mbuf-priority] [vrf { <vrf-name> | <vrf-known-name> | all }] [__readonly__ { TABLE_process_tag <process-tag-out> [{ TABLE_vrf [<vrf-name-out>] [{ TABLE_interface [<traffic-if-name-out>] [<traffic-lan-iih-out>] [<traffic-lan-iih-rcv-out>] [<traffic-lan-iih-xmit-out>] [<traffic-lan-iih-rcv-auth-err-out>] [<traffic-lan-iih-rcv-err-out>] [<traffic-p2p-iih-out>] [<traffic-p2p-iih-rcv-out>] [<traffic-p2p-iih-xmit-out>] [<traffic-p2p-iih-rcv-auth-err-out>] [<traffic-p2p-iih-rcv-err-out>] [<traffic-csnp-out>] [<traffic-csnp-rcv-out>] [<traffic-csnp-xmit-out>] [<traffic-csnp-rcv-auth-err-out>] [<traffic-csnp-rcv-err-out>] [<traffic-psnp-out>] [<traffic-psnp-rcv-out>] [<traffic-psnp-xmit-out>] [<traffic-psnp-rcv-auth-err-out>] [<traffic-psnp-rcv-err-out>] [<traffic-lsp-out>] [<traffic-lsp-rcv-out>] [<traffic-lsp-flood-out>] [<traffic-lsp-rcv-auth-err-out>] [<traffic-lsp-rcv-err-out>] [<traffic-lsp-rexmit-out>] [<traffic-xmit-err-out>] [<traffic-unknown-pdu-rcv-out>] }] [<traffic-lan-iih-out>] [<traffic-lan-iih-rcv-out>] [<traffic-lan-iih-xmit-out>] [<traffic-lan-iih-rcv-auth-err-out>] [<traffic-lan-iih-rcv-err-out>] [<traffic-p2p-iih-out>] [<traffic-p2p-iih-rcv-out>] [<traffic-p2p-iih-xmit-out>] [<traffic-p2p-iih-rcv-auth-err-out>] [<traffic-p2p-iih-rcv-err-out>] [<traffic-csnp-out>] [<traffic-csnp-rcv-out>] [<traffic-csnp-xmit-out>] [<traffic-csnp-rcv-auth-err-out>] [<traffic-csnp-rcv-err-out>] [<traffic-psnp-out>] [<traffic-psnp-rcv-out>] [<traffic-psnp-xmit-out>] [<traffic-psnp-rcv-auth-err-out>] [<traffic-psnp-rcv-err-out>] [<traffic-lsp-out>] [<traffic-lsp-rcv-out>] [<traffic-lsp-flood-out>] [<traffic-lsp-rcv-auth-err-out>] [<traffic-lsp-rcv-err-out>] [<traffic-lsp-rexmit-out>] [<traffic-xmit-err-out>] [<traffic-unknown-pdu-rcv-out>] }] }]

- OLD: show lacp counters [interface <if0>] [__readonly__ TABLE_interface <interface> TABLE_member <port> <pdus-sent> <pdus-rcvd> <marker-rcvd> <marker-resp-sent> <pkt-errors> [<illegal-rcvd>] [<unknown-rcvd>]]
- NEW: show lacp counters [interface <if0>] [detail] [__readonly__ TABLE_interface <interface> TABLE_member <port> <pdus-sent> <pdus-rcvd> <marker-rcvd> <marker-resp-sent> [<marker-sent>] [<marker-resp-rcvd>] <pkt-errors> [<pdu-timeout-count>] [<flap-count>] [<illegal-rcvd>] [<unknown-rcvd>]]
- OLD: show lldp traffic [__readonly__ <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>]
- NEW: show lldp traffic [__readonly__ <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt>]
- OLD: show lldp traffic interface <if> [__readonly__ <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv>]
- NEW: show lldp traffic interface <if> [__readonly__ <interface> <tx_cnt> <aged_cnt> <rx_cnt> <rx_err> <disc_cnt> <unrecognized_tlv> <flap_cnt>]
- OLD: show system internal flash [__readonly__ TABLE_flash <Mounted-on> <1K-blocks> <used> <Available> <Use-percent> <Filesystem>]
- NEW: show system internal flash [__readonly__ TABLE_flash <Mounted-on> <OneK-blocks> <used> <Available> <Use-percent> <Filesystem>]

- OLD: show telemetry control { database [subscriptions | destination-groups | destinations | sensor-paths | sensor-groups] | stats } [__readonly__ [<subscription_db_size>] [{ TABLE_subscriptions <subscription_id> <data_collector_type> }] [<sensor_grp_db_size>] [{ TABLE_sensor_grp <snsr_grp_row_idx> <snsr_grp_id> <snsr_grp_type> <snsr_grp_collector_type> <snsr_grp_timer_interval> <snsr_grp_timer_status> <snsr_grp_sub_count> <snsr_grp_sub_id> <snsr_grp_dc_cur_time> <snsr_grp_dc_min_time> <snsr_grp_dc_max_time> <snsr_grp_enc_cur_time> <snsr_grp_enc_min_time> <snsr_grp_enc_max_time> <snsr_grp_trans_cur_time> <snsr_grp_trans_min_time> <snsr_grp_trans_max_time> <snsr_grp_stream_cur_time> <snsr_grp_stream_min_time> <snsr_grp_stream_max_time> <snsr_grp_stream_col_id_drop> <snsr_grp_stream_last_col_id_drop> <snsr_grp_stream_col_drop> }] [<sensor_path_db_size>] [{ TABLE_sensor_path <path_row_idx> <path_subscribed> <path_group_count> <path_secondary_group_count> <path_level> <path_name> <path_grp_id> <path_query_condition> <path_filter_condition> <path_gpb_cur_enc_size> <path_gpb_min_enc_size> <path_gpb_max_enc_size> <path_json_cur_enc_size> <path_json_min_enc_size> <path_json_max_enc_size> }] [<destination_group_db_size>] [<destination_group_use_vrf>] [{ TABLE_destination_group <destination_group_id> <destination_group_refcount> }] [<destination_db_size>] [{ TABLE_destinations <destination_ip> <destination_port> <destination_encoding> <destination_transport> <destination_refcount> }] [db_statistics <chunk_alloc_fail> <sensor_path_chunk_create_fail> <sensor_group_chunk_create_fail> <destination_chunk_create_fail> <destination_group_chunk_create_fail> <subscription_chunk_create_fail> <sensor_path_db_create_fail> <sensor_group_db_create_fail> <destination_db_create_fail> <destination_group_db_create_fail> <subscription_db_create_fail> <sensor_path_db_insert_fail> <sensor_group_db_insert_fail> <destination_db_insert_fail> <destination_group_db_insert_fail> <subscription_db_insert_fail> <sensor_path_db_delete_fail> <sensor_group_db_delete_fail> <destination_db_delete_fail> <destination_group_db_delete_fail> <subscription_db_delete_fail> <sensor_path_delete_in_use> <sensor_group_delete_in_use> <destination_delete_in_use> <destination_group_delete_in_use> <delete_destination_in_use_fail> <sensor_path_sensor_group_list_create_fail> <sensor_path_prop_list_create_fail> <sensor_path_secondary_sensor_path_list_create_fail> <sensor_path_secondary_sensor_group_list_create_fail> <sensor_group_sensor_path_list_create_fail> <sensor_group_subscription_list_create_fail> <destination_group_subscription_list_create_fail> <destination_group_destination_list_create_fail> <destination_destination_group_list_create_fail> <subscription_sensor_group_list_create_fail> <subscription_destination_group_list_create_fail> <sensor_group_sensor_path_list_delete_fail> <sensor_group_subscription_list_delete_fail> <sensor_group_subscription_unsupported_data_source_fail> <destination_group_subscription_list_delete_fail> <destination_group_destination_list_delete_fail> <subscription_sensor_group_list_delete_fail> <subscription_destination_group_list_delete_fail> <destination_destination_group_list_delete_fail> <destination_delete_from_destination_group_fail> <destination_group_delete_from_subscription_fail> <sensor_group_delete_from_subscription_fail> <sensor_path_delete_from_sensor_group_fail> <get_encode_cb_fail> <get_transport_cb_fail>]]
- NEW: show telemetry control { database [subscriptions | destination-groups | destinations | sensor-paths | sensor-groups] | stats } [__readonly__ [<subscription_db_size>] [{ TABLE_subscriptions <subscription_id> <data_collector_type> }] [<sensor_grp_db_size>] [{ TABLE_sensor_grp <snsr_grp_row_idx> <snsr_grp_id> <snsr_grp_type> <snsr_grp_collector_type> <snsr_grp_timer_interval> <snsr_grp_timer_status> <snsr_grp_sub_count> <snsr_grp_sub_id> <snsr_grp_dc_cur_time> <snsr_grp_dc_min_time> <snsr_grp_dc_max_time> <snsr_grp_enc_cur_time> <snsr_grp_enc_min_time> <snsr_grp_enc_max_time> <snsr_grp_trans_cur_time> <snsr_grp_trans_min_time> <snsr_grp_trans_max_time> <snsr_grp_stream_cur_time> <snsr_grp_stream_min_time> <snsr_grp_stream_max_time> <snsr_grp_stream_col_id_drop> <snsr_grp_stream_last_col_id_drop> <snsr_grp_stream_col_drop> }] [<sensor_path_db_size>] [{ TABLE_sensor_path <path_row_idx> <path_subscribed> <path_group_count> <path_secondary_group_count> <path_level> <path_name> <path_grp_id> <path_query_condition>

<path_filter_condition> <path_gpb_cur_enc_size> <path_gpb_min_enc_size> <path_gpb_max_enc_size> <path_json_cur_enc_size> <path_json_min_enc_size> <path_json_max_enc_size> <path_dc_cur_time> <path_dc_min_time> <path_dc_max_time> <path_enc_cur_time> <path_enc_min_time> <path_enc_max_time> <path_trans_cur_time> <path_trans_min_time> <path_trans_max_time> <path_stream_cur_time> <path_stream_min_time> <path_stream_max_time> }] [<destination_group_db_size>] [<destination_group_use_vrf>] [{ TABLE_destination_group <destination_group_id> <destination_group_refcount> }] [<destination_db_size>] [{ TABLE_destinations <destination_ip> <destination_port> <destination_encoding> <destination_transport> <destination_refcount> }] [db_statistics <chunk_alloc_fail> <sensor_path_chunk_create_fail> <sensor_group_chunk_create_fail> <destination_chunk_create_fail> <destination_group_chunk_create_fail> <subscription_chunk_create_fail> <sensor_path_db_create_fail> <sensor_group_db_create_fail> <destination_db_create_fail> <destination_group_db_create_fail> <subscription_db_create_fail> <sensor_path_db_insert_fail> <sensor_group_db_insert_fail> <destination_db_insert_fail> <destination_group_db_insert_fail> <subscription_db_insert_fail> <sensor_path_db_delete_fail> <sensor_group_db_delete_fail> <destination_db_delete_fail> <destination_group_db_delete_fail> <subscription_db_delete_fail> <sensor_path_delete_in_use> <sensor_group_delete_in_use> <destination_delete_in_use> <destination_group_delete_in_use> <delete_destination_in_use_fail> <sensor_path_sensor_group_list_create_fail> <sensor_path_prop_list_create_fail> <sensor_path_secondary_sensor_path_list_create_fail> <sensor_path_secondary_sensor_group_list_create_fail> <sensor_group_sensor_path_list_create_fail> <sensor_group_subscription_list_create_fail> <destination_group_subscription_list_create_fail> <destination_group_destination_list_create_fail> <destination_destination_group_list_create_fail> <subscription_sensor_group_list_create_fail> <subscription_destination_group_list_create_fail> <sensor_group_sensor_path_list_delete_fail> <sensor_group_subscription_list_delete_fail> <sensor_group_subscription_unsupported_data_source_fail> <destination_group_subscription_list_delete_fail> <destination_group_destination_list_delete_fail> <subscription_sensor_group_list_delete_fail> <subscription_destination_group_list_delete_fail> <destination_destination_group_list_delete_fail> <destination_delete_from_destination_group_fail> <destination_group_delete_from_subscription_fail> <sensor_group_delete_from_subscription_fail> <sensor_path_delete_from_sensor_group_fail> <get_encode_cb_fail> <get_transport_cb_fail>]]

- OLD: test forwarding [ip | ipv4] [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding [ip | ipv4] [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]
- NEW: test forwarding [ip | ipv4] [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding [ip | ipv4] [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]
- OLD: test forwarding ipv6 [unicast] inconsistency [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding ipv6 [unicast] [suppress_transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]
- NEW: test forwarding ipv6 [unicast] inconsistency [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop] | test consistency-checker forwarding ipv6 [unicast] [suppress-transient] [vrf { <vrf-name> | all_vrfs }] [module { <module> | all_modules }] [stop]

Deprecated Commands

The following commands are removed in this release.

-

PART III

XML Support

• Commands with XML/JSON Support, on page 3297

Commands with XML/JSON Support

- XML Support for Show Commands, on page 3298

XML Support for Show Commands

Table 1:

Show Commands	XML Support
show aaa accounting	yes
show aaa authentication	yes
show aaa authentication login	yes
show aaa authentication login ascii-authentication	yes
show aaa authentication login error-enable	yes
show aaa authentication login invalid-username-log	yes
show aaa authentication login password-aging	yes
show aaa authorization	yes
show aaa bypass-user	yes
show aaa groups	yes
show aaa local user blocked	yes
show aaa user default-role	yes
show access-list	yes
show access-list database	yes
show access-list resource	yes
show access-lists	yes
show accounting log	yes
show accounting log all	yes
show accounting log last-index	yes
show accounting log nvram	yes
show accounting log nvram last-index	yes
show accounting log nvram start-seqnum	yes
show accounting log start-seqnum	yes
show acl status	yes
show amt process	yes

Show Commands	XML Support
show amt vrf all	yes
show archive log config	yes
show arp access-lists	yes
show background	no
show banner exec	no
show banner motd	yes
show bash-shell	yes
show bfd addrmap	yes
show bfd clients	yes
show bfd discrmap	yes
show bfd intfipmap	yes
show bfd neighbors	yes
show bfd scalar	yes
show bfd session	yes
show bfd-app session status	no
show bgp	no
show bgp	yes
show bgp bmp server	yes
show bgp community	yes
show bgp convergence	yes
show bgp convergence private	no
show bgp dampening dampened	yes
show bgp dampening flap-statistics	yes
show bgp dampening parameters	yes
show bgp default-info	no
show bgp event-history	no
show bgp evi	yes
show bgp extcommunity	yes

Show Commands	XML Support
show bgp l3vpn	yes
show bgp neighbors	yes
show bgp neighbors commands	yes
show bgp neighbors flap-statistics	yes
show bgp neighbors paths	yes
show bgp paths	yes
show bgp peer	yes
show bgp peer-template	yes
show bgp prefix-list	yes
show bgp private	no
show bgp private attr	no
show bgp private damp	no
show bgp private debug history	no
show bgp process	yes
show bgp received-paths	yes
show bgp regexp	yes
show bgp self-originated	yes
show bgp sessions	yes
show bgp statistics	yes
show bgp summary	yes
show boot	yes
show boot auto-copy	yes
show boot auto-copy list	yes
show boot autocopy-status	no
show boot current	yes
show boot mode	yes
show boot order	yes
show boot sup-1	yes

Show Commands	XML Support
show boot sup-2	yes
show boot timings	no
show boot variables	yes
show bootmode	yes
show buffers ip	no
show callhome	yes
show callhome destination-profile	yes
show callhome destination-profile profile	yes
show callhome destination-profile profile CiscoTAC-1	yes
show callhome destination-profile profile full-txt-destination	yes
show callhome destination-profile profile short-txt-destination	yes
show callhome transport	yes
show callhome transport-email	yes
show callhome user-def-cmds	yes
show catena	yes
show catena analytics	yes
show cdp	yes
show cdp all	yes
show cdp global	yes
show cdp neighbors	yes
show cdp neighbors detail	yes
show cdp traffic interface2	yes
show cfs application	yes
show cfs lock	yes
show cfs merge status	yes
show cfs peers	yes
show cfs regions	yes
show cfs remote-app vsan domain	no

Show Commands	XML Support
show cfs remote-switches vsan	yes
show cfs static peers	no
show cfs status	yes
show chassis-family	no
show checkpoint	yes
show checkpoint summary	yes
show class-map	yes
show class-map type control-plane	yes
show class-map type network-qos	yes
show class-map type psp	yes
show cli alias	yes
show cli dynamic integers	yes
show cli dynamic strings	yes
show cli dynamic-cmd	no
show cli history	no
show cli interface table	no
show cli list	no
show cli registry	no
show cli syntax	no
show cli variables	yes
show clock	yes
show clock utc	no
show config-profile	yes
show config-profile applied	yes
show config-replace log exec	yes
show config-replace status	yes
show config-template	yes
show configuration session	yes

Show Commands	XML Support
show configuration session global-info	yes
show configuration session nx-api rest	no
show configuration session nx-yang json	no
show configuration session status	yes
show configuration session summary	yes
show configuration session vsh	yes
show consistency-checker copp	no
show consistency-checker dme	no
show consistency-checker egress-xlate private-vlan	no
show consistency-checker fex-interfaces fex	no
show consistency-checker forwarding ipv6 show forwarding ipv6 inconsistency	yes
show consistency-checker forwarding recover	no
show consistency-checker forwarding show forwarding inconsistency	yes
show consistency-checker forwarding single-route ipv4 vrf	no
show consistency-checker l2 multicast group source vlan	no
show consistency-checker l2-tahoe module	no
show consistency-checker l2-tahoe switchport interface	no
show consistency-checker l3 multicast group source vrf	no
show consistency-checker l3-interface module	no
show consistency-checker link-state fabric-ieth	no
show consistency-checker link-state module	no
show consistency-checker membership port-channels	no
show consistency-checker membership vlan	no
show consistency-checker nxapi interface	no
show consistency-checker pacl module	no
show consistency-checker pacl port-channels	no
show consistency-checker port-security	no
show consistency-checker qinq	no

Show Commands	XML Support
show consistency-checker qinvni	no
show consistency-checker racl module	no
show consistency-checker racl port-channels	no
show consistency-checker storm-control	no
show consistency-checker stp-state vlan	no
show consistency-checker vacl	no
show consistency-checker vpc	no
show consistency-checker vxlan bgp	no
show consistency-checker vxlan config-check	no
show consistency-checker vxlan flood_list	no
show consistency-checker vxlan interface	no
show consistency-checker vxlan l3-route vrf	no
show consistency-checker vxlan mh mac-addresses	no
show consistency-checker vxlan mh pathlist	no
show consistency-checker vxlan peers	no
show consistency-checker vxlan pv	no
show consistency-checker vxlan qinq-qinvni	no
show consistency-checker vxlan routes	no
show consistency-checker vxlan selective-qinvni	no
show consistency-checker vxlan selective-qinvni interface	no
show consistency-checker vxlan unicast-nve-peers	no
show consistency-checker vxlan vlan	no
show consistency-checker vxlan xconnect	no
show controller accounting log	no
show copp diff profile profile2	no
show copp profile	yes
show copp status	yes
show copyright	yes

Show Commands	XML Support
show cores	yes
show crypto ca certificates	yes
show crypto ca certstore	yes
show crypto ca crl	yes
show crypto ca remote-certstore	yes
show crypto ca trustpoints	yes
show crypto ca trustpool	yes
show crypto ca trustpool last download status	yes
show crypto ca trustpool policy	yes
show crypto certificatemap	yes
show crypto key mypubkey rsa	yes
show crypto ssh-auth-map	no
show crypto ssh-auth-map	yes
show cts	yes
show current	no
show dampening interface	no
show diagnostic bootup level	yes
show diagnostic content module	yes
show diagnostic description module test all	yes
show diagnostic events	yes
show diagnostic ondemand setting	yes
show diagnostic result module	yes
show diagnostic result module all	yes
show diagnostic simulation module	yes
show diagnostic status module	yes
show diff rollback-patch	yes
show dot1q-tunnel	yes
show dot1q-tunnel interface	yes

Show Commands	XML Support
show dot1x	yes
show ecp	yes
show elam report	no
show email	yes
show encryption service stat	yes
show environment	yes
show eol status	no
show errdisable detect	yes
show errdisable flap	no
show evb	yes
show evb hosts	yes
show evb interface	no
show evb vsi	yes
show event manager environment	yes
show event manager event-types	yes
show event manager events action-log	yes
show event manager history events	yes
show event manager policy-state	yes
show event manager script system	yes
show event manager system-policy	yes
show event-history	no
show event-history xbar	no
show fabric database dci	no
show fabric database dci	yes
show fabric database host	yes
show fabric database host statistics	yes
show fabric database host summary	yes
show fabric database host temp	no

Show Commands	XML Support
show fabric database profile-map	yes
show fabric database static-host	yes
show fabric database statistics	yes
show fabric forwarding host-db	yes
show fabric forwarding ip local	yes
show fabric forwarding ipv6 local	yes
show fabric multicast	yes
show fabric multicast event-history	no
show fabric multicast globals	yes
show fabric multicast ipv4 l2 vni	yes
show fabric multicast ipv4 rp	no
show fabric multicast statistics	no
show fabric multicast trigger-bgp-update vnid source group nlri-origin	no
show fabric multicast trigger-isis-update nh-addr swid	no
show fabric multicast trigger-m6rib-update vrf source group	no
show fabric multicast vrf	yes
show fabricpath conflict	yes
show fabricpath counters dropped	yes
show fabricpath isis	yes
show fabricpath isis adjacency	yes
show fabricpath isis database	yes
show fabricpath isis ftag	yes
show fabricpath isis hostname	yes
show fabricpath isis interface	yes
show fabricpath isis ip mroute	yes
show fabricpath isis ip redistribute mroute	yes
show fabricpath isis ip redistribute route show fabricpath isis ipv6 redistribute route	no
show fabricpath isis ip route show fabricpath isis ipv6 route	no

Show Commands	XML Support
show fabricpath isis ipv6 mroute	yes
show fabricpath isis ipv6 redistribute mroute	yes
show fabricpath isis mac mroute	yes
show fabricpath isis mac redistribute mroute	yes
show fabricpath isis mesh-group	yes
show fabricpath isis route	yes
show fabricpath isis rrm	yes
show fabricpath isis spf-log	yes
show fabricpath isis srm	yes
show fabricpath isis ssn	yes
show fabricpath isis statistics	yes
show fabricpath isis switch-id	yes
show fabricpath isis topology	yes
show fabricpath isis traffic	yes
show fabricpath isis trees	yes
show fabricpath isis vlan-range	yes
show fabricpath load-balance	yes
show fabricpath load-balance multicast ftag-selected flow-type vlan module	yes
show fabricpath load-balance unicast forwarding-path ftag switchid flow-type module	yes
show fabricpath switch	yes
show fabricpath switch-id local	yes
show fabricpath system-id	yes
show fabricpath timers	yes
show fabricpath topology	yes
show fabricpath topology ftag	yes
show fabricpath topology interface	yes
show fabricpath topology interface vlan	yes
show fabricpath topology vlan	yes

Show Commands	XML Support
show fabricpath topology-id	yes
show fc2 bind	yes
show fc2 classf	yes
show fc2 exchange	yes
show fc2 exchresp	yes
show fc2 flogi	yes
show fc2 nport	yes
show fc2 plogi	yes
show fc2 plogi_pwwn	yes
show fc2 port brief	yes
show fc2 port drops	yes
show fc2 port state	yes
show fc2 socket	yes
show fc2 sockexch	yes
show fc2 socknotify	yes
show fc2 socknport	yes
show fc2 vsan	yes
show fcdroplatency	yes
show fcoe	yes
show fcoe database	yes
show fcoe-npv issu-impact	yes
show fctimer	yes
show fctimer D_S_TOV	yes
show fctimer distribution status	no
show fctimer E_D_TOV	yes
show fctimer F_S_TOV	yes
show fctimer last action status	yes
show fctimer pending	yes

Show Commands	XML Support
show fctimer pending-diff	yes
show fctimer R_A_TOV	yes
show fctimer session status	yes
show fctimer session-status	no
show fctimer status	yes
show fctimer vsan	yes
show feature	yes
show feature-set	yes
show feature-set services	yes
show fhrp	yes
show fhrp verbose	yes
show file	yes
show fips status	yes
show flow cache	yes
show flow exporter	yes
show flow glbl-pkt-cnt	no
show flow interface	yes
show flow monitor	yes
show flow record	yes
show flow sw-monitor	no
show flow timeout	yes
show flow tracer	no
show forwarding	no
show forwarding adjacency	yes
show forwarding bypass-hardware	no
show forwarding capture	yes
show forwarding distribution capture	yes
show forwarding distribution clients	yes

Show Commands	XML Support
show forwarding distribution fib-state	yes
show forwarding distribution ip igmp snooping	yes
show forwarding distribution ipv6 multicast route	yes
show forwarding distribution l2 multicast	yes
show forwarding distribution lisp counters	yes
show forwarding distribution lisp vrf enabled	yes
show forwarding distribution logging	no
show forwarding distribution multicast	yes
show forwarding distribution multicast client	yes
show forwarding distribution multicast client-ack-db	yes
show forwarding distribution multicast download	no
show forwarding distribution multicast mfib	yes
show forwarding distribution multicast outgoing-interface-list	yes
show forwarding distribution multicast resp-ack-timer-msgs	no
show forwarding distribution multicast route	yes
show forwarding distribution nve overlay-vlan	yes
show forwarding distribution pauz	no
show forwarding distribution peer-id	yes
show forwarding distribution test on	no
show forwarding distribution trace	no
show forwarding dvif primary	no
show forwarding dvif secondary	no
show forwarding ecmp	yes
show forwarding ecmp recursive	yes
show forwarding file-log disable	no
show forwarding file-log enable	no
show forwarding interfaces	yes
show forwarding ipv6 adjacency	yes

Show Commands	XML Support
show forwarding ipv6 multicast route	yes
show forwarding ipv6 pss route	no
show forwarding ipv6 route	yes
show forwarding kvfib cache on	no
show forwarding l2 multicast	yes
show forwarding l2vpn ipv6 multicast route	no
show forwarding l2vpn label vpls	yes
show forwarding l2vpn label xconnect	yes
show forwarding l2vpn multicast outgoing-interface-list	no
show forwarding l2vpn multicast route	no
show forwarding l2vpn service vpls	no
show forwarding l2vpn service xconnect	no
show forwarding l2vpn vlan	yes
show forwarding mpls	yes
show forwarding mpls aggregate	yes
show forwarding mpls cbts	yes
show forwarding mpls drop-stats	yes
show forwarding mpls ecmp	yes
show forwarding mpls option_b	yes
show forwarding mpls srte module	yes
show forwarding mpls summary	yes
show forwarding mpls te	yes
show forwarding multicast outgoing-interface-list	yes
show forwarding multicast route	yes
show forwarding multicast-sr loopback interface	no
show forwarding nve l2 ingress-replication-peers	yes
show forwarding nve l3 adjacency tunnel	yes
show forwarding nve l3 ecmp	no

Show Commands	XML Support
show forwarding nve l3 peers	yes
show forwarding nve underlay-interfaces	no
show forwarding otv	yes
show forwarding pss route	no
show forwarding restart	no
show forwarding security group-tag	yes
show forwarding security mac	yes
show forwarding test on	no
show forwarding trace	yes
show forwarding trace profile	no
show forwarding trace profile funcstats	yes
show fte event	yes
show fte exporter	yes
show fte monitor	yes
show fte record	yes
show guestshell	yes
show hardware	yes
show hardware access-list lou resource threshold	yes
show hardware access-list resource pooling	yes
show hardware access-list tcam	yes
show hardware capacity	no
show hardware capacity eobc	yes
show hardware capacity fabric-utilization	yes
show hardware capacity forwarding	no
show hardware capacity interface	yes
show hardware capacity module	yes
show hardware capacity power	yes
show hardware fabricpath mac-learning module	yes

Show Commands	XML Support
show hardware feature-capability	yes
show hardware flow aging	no
show hardware flow entry address type	no
show hardware flow ip	no
show hardware flow ipmac	no
show hardware flow ipv6	no
show hardware flow l2	no
show hardware flow mpls	no
show hardware flow sampler	no
show hardware flow utilization	no
show hardware forwarding interface statistics mode	yes
show hardware forwarding memory health detail	yes
show hardware forwarding memory health summary	yes
show hardware ip verify	yes
show hardware profile buffer monitor show hardware profile buffer monitor internal	yes
show hardware profile forwarding-mode	no
show hardware profile latency monitor sampling show hardware profile latency monitor	yes
show hardware profile module	no
show hardware profile status	yes
show hardware profile tcam region	yes
show hardware qos afd profile	yes
show hardware qos burst-detect max-records	yes
show hardware qos eoq stats-class	yes
show hardware qos include ipg	yes
show hardware qos ing-pg-hdrm-reserve	yes
show hardware qos ing-pg-no-min	yes
show hardware qos ing-pg-share	yes
show hardware qos min-buffer	yes

Show Commands	XML Support
show hardware qos ns-buffer-profile	yes
show hardware qos ns-mcq3-alias	yes
show hardware rate-limiter	yes
show hardware rate-limiter span-egress	yes
show hardware rl snmp class-id	yes
show hardware rl snmp global class-id	yes
show hardware rl snmp local snmp-index class-id	yes
show hostname	yes
show hosts	yes
show hsrp	yes
show hsrp anycast	no
show hsrp anycast interface vlan	no
show hsrp anycast remote-db	no
show hsrp anycast summary	no
show hsrp bfd-sessions	no
show hsrp bfd-sessions	yes
show hsrp delay	yes
show hsrp ext-mib sec-addr	yes
show hsrp ext-mib use-bia	yes
show hsrp mgo	yes
show hsrp summary	yes
show icam entries acl module inst	yes
show icam entries multicast module	yes
show icam prediction entries acl module inst	yes
show icam prediction entries multicast module	yes
show icam prediction resource acl_tcam module inst	yes
show icam prediction scale	yes
show icam resource acl_tcam module inst	yes

Show Commands	XML Support
show icam scale	yes
show ieth-header-decode	no
show imp client	no
show imp client sa	no
show inband-telemetry exporter	yes
show inband-telemetry flow-profile	yes
show inband-telemetry monitor	yes
show inband-telemetry queue-profile	yes
show inband-telemetry record	yes
show inband-telemetry sessions	yes
show inband-telemetry watchlist	yes
show incompatibility system	yes
show incompatibility-all system	yes
show install	yes
show install all failed-standby	yes
show install all failure-reason	yes
show install all impact	no
show install all impact epld	yes
show install all status	no
show install all time-stats	no
show install epld status	yes
show install impact	no
show install impact detail	no
show install log	yes
show install mode	yes
show install packages	yes
show install patches	yes
show interface	yes

Show Commands	XML Support
show interface aggregate-counters	yes
show interface bbcredit	yes
show interface brief	yes
show interface cable-diagnostics-tdr	yes
show interface capabilities	yes
show interface counters	yes
show interface counters brief	yes
show interface counters detailed	yes
show interface counters detailed all	no
show interface counters detailed all	yes
show interface counters detailed cached	yes
show interface counters details	yes
show interface counters errors	yes
show interface counters errors	no
show interface counters snmp	yes
show interface counters storm-control	yes
show interface counters table	no
show interface counters trunk	yes
show interface dampening	yes
show interface debounce	yes
show interface description	yes
show interface detail-counters	yes
show interface fcoe	yes
show interface fec	no
show interface flowcontrol	yes
show interface hardware-mappings	no
show interface mac-address	yes
show interface priority-flow-control	yes

Show Commands	XML Support
show interface private-vlan mapping	yes
show interface pruning	yes
show interface snmp-ifindex	yes
show interface status	yes
show interface status err-disabled	yes
show interface status err-vlans	yes
show interface switchport	yes
show interface switchport backup	yes
show interface transceiver	yes
show interface transceiver fex-fabric	yes
show interface transceiver inventory	no
show interface trunk	yes
show interface trunk vsan	no
show interface trunk vsan	yes
show interface untagged-cos	yes
show interface vlan mapping	yes
show inventory	yes
show ip adjacency	yes
show ip adjacency pt	no
show ip amt relay	yes
show ip amt route	yes
show ip amt tunnel	yes
show ip arp	yes
show ip arp anycast topo-info	yes
show ip arp cache	no
show ip arp client	yes
show ip arp controller-statistics	yes
show ip arp esi	yes

Show Commands	XML Support
show ip arp inspection	yes
show ip arp inspection interfaces	yes
show ip arp inspection log	yes
show ip arp inspection statistics	yes
show ip arp inspection vlan	yes
show ip arp multihoming-statistics	yes
show ip arp off-list	yes
show ip arp open-flow error-statistics	yes
show ip arp snmp pttree	no
show ip arp statistics	yes
show ip arp suppression topo-info	yes
show ip arp suppression-cache	yes
show ip arp tunnel-statistics	yes
show ip arp unnum-svi-adj	no
show ip arp vaddr	no
show ip arp vpc-statistics	yes
show ip as-path-access-list	yes
show ip cache	no
show ip client	yes
show ip community-list	yes
show ip debug	no
show ip dhcp global statistics	yes
show ip dhcp option82 suboption info interface	yes
show ip dhcp relay	yes
show ip dhcp relay address	yes
show ip dhcp relay information trusted-sources	yes
show ip dhcp relay statistics	yes
show ip dhcp snooping	yes

Show Commands	XML Support
show ip dhcp snooping binding	no
show ip dhcp snooping statistics	no
show ip dhcp status	yes
show ip dns source-interface	yes
show ip dns source-interface vrf all	yes
show ip eigrp	yes
show ip eigrp accounting	yes
show ip eigrp event	no
show ip eigrp event-history	no
show ip eigrp event-history bfd	no
show ip eigrp interfaces	yes
show ip eigrp metric	no
show ip eigrp route-map statistics	yes
show ip eigrp sia-event	no
show ip eigrp sia-statistics	no
show ip eigrp timers	no
show ip eigrp traffic	yes
show ip extcommunity-list	yes
show ip fib adjacency	yes
show ip fib distribution	no
show ip fib distribution capture	yes
show ip fib distribution clients	yes
show ip fib distribution mroute	yes
show ip fib distribution multicast	yes
show ip fib distribution multicast outgoing-interface-list	yes
show ip fib distribution state	yes
show ip fib interfaces	yes
show ip fib mroute	yes

Show Commands	XML Support
show ip fib mroute txlist	no
show ip fib route	yes
show ip fib route recovered	no
show ip ftm statistics	no
show ip ftp source-interface	yes
show ip ftp source-interface vrf all	yes
show ip http source-interface	yes
show ip http source-interface vrf all	yes
show ip igmp event-history	no
show ip igmp groups	yes
show ip igmp interface	yes
show ip igmp local-groups	yes
show ip igmp policy statistics reports	yes
show ip igmp snooping	yes
show ip igmp snooping event-history	no
show ip igmp snooping explicit-tracking	yes
show ip igmp snooping filter details	yes
show ip igmp snooping groups	yes
show ip igmp snooping lookup-mode	yes
show ip igmp snooping mac-oif	yes
show ip igmp snooping mrouter	yes
show ip igmp snooping pw vlan brief	yes
show ip igmp snooping querier	yes
show ip igmp snooping report statistics	yes
show ip igmp snooping snmp mib adminMode	yes
show ip igmp snooping snmp mib aliasingMode	yes
show ip igmp snooping snmp mib cisV3ProcessEnableOperStatus	yes
show ip igmp snooping snmp mib explicitTrackingTable	yes

Show Commands	XML Support
show ip igmp snooping snmp mib fallBackTime	yes
show ip igmp snooping snmp mib fastBlockEnabled	yes
show ip igmp snooping snmp mib fastleaveenabled	yes
show ip igmp snooping snmp mib filterStatsTable	yes
show ip igmp snooping snmp mib ifAccessGroupTable	yes
show ip igmp snooping snmp mib ifConfigTable	yes
show ip igmp snooping snmp mib ifLimitTable	yes
show ip igmp snooping snmp mib ifLimitTotalTable	yes
show ip igmp snooping snmp mib igmpsnoopingenabled	yes
show ip igmp snooping snmp mib iterfaceStatsTable	yes
show ip igmp snooping snmp mib lastMemeberQueryCount	yes
show ip igmp snooping snmp mib lastMemeberQueryInterval	yes
show ip igmp snooping snmp mib leaveQueryType	yes
show ip igmp snooping snmp mib mcastGroupTable	yes
show ip igmp snooping snmp mib mcastRouterCfgTable	yes
show ip igmp snooping snmp mib mcastRouterConfigTable	yes
show ip igmp snooping snmp mib multicastGroupConfigTable	yes
show ip igmp snooping snmp mib multicastGroupPortListTable	yes
show ip igmp snooping snmp mib multicastGroupTable	yes
show ip igmp snooping snmp mib operMode	yes
show ip igmp snooping snmp mib querierTable	yes
show ip igmp snooping snmp mib reportsuppressionenabled	yes
show ip igmp snooping snmp mib robustnessVariable	yes
show ip igmp snooping snmp mib routerAlertCheckEnabled	yes
show ip igmp snooping snmp mib sourceOnlyEntryAgingTime	yes
show ip igmp snooping snmp mib sourceOnlyLearningEnabled	yes
show ip igmp snooping snmp mib tcnFloodQueryCount	yes
show ip igmp snooping snmp mib timeToLiveCheckEnabled	yes

Show Commands	XML Support
show ip igmp snooping snmp mib topoChanageQuerySolicitEnabled	yes
show ip igmp snooping snmp mib v3ProcessEnabledAdminStatus	yes
show ip igmp snooping snmp mib v3SnoopingSupport	yes
show ip igmp snooping snmp mib vlanconfigtable	yes
show ip igmp snooping snmp mib vlanFilterConfigTable	yes
show ip igmp snooping statistics	yes
show ip igmp vrf all	yes
show ip interface	yes
show ip lisp	no
show ip lisp data-cache	no
show ip lisp locator-hash	no
show ip lisp map-cache	no
show ip lisp statistics	no
show ip lisp translate-cache	no
show ip lisp version-hash	no
show ip load-sharing	yes
show ip local policy	yes
show ip local-pt	no
show ip logging	yes
show ip mbgp	no
show ip mbgp community	no
show ip mbgp dampening	no
show ip mbgp extcommunity	no
show ip mbgp flap-statistics	no
show ip mbgp neighbors	no
show ip mbgp nexthop	no
show ip mbgp nexthop-database	no
show ip mbgp prefix-list	no

Show Commands	XML Support
show ip mbgp received-paths	no
show ip mroute	yes
show ip msdp count	yes
show ip msdp event-history	no
show ip msdp mesh-group	yes
show ip msdp peer	yes
show ip msdp policy statistics sa-policy in	yes
show ip msdp rpf	yes
show ip msdp sa	yes
show ip msdp sources	yes
show ip msdp statistics	yes
show ip msdp summary	yes
show ip multicast vrf	yes
show ip nat max	yes
show ip nat statistics	yes
show ip nat timeout	yes
show ip nat translations	yes
show ip nat-alias	no
show ip ospf	yes
show ip ospf border-routers	yes
show ip ospf database	yes
show ip ospf database database-summary	yes
show ip ospf database detail	yes
show ip ospf event-history	no
show ip ospf event-history detail	no
show ip ospf ha	yes
show ip ospf interface	yes
show ip ospf interface brief	yes

Show Commands	XML Support
show ip ospf lsa-content-changed-list	yes
show ip ospf memory	yes
show ip ospf neighbors	yes
show ip ospf neighbors detail	yes
show ip ospf neighbors summary	yes
show ip ospf policy statistics	yes
show ip ospf request-list	yes
show ip ospf retransmission-list	yes
show ip ospf route	yes
show ip ospf route summary	yes
show ip ospf segment-routing global-block	yes
show ip ospf segment-routing sid-database	yes
show ip ospf sham-links	yes
show ip ospf statistics	yes
show ip ospf summary-address	yes
show ip ospf traffic	yes
show ip ospf traps-queue	no
show ip ospf virtual-links	yes
show ip ospf virtual-links brief	yes
show ip overlay-traffic	no
show ip pim bitfield	no
show ip pim config-sanity	yes
show ip pim df	yes
show ip pim event-history	no
show ip pim fabric info	yes
show ip pim fabric legacy-vlans	yes
show ip pim group-range	yes
show ip pim host-proxy	yes

Show Commands	XML Support
show ip pim interface	yes
show ip pim mdt	yes
show ip pim mdt bgp	yes
show ip pim mdt history interval	yes
show ip pim mdt receive	yes
show ip pim mdt send	yes
show ip pim neighbor	yes
show ip pim oif-list	yes
show ip pim policy statistics	yes
show ip pim policy statistics jp	yes
show ip pim route	yes
show ip pim rp	yes
show ip pim rp-hash	yes
show ip pim statistics	yes
show ip pim vrf	yes
show ip ping source-interface	yes
show ip ping source-interface vrf all	yes
show ip policy	yes
show ip prefix-list	yes
show ip process	yes
show ip rip	yes
show ip rip interface	yes
show ip rip memory	yes
show ip rip neighbor	yes
show ip rip policy statistics redistribute	yes
show ip rip route	yes
show ip rip statistics	yes
show ip route	yes

Show Commands	XML Support
show ip router-id	no
show ip rsvp	yes
show ip sla application	yes
show ip sla configuration	yes
show ip sla enhanced-history collection-statistics	yes
show ip sla enhanced-history distribution-statistics	yes
show ip sla group schedule	yes
show ip sla history	yes
show ip sla reaction-configuration	yes
show ip sla reaction-trigger	yes
show ip sla responder	yes
show ip sla statistics	yes
show ip sla twamp connection detail	yes
show ip sla twamp connection requests	yes
show ip sla twamp session	yes
show ip sla twamp standards	yes
show ip ssh source-interface	yes
show ip ssh source-interface vrf all	yes
show ip static-route	yes
show ip stats	no
show ip tcp mss	no
show ip telnet source-interface	yes
show ip telnet source-interface vrf all	yes
show ip tftp source-interface	yes
show ip tftp source-interface vrf all	yes
show ip traceroute source-interface	yes
show ip traceroute source-interface vrf all	yes
show ip traffic	yes

Show Commands	XML Support
show ip txlist list	no
show ip udp relay	yes
show ip udp relay interface	yes
show ip udp relay object-group	yes
show ip verify source	yes
show ipv6 adjacency	yes
show ipv6 amt tunnel	yes
show ipv6 bgp	no
show ipv6 bgp community	no
show ipv6 bgp dampening	no
show ipv6 bgp extcommunity	no
show ipv6 bgp flap-statistics	no
show ipv6 bgp neighbors	no
show ipv6 bgp nexthop	no
show ipv6 bgp nexthop-database	no
show ipv6 bgp received-paths	no
show ipv6 bgp regexp	no
show ipv6 bgp summary	no
show ipv6 cache	no
show ipv6 client	yes
show ipv6 dhcp guard policy	yes
show ipv6 dhcp relay	yes
show ipv6 dhcp relay statistics	yes
show ipv6 dhcp-ldra	yes
show ipv6 dhcp-ldra statistics	yes
show ipv6 eigrp route-map statistics	yes
show ipv6 fragments	yes
show ipv6 icmp	yes

Show Commands	XML Support
show ipv6 icmp global traffic	yes
show ipv6 icmp interface	yes
show ipv6 icmp ndp	no
show ipv6 icmp off-list	yes
show ipv6 icmp process sdb	no
show ipv6 icmp vaddr	yes
show ipv6 icmp vpc-statistics	yes
show ipv6 interface	yes
show ipv6 interface global	no
show ipv6 lisp data-cache	no
show ipv6 local policy	yes
show ipv6 local-pt	no
show ipv6 mld groups	yes
show ipv6 mld local-groups	yes
show ipv6 mld vrf all	no
show ipv6 mroute	yes
show ipv6 mtu	yes
show ipv6 multicast vrf	yes
show ipv6 nd ra dns search-list	yes
show ipv6 nd ra dns server	yes
show ipv6 nd raguard policy	yes
show ipv6 nd rt-pref global pt	no
show ipv6 ndp	no
show ipv6 neighbor binding	no
show ipv6 neighbor binding mac	no
show ipv6 neighbor static	yes
show ipv6 pim bitfield	no
show ipv6 pim df	yes

Show Commands	XML Support
show ipv6 pim embed-rp	no
show ipv6 pim event-history	no
show ipv6 pim fabric info	yes
show ipv6 pim fabric legacy-vlans	yes
show ipv6 pim group-range	yes
show ipv6 pim interface show ipv6 pim interface	yes
show ipv6 pim neighbor	yes
show ipv6 pim oif-list	yes
show ipv6 pim policy statistics jp	yes
show ipv6 pim route	yes
show ipv6 pim rp	yes
show ipv6 pim rp-hash	yes
show ipv6 pim statistics	yes
show ipv6 pim vrf	yes
show ipv6 policy	yes
show ipv6 prefix-list	yes
show ipv6 process	yes
show ipv6 process sdb	no
show ipv6 raguard statistics	yes
show ipv6 rip policy statistics redistribute	yes
show ipv6 route	yes
show ipv6 routers	yes
show ipv6 snooping capture-policy	yes
show ipv6 snooping counters vlan	yes
show ipv6 snooping events	yes
show ipv6 snooping features	yes
show ipv6 snooping messages	yes
show ipv6 snooping policies	yes

Show Commands	XML Support
show ipv6 snooping policy	yes
show ipv6 snooping pss database	yes
show ipv6 static-route	yes
show ipv6 statistics	no
show ipv6 traffic	yes
show isis	yes
show isis adjacency	yes
show isis csnp	yes
show isis database	yes
show isis distribute-ls	yes
show isis event-history	no
show isis hostname	yes
show isis interface	yes
show isis ipv6 redistribute route	yes
show isis ipv6 route	yes
show isis ipv6 route-map statistics	yes
show isis ipv6 summary-address	yes
show isis lslib	no
show isis lsp free-list	no
show isis mesh-group	yes
show isis non tlv overflow-list	no
show isis redistribute route	yes
show isis route	yes
show isis route is	no
show isis route-map statistics	yes
show isis rrm	yes
show isis segment-routing local-mapcache	no
show isis segment-routing mapcache	yes

Show Commands	XML Support
show isis segment-routing remote-srgb	yes
show isis segment-routing sids	yes
show isis spf-adjacency	yes
show isis spf-log	yes
show isis srm	yes
show isis ssn	yes
show isis statistics	yes
show isis summary-address	yes
show isis topology	yes
show isis traffic	yes
show itd	yes
show itd session device-group	yes
show itd statistics	yes
show itd vrf	yes
show key chain	yes
show key chain mode decrypt	yes
show keystore	yes
show kim inconsistency	no
show kubernetes containers	no
show l2 mroute	yes
show l2 multicast ftag	yes
show l2 multicast trees	yes
show l2 route	yes
show l2fwder l2rib info	no
show l2fwder statistics	no
show l2rib clients	yes
show l2rib producers	yes
show l2rib registrations	yes

Show Commands	XML Support
show l2route evpn ead all	yes
show l2route evpn ethernet-segment esi	yes
show l2route evpn fl all	yes
show l2route evpn fl evi	yes
show l2route evpn imet all	yes
show l2route evpn imet evi	yes
show l2route evpn mac all	yes
show l2route evpn mac evi	yes
show l2route evpn mac-ip all	yes
show l2route evpn mac-ip evi	yes
show l2route evpn path-list all	yes
show l2route evpn startup-route all	yes
show l2route evpn startup-route evi	yes
show l2route fl topology	yes
show l2route peerid	yes
show l2route summary	yes
show l2route topology	yes
show lacp counters	yes
show lacp interface	yes
show lacp issu-impact	yes
show lacp neighbor	yes
show lacp port-channel	yes
show lacp system-identifier	yes
show ldap-search-map	yes
show ldap-server	yes
show ldap-server groups	yes
show ldap-server statistics	yes
show license	yes

Show Commands	XML Support
show license brief	yes
show license default	yes
show license feature package mapping	yes
show license file	yes
show license host-id	yes
show license reserved	no
show license tech support	no
show license usage	yes
show line	yes
show line console	yes
show line console connected	yes
show line console user-input-string	yes
show lisp ddt	no
show lisp ddt queue	no
show lisp ddt referral-cache	no
show lisp dynamic-eid	no
show lisp elp	no
show lisp negative-prefix	no
show lisp proxy-itr	no
show lisp site	no
show lisp site instance-id	no
show lisp smr	no
show lisp stats-cache	no
show lldp all	yes
show lldp dcbx interface	yes
show lldp entry	yes
show lldp interface	yes
show lldp neighbors	yes

Show Commands	XML Support
show lldp neighbors detail	yes
show lldp neighbors system-detail	yes
show lldp portid-subtype	yes
show lldp timers	yes
show lldp tlv-select	yes
show lldp traffic	yes
show lldp traffic interface	yes
show locator-led status	yes
show logging	no
show logging console	no
show logging info	yes
show logging ip access-list cache	yes
show logging ip access-list status	yes
show logging last	no
show logging level	yes
show logging level	no
show logging level aaa	no
show logging level acllog	no
show logging level aclmgr	no
show logging level adbm	no
show logging level adjmgr	no
show logging level amt	no
show logging level arp	no
show logging level ascii-cfg	no
show logging level assoc_mgr	no
show logging level backup	no
show logging level bfd	no
show logging level bgp	no

Show Commands	XML Support
show logging level bloggerd	no
show logging level bootvar	no
show logging level callhome	no
show logging level capability	no
show logging level catena	no
show logging level cdp	no
show logging level cert_enroll	no
show logging level cert-enroll	no
show logging level cfs	no
show logging level clis	no
show logging level clk_mgr	no
show logging level confcheck	no
show logging level copp	no
show logging level core	no
show logging level cts	no
show logging level dhcp_snoop	no
show logging level diagnostic device_test	no
show logging level diagnostic diagclient	no
show logging level diagnostic diagmgr	no
show logging level dot1x	no
show logging level ecp	no
show logging level eigrp	no
show logging level eltm	no
show logging level epp	no
show logging level ethdstats	no
show logging level ethpm	no
show logging level evb	no
show logging level evmc	no

Show Commands	XML Support
show logging level evmed	no
show logging level evms	no
show logging level fabric forwarding	no
show logging level fabricpath isis	no
show logging level fabricpath switch-id	no
show logging level fcoe_mgr	no
show logging level feature-mgr	no
show logging level fs-daemon	no
show logging level gpixm	no
show logging level hardware-telemetry	no
show logging level hsrp	no
show logging level icam	no
show logging level im	no
show logging level imp	no
show logging level interface-vlan	no
show logging level ip igmp	no
show logging level ip msdp	no
show logging level ip sla responder	no
show logging level ip sla sender	no
show logging level ip sla twamp-server	no
show logging level ipconf	no
show logging level ipfib	no
show logging level ipqos	no
show logging level ipv6 icmp	no
show logging level iscm	no
show logging level isis	no
show logging level keystore	no
show logging level l2fm	no

Show Commands	XML Support
show logging level l3vm	no
show logging level lacp	no
show logging level ldap	no
show logging level license	no
show logging level lim	no
show logging level lisp	no
show logging level lldp	no
show logging level m2rib	no
show logging level mfdm	no
show logging level mfwd	no
show logging level mmode	no
show logging level module	no
show logging level monitor	no
show logging level mpls ldp	no
show logging level mpls manager	no
show logging level mpls switching	no
show logging level mpls traffic-eng	no
show logging level mvsh	no
show logging level nat	no
show logging level nbm	no
show logging level netstack	no
show logging level nfm	no
show logging level ngoam	no
show logging level npv	no
show logging level ntp	no
show logging level nve	no
show logging level nxsdk	no
show logging level openflow	no

Show Commands	XML Support
show logging level ospf	no
show logging level ospfv3	no
show logging level otv	no
show logging level pfstat	no
show logging level pim	no
show logging level pixm	no
show logging level pktmgr	no
show logging level platform	no
show logging level plbm	no
show logging level plcmgr	no
show logging level pltfm_config	no
show logging level plugin	no
show logging level poap	no
show logging level poed	no
show logging level port	no
show logging level port-channel	no
show logging level port-profile	no
show logging level port-resources	no
show logging level port-security	no
show logging level private-vlan	no
show logging level ptp	no
show logging level radius	no
show logging level res_mgr	no
show logging level rip	no
show logging level routing ipv6 multicast	no
show logging level routing multicast	no
show logging level rpm	no
show logging level rsvp	no

Show Commands	XML Support
show logging level sal	no
show logging level san-port-channel	no
show logging level scheduler	no
show logging level security	no
show logging level segment-routing	no
show logging level session-mgr	no
show logging level sflow	no
show logging level smartc	no
show logging level smm	no
show logging level snmpd	no
show logging level snmpmib_proc	no
show logging level spanning-tree	no
show logging level spm	no
show logging level stripcl	no
show logging level sysmgr	no
show logging level tacacs	no
show logging level telemetry	no
show logging level track	no
show logging level tunnel	no
show logging level u2rib	no
show logging level u6rib	no
show logging level udld	no
show logging level ufdm	no
show logging level urib	no
show logging level vdc_mgr	no
show logging level virtual-service	no
show logging level vlan_mgr	no
show logging level vmm	no

Show Commands	XML Support
show logging level vmtracker	no
show logging level vpc	no
show logging level vrrp-cfg	no
show logging level vrrp-eng	no
show logging level vrrpv3	no
show logging level vsan	no
show logging level vshd	no
show logging level vtp	no
show logging level wwn	no
show logging level xbar	no
show logging logfile	no
show logging logfile duration	no
show logging logfile last-index	no
show logging logfile start-seqn	no
show logging logfile start-time	no
show logging loopback	no
show logging module	no
show logging monitor	no
show logging nvram	yes
show logging onboard	no
show logging onboard kernel-trace	no
show logging origin-id	no
show logging pending	no
show logging pending-diff	no
show logging rate-limit	no
show logging server	yes
show logging session status	no
show logging source-interface	no

Show Commands	XML Support
show logging status	no
show logging timestamp	no
show login on-failure log	yes
show login on-successful log	yes
show mac address-table	yes
show mac address-table aging-time	yes
show mac address-table count	yes
show mac address-table count es	no
show mac address-table learning-mode	yes
show mac address-table limit	yes
show mac address-table loop-detect	no
show mac address-table multicast	yes
show mac address-table notification mac-move	yes
show mac vdc	yes
show mac-list	yes
show macsec mka	yes
show macsec mka session	yes
show macsec mka statistics	yes
show macsec policy	yes
show macsec secy statistics	yes
show maintenance maint-delay	yes
show maintenance on-reload reset-reasons	yes
show maintenance profile	yes
show maintenance snapshot-delay	yes
show maintenance timeout	yes
show mcectest	yes
show mcectest mcec interface	no
show mgmt-policy	yes

Show Commands	XML Support
show module	yes
show module bandwidth-fairness	yes
show module supported	no
show module uptime	yes
show monitor	yes
show monitor session	yes
show mpls forwarding statistics	yes
show mpls interfaces	yes
show mpls interfaces detail	yes
show mpls interfaces statistics	yes
show mpls ip bindings	yes
show mpls ip bindings summary	yes
show mpls ip ttl	yes
show mpls label range	yes
show mpls label statistics	no
show mpls oam echo statistics	yes
show mpls static binding	yes
show mpls static binding vrf per-vrf	yes
show mpls static trace	no
show mpls strip labels	yes
show mpls switching	yes
show mpls switching clients	yes
show mvpn bgp mdt	yes
show mvpn mdt encap	yes
show mvpn mdt route	yes
show mvr	yes
show mvr groups	yes
show mvr interface	yes

Show Commands	XML Support
show mvr members	yes
show mvr members count	yes
show mvr members vlan	yes
show mvr receiver-ports	yes
show mvr source-ports	yes
show nbm controller	yes
show nbm defaults	no
show nbm flow-policy	no
show nbm flows	yes
show nbm flows bandwidth	no
show nbm flows statistics	yes
show nbm flows summary	yes
show nbm host-policy all	no
show nbm host-policy applied	no
show nbm host-policy applied receiver	no
show nbm interface bandwidth	yes
show nbm switch-role	yes
show ngoam acl status	yes
show ngoam actsessions	no
show ngoam interface statistics	yes
show ngoam loopback	yes
show ngoam pathtrace	yes
show ngoam probe	yes
show ngoam role	no
show ngoam traceroute statistics	yes
show ngoam xconnect session	yes
show npv external-interface-usage	yes
show npv flogi-table	yes

Show Commands	XML Support
show npv status	yes
show npv traffic-map	yes
show npv traffic-usage	no
show ntp access-groups	yes
show ntp authentication-keys	yes
show ntp authentication-status	yes
show ntp information	yes
show ntp logging-status	yes
show ntp peer-status	yes
show ntp peers	yes
show ntp rts-update	yes
show ntp session status	yes
show ntp source	yes
show ntp source-interface	yes
show ntp statistics	yes
show ntp status	yes
show ntp trusted-keys	yes
show nve bfd neighbors	yes
show nve core-links	yes
show nve ethernet-segment	yes
show nve interface	yes
show nve multisite dci-links	yes
show nve multisite fabric-links	yes
show nve peers	yes
show nve peers interface counters	yes
show nve peers vni interface counters	yes
show nve replication-servers	yes
show nve vni	yes

Show Commands	XML Support
show nve vni counters	yes
show nve vni ingress-replication	yes
show nve vni peer-vtep	yes
show nve vrf	yes
show nve vxlan-params	yes
show nxapi	yes
show nxapi-server logs	no
show object-group	yes
show openflow hardware capabilities	no
show openflow switch	yes
show openflow switch flows	no
show ospfv3	yes
show ospfv3 border-routers	yes
show ospfv3 database	yes
show ospfv3 database database-summary	yes
show ospfv3 database detail	yes
show ospfv3 event-history	no
show ospfv3 event-history detail	no
show ospfv3 ha	yes
show ospfv3 interface	yes
show ospfv3 interface brief	yes
show ospfv3 lsa-content-changed-list	yes
show ospfv3 memory	yes
show ospfv3 neighbors	yes
show ospfv3 neighbors detail	yes
show ospfv3 neighbors summary	yes
show ospfv3 policy statistics	no
show ospfv3 request-list	yes

Show Commands	XML Support
show ospfv3 retransmission-list	yes
show ospfv3 route	yes
show ospfv3 route summary	yes
show ospfv3 statistics	yes
show ospfv3 summary-address	yes
show ospfv3 traffic	yes
show ospfv3 virtual-links	yes
show ospfv3 virtual-links brief	yes
show otv	no
show param-list	yes
show password secure-mode	yes
show password strength-check	yes
show plb	yes
show plb analytics	yes
show plb session device-group	yes
show plb vrf	yes
show pmap-int	no
show pmap-int-br interface br	yes
show policy-map	yes
show policy-map interface control-plane	yes
show policy-map interface type psp	yes
show policy-map system	yes
show policy-map type control-plane	yes
show policy-map type network-qos	yes
show policy-map type psp	yes
show port naming	no
show port-channel capacity	yes
show port-channel compatibility-parameters	yes

Show Commands	XML Support
show port-channel database	yes
show port-channel fast-convergence	no
show port-channel load-balance	yes
show port-channel load-balance forwarding-path interface	yes
show port-channel load-balance forwarding-path1 interface src-interface	yes
show port-channel load-balance hardware forwarding-path interface source	yes
show port-channel rbh-distribution	yes
show port-channel summary	yes
show port-channel traffic	yes
show port-channel usage	yes
show port-license	yes
show port-profile	yes
show port-profile brief	yes
show port-profile expand-interface	yes
show port-profile sync-status	yes
show port-profile usage	yes
show port-security	yes
show port-security address	yes
show port-security address blocked	yes
show port-security address interface	yes
show port-security address nvram	yes
show port-security detail interface	yes
show port-security interface	yes
show port-security multivlan address	yes
show port-security secure address	yes
show port-security state	yes
show port-security traps enable	yes
show power inline	yes

Show Commands	XML Support
show power inline police	yes
show power inline priority	yes
show privilege	no
show processes	yes
show processes cpu	yes
show processes cpu history	no
show processes cpu history data	yes
show processes cpu module	yes
show processes log	yes
show processes log details	yes
show processes log pid	yes
show processes log vdc-all	yes
show processes memory	yes
show processes memory clis	no
show processes memory physical	yes
show processes memory shared	yes
show processes vdc	yes
show processes vdc cpu	yes
show processes vdc log	yes
show processes vdc log details	no
show processes vdc log pid	no
show processes vdc memory	yes
show processes version	yes
show pss debug	no
show ptp brief	yes
show ptp clock	yes
show ptp clock foreign-masters record	yes
show ptp corrections	yes

Show Commands	XML Support
show ptp cost	yes
show ptp counters interface	yes
show ptp delay summary	yes
show ptp domain data	yes
show ptp interface domain	yes
show ptp packet-trace	yes
show ptp parent	yes
show ptp port interface	yes
show ptp time-property	yes
show qos dcbxp incompatibility interface	yes
show qos dcbxp info	yes
show qos dcbxp interface	yes
show qos shared-policer	yes
show queuing	yes
show queuing burst-detect	yes
show queuing pfc-queue	yes
show queuing pfc-queue interface snmp watchdogIfQueueTable ifIndex	yes
show queuing pfc-queue snmp ifIndex	yes
show queuing tabular	yes
show queuing tah-pfc-queue	yes
show radius status	yes
show radius-cfs	yes
show radius-server	yes
show radius-server directed-request	yes
show radius-server groups	yes
show radius-server sorted	yes
show radius-server statistics	yes
show redundancy status	yes

Show Commands	XML Support
show regexp	no
show reload	yes
show resource	yes
show rmon	yes
show role	yes
show role feature	yes
show role feature-group	yes
show rollback log exec	yes
show rollback status	yes
show route-map	yes
show route-map pbr-statistics	yes
show router-guard	yes
show routing	yes
show routing clients	yes
show routing event-history	no
show routing hash	yes
show routing hidden-nh	yes
show routing ipv6	yes
show routing ipv6 clients	yes
show routing ipv6 event-history	no
show routing ipv6 hash	yes
show routing ipv6 hidden-nh	yes
show routing ipv6 memory estimate	yes
show routing ipv6 memory statistics	yes
show routing ipv6 multicast	yes
show routing ipv6 multicast clients	yes
show routing ipv6 multicast event-history	no
show routing ipv6 multicast memory estimate	yes

Show Commands	XML Support
show routing ipv6 nexthop info	no
show routing ipv6 nhlfe	yes
show routing ipv6 recursive-next-hop	yes
show routing memory estimate	yes
show routing memory statistics	yes
show routing multicast	yes
show routing multicast clients	yes
show routing multicast event-history	no
show routing multicast lisp encap	yes
show routing multicast mdt encapsulation	yes
show routing multicast memory estimate	yes
show routing multicast sr	no
show routing nhlfe	yes
show routing recursive-next-hop	yes
show routing unresolved-next-hop	no
show routing vxlan-hash peer-ip	no
show routing-context	yes
show routing-privilege	no
show running-config	no
show running-config aaa	no
show running-config acllog	no
show running-config aclmgr	no
show running-config aclmgr active	no
show running-config adjmgr	no
show running-config all	no
show running-config amt	no
show running-config arp	no
show running-config assoc	no

Show Commands	XML Support
show running-config backup	no
show running-config bfd	no
show running-config bgp	no
show running-config bloggerd	no
show running-config callhome	no
show running-config catena	no
show running-config cdp	no
show running-config cert-enroll	no
show running-config cfs	no
show running-config clock_manager	no
show running-config config-profile	no
show running-config config-template	no
show running-config controller	no
show running-config copp	no
show running-config dhcp	no
show running-config diagnostic	no
show running-config diff	no
show running-config dot1x	no
show running-config ecp	no
show running-config eem	no
show running-config eigrp	no
show running-config eltm	no
show running-config evb	no
show running-config exclude	no
show running-config exclude fabricpath	no
show running-config expand-port-profile	no
show running-config explicit	no
show running-config fabric forwarding	no

Show Commands	XML Support
show running-config fabric multicast	no
show running-config fabricpath	no
show running-config fabricpath domain default	no
show running-config fabricpath switch-id	no
show running-config fabricpath topology	no
show running-config fcoe_mgr	no
show running-config hardware-telemetry	no
show running-config hsrp	no
show running-config icam	no
show running-config icmpv6	no
show running-config igmp	no
show running-config imp	no
show running-config interface	no
show running-config interface defaults	no
show running-config interface explicit	no
show running-config ip	no
show running-config ipqos	no
show running-config ipqos active	no
show running-config ipv6	no
show running-config isis	no
show running-config l3vm	no
show running-config ldap	no
show running-config license	no
show running-config lisp	no
show running-config lldp	no
show running-config macsec	no
show running-config mmode	no
show running-config monitor	no

Show Commands	XML Support
show running-config mpls ldp	no
show running-config mpls static	no
show running-config mpls strip	no
show running-config mpls traffic-eng	no
show running-config msdp	no
show running-config nat	no
show running-config nbm	no
show running-config netflow	no
show running-config ngoam	no
show running-config ntp	no
show running-config nv overlay	no
show running-config nxsdk	no
show running-config openflow	no
show running-config ospf	no
show running-config ospfv3	no
show running-config otv	no
show running-config otv-isis	no
show running-config param-list	no
show running-config pim	no
show running-config pim6	no
show running-config plb-services	no
show running-config poe	no
show running-config port-profile	no
show running-config port-security	no
show running-config ptp	no
show running-config radius	no
show running-config res_mgr	no
show running-config rip	no

Show Commands	XML Support
show running-config routing ip multicast	no
show running-config routing ipv6 multicast	no
show running-config rpm	no
show running-config rsvp	no
show running-config section	no
show running-config security	no
show running-config segment-routing	no
show running-config services	no
show running-config sflow	no
show running-config sla responder	no
show running-config sla sender	no
show running-config sla twamp-server	no
show running-config smart-channel	no
show running-config snmp	no
show running-config spanning-tree	no
show running-config srte	no
show running-config switch	no
show running-config tacacs	no
show running-config telemetry	no
show running-config track	no
show running-config udld	no
show running-config vdc	no
show running-config vdc-all	no
show running-config virtual-service	no
show running-config vlan	no
show running-config vlan_mgr	no
show running-config vmtracker	no
show running-config vpc	no

Show Commands	XML Support
show running-config vrf	no
show running-config vrf default	no
show running-config vrrp	no
show running-config vrrpv3	no
show running-config vshd	no
show running-config vtp	no
show running-config wwnm	no
show san-port-channel compatibility-parameters	yes
show san-port-channel consistency	yes
show san-port-channel consistency detail	yes
show san-port-channel database	yes
show san-port-channel summary	yes
show san-port-channel usage	yes
show scheduler config	yes
show scheduler job	yes
show scheduler logfile	yes
show scheduler schedule	yes
show segment-routing	yes
show segment-routing clients	yes
show segment-routing ipv4 connected-prefix-sid-map	yes
show sflow	yes
show sflow statistics	yes
show smart-channel	yes
show snapshots	yes
show snapshots compare	yes
show snapshots compare ipv4routes	yes
show snapshots compare ipv6routes	yes
show snapshots compare summary	yes

Show Commands	XML Support
show snapshots dump	yes
show snapshots sections	yes
show snmp	yes
show snmp community	yes
show snmp context	yes
show snmp engineID	yes
show snmp group	yes
show snmp host	yes
show snmp mib igmpCacheTable	yes
show snmp mib igmpInterfaceTable	yes
show snmp mib pimCandidateRPTable	yes
show snmp mib pimComponentTable	yes
show snmp mib pimInterfaceTable	yes
show snmp mib pimIpMRouteNextHopTable	yes
show snmp mib pimIpMRouteTable	yes
show snmp mib pimJoinPruneInterval	yes
show snmp mib pimNeighborTable	yes
show snmp mib pimRPSetTable	yes
show snmp nms-statistics	yes
show snmp oid-statistics	yes
show snmp pss	no
show snmp roledebug	no
show snmp sessions	yes
show snmp snmpv3stats	no
show snmp source-interface	yes
show snmp trap	yes
show snmp user	yes
show snmp-dhcp-relay drop statistics	yes

Show Commands	XML Support
show snmp-dhcp-relay statistics pkt	yes
show snmp-ipv6-dhcp-relay drop statistics	yes
show snmp-ipv6-dhcp-relay statistics pkt	yes
show sockets buffers	no
show sockets client	yes
show sockets connection	yes
show sockets keychain-dump	no
show sockets local-port-range	yes
show sockets ns-port-kiosk	no
show sockets performance	no
show sockets secure-lxc	no
show sockets statistics	yes
show sockets tcp keychain binding	yes
show spanning-tree	yes
show spanning-tree blockedports	yes
show spanning-tree bridge	yes
show spanning-tree inconsistentports	yes
show spanning-tree interface	yes
show spanning-tree issu-impact	yes
show spanning-tree mst	yes
show spanning-tree mst configuration	yes
show spanning-tree mst configuration digest	yes
show spanning-tree mst interface	yes
show spanning-tree pathcost method	yes
show spanning-tree root	yes
show spanning-tree summary	yes
show spanning-tree summary totals	yes
show sprom	yes

Show Commands	XML Support
show srte pce ipv4 peer	yes
show srte policy	yes
show srte policy fh	no
show ssh key	yes
show ssh server	yes
show ssx details	yes
show ssx exporter	yes
show ssx monitor	yes
show ssx record	yes
show startup-config	no
show startup-config aaa	no
show startup-config acllog	no
show startup-config aclmgr	no
show startup-config adjmgr	no
show startup-config amt	no
show startup-config arp	no
show startup-config assoc	no
show startup-config backup	no
show startup-config bfd	no
show startup-config bgp	no
show startup-config bloggerd	no
show startup-config callhome	no
show startup-config catena	no
show startup-config cdp	no
show startup-config cert-enroll	no
show startup-config cfs	no
show startup-config config-profile	no
show startup-config copp	no

Show Commands	XML Support
show startup-config dhcp	no
show startup-config diagnostic	no
show startup-config dot1x	no
show startup-config ecp	no
show startup-config eem	no
show startup-config eigrp	no
show startup-config eltm	no
show startup-config evb	no
show startup-config exclude	no
show startup-config expand-port-profile	no
show startup-config fabric forwarding	no
show startup-config fabric multicast	no
show startup-config fabricpath	no
show startup-config fabricpath domain default	no
show startup-config fabricpath switch-id	no
show startup-config fabricpath topology	no
show startup-config fcoe_mgr	no
show startup-config glbp	no
show startup-config hardware-telemetry	no
show startup-config hsrp	no
show startup-config icam	no
show startup-config icmpv6	no
show startup-config igmp	no
show startup-config imp	no
show startup-config interface	no
show startup-config ip	no
show startup-config ipqos	no
show startup-config ipv6	no

Show Commands	XML Support
show startup-config isis	no
show startup-config l3vm	no
show startup-config ldap	no
show startup-config license	no
show startup-config lisp	no
show startup-config lldp	no
show startup-config log	no
show startup-config macsec	no
show startup-config mmode	no
show startup-config monitor	no
show startup-config mpls ldp	no
show startup-config mpls static	no
show startup-config mpls strip	no
show startup-config mpls traffic-eng	no
show startup-config msdp	no
show startup-config nat	no
show startup-config nbm	no
show startup-config netflow	no
show startup-config ngoam	no
show startup-config ntp	no
show startup-config nv overlay	no
show startup-config nxsdk	no
show startup-config openflow	no
show startup-config ospf	no
show startup-config ospfv3	no
show startup-config otv	no
show startup-config otv-isis	no
show startup-config param-list	no

Show Commands	XML Support
show startup-config pim	no
show startup-config pim6	no
show startup-config plb-services	no
show startup-config poe	no
show startup-config port-profile	no
show startup-config port-security	no
show startup-config ptp	no
show startup-config radius	no
show startup-config rip	no
show startup-config routing ip multicast	no
show startup-config routing ipv6 multicast	no
show startup-config rpm	no
show startup-config rsvp	no
show startup-config security	no
show startup-config segment-routing	no
show startup-config services	no
show startup-config sflow	no
show startup-config sla responder	no
show startup-config sla sender	no
show startup-config sla twamp-server	no
show startup-config smart-channel	no
show startup-config snmp	no
show startup-config srte	no
show startup-config switch	no
show startup-config tacacs	no
show startup-config telemetry	no
show startup-config track	no
show startup-config udld	no

Show Commands	XML Support
show startup-config vdc	no
show startup-config vdc-all	no
show startup-config virtual-service	no
show startup-config vlan	no
show startup-config vmtracker	no
show startup-config vpc	no
show startup-config vrf	no
show startup-config vrf default	no
show startup-config vrrpv3	no
show startup-config vshd	no
show startup-config vtp	no
show startup-config wwnm	no
show summary	no
show sup-monitor drops session	no
show switch-profile	yes
show switch-profile buffer	yes
show switch-profile peer	yes
show switch-profile status	yes
show switch-scope controller	no
show switching-mode	yes
show switching-mode fabric-speed	yes
show system acl	yes
show system auto-collect tech-support	yes
show system boottime	yes
show system clis event-history	no
show system config reload-pending	yes
show system cores	yes
show system default switchport	yes

Show Commands	XML Support
show system dme status	yes
show system error-id	yes
show system exception-info	yes
show system fabric-mode	yes
show system fast-reload stabilization-timer	yes
show system inband queuing statistics	yes
show system inband queuing status	yes
show system kgdb	no
show system login	yes
show system login failures	yes
show system memory-thresholds	yes
show system mode	yes
show system nve infra-vlans	yes
show system pss shrink status	yes
show system redundancy ha status	yes
show system redundancy status	yes
show system reset-reason	yes
show system reset-reason module	yes
show system resources	no
show system resources	yes
show system resources module	no
show system resources module all	yes
show system routing mode	yes
show system srg	no
show system standby manual-boot	yes
show system switch-mode	yes
show system switchover impact	no
show system uptime	yes

Show Commands	XML Support
show system verify bios flash	yes
show system vlan reserved	yes
show table-map	yes
show tacacs-server	yes
show tacacs-server directed-request	yes
show tacacs-server groups	yes
show tacacs-server sorted	yes
show tacacs-server statistics	yes
show tech-support	no
show tech-support aaa	no
show tech-support aclmgr	no
show tech-support aclmgr compressed	no
show tech-support aclqos	no
show tech-support aclqos compressed	no
show tech-support adjmgr	no
show tech-support all	no
show tech-support all binary	no
show tech-support all-binary	no
show tech-support analytics	no
show tech-support arp	no
show tech-support ascii-cfg	no
show tech-support assoc_mgr	no
show tech-support backup	no
show tech-support bcm	no
show tech-support bfd	no
show tech-support bgp	no
show tech-support biosd	no
show tech-support bloggerd	no

Show Commands	XML Support
show tech-support bloggerd-all	no
show tech-support bootvar	no
show tech-support brief	no
show tech-support callhome	no
show tech-support cdp	no
show tech-support cert-enroll	no
show tech-support cfs	no
show tech-support cli	no
show tech-support clis	no
show tech-support clock_manager	no
show tech-support commands	no
show tech-support controller	no
show tech-support copp	no
show tech-support dcbx	no
show tech-support details	no
show tech-support dhclient	no
show tech-support dhcp	no
show tech-support dme	no
show tech-support dot1x	no
show tech-support ecp	no
show tech-support eem	no
show tech-support eigrp	no
show tech-support eltm	no
show tech-support ethpm	no
show tech-support ethport	no
show tech-support evb	no
show tech-support fabric forwarding	no
show tech-support fabric multicast	no

Show Commands	XML Support
show tech-support fabricpath isis	no
show tech-support fabricpath topology	no
show tech-support fast-reload	no
show tech-support fc2	no
show tech-support fcoe	no
show tech-support fips	no
show tech-support forwarding l2 multicast	no
show tech-support forwarding l2 multicast vdc-all	no
show tech-support forwarding l2 unicast	no
show tech-support forwarding l3 multicast	no
show tech-support forwarding l3 multicast detail	no
show tech-support forwarding l3 multicast detail vdc-all	no
show tech-support forwarding l3 multicast vdc-all	no
show tech-support forwarding l3 unicast	no
show tech-support forwarding l3 unicast detail	no
show tech-support forwarding l3 unicast detail vdc-all	no
show tech-support forwarding l3 unicast vdc-all	no
show tech-support forwarding mpls	no
show tech-support forwarding multicast	no
show tech-support gold	no
show tech-support gpixm	no
show tech-support ha	no
show tech-support ha module	no
show tech-support ha standby	no
show tech-support hardware-telemetry	no
show tech-support hsrp	no
show tech-support hsrp brief	no
show tech-support icam	no

Show Commands	XML Support
show tech-support icmpv6	no
show tech-support im	no
show tech-support imp	no
show tech-support inband counters	no
show tech-support include-time	no
show tech-support install	no
show tech-support interface-vlan	no
show tech-support ip	no
show tech-support ip igmp	no
show tech-support ip igmp snooping	no
show tech-support ip msdp	no
show tech-support ip pim	no
show tech-support ip rsvp	no
show tech-support ipqos	no
show tech-support ipv6	no
show tech-support ipv6 mld	no
show tech-support ipv6 multicast	no
show tech-support ipv6 pim	no
show tech-support isis	no
show tech-support issu	no
show tech-support kstack	no
show tech-support l2	no
show tech-support l2fm	no
show tech-support l2fm clients	no
show tech-support l2fm detail	no
show tech-support l2fm l2dbg	no
show tech-support l2rib	no
show tech-support l3vm	no

Show Commands	XML Support
show tech-support l3vpn	no
show tech-support lacp	no
show tech-support ldap	no
show tech-support license	no
show tech-support lim	no
show tech-support lisp	no
show tech-support lldp	no
show tech-support logging	no
show tech-support m2rib	no
show tech-support macsec	no
show tech-support macsec detail	no
show tech-support mfwd	no
show tech-support mmode	no
show tech-support module	no
show tech-support module all	no
show tech-support monitor	no
show tech-support monitor erspan	no
show tech-support monitorc-all	no
show tech-support mpls ldp	no
show tech-support mpls manager	no
show tech-support mpls static	no
show tech-support mpls strip	no
show tech-support mpls switching	no
show tech-support mpls traffic-eng	no
show tech-support mplsfwd	no
show tech-support multicast	no
show tech-support multicast-vxlan-evpn	no
show tech-support mvpn	no

Show Commands	XML Support
show tech-support nat	no
show tech-support nbm	no
show tech-support netflow	no
show tech-support netstack	no
show tech-support netstack detail	no
show tech-support ngoam	no
show tech-support npacl	no
show tech-support npv	no
show tech-support ns	no
show tech-support ntp	no
show tech-support nve	no
show tech-support nxapi	no
show tech-support nxsdk	no
show tech-support object-store	no
show tech-support openflow	no
show tech-support ospf	no
show tech-support ospfv3	no
show tech-support otv	no
show tech-support page	no
show tech-support patch	no
show tech-support pbr	no
show tech-support pfstat	no
show tech-support pixm	no
show tech-support pixm-all	no
show tech-support pixmc-all	no
show tech-support pktmgr	no
show tech-support platform	no
show tech-support platform-sdk	no

Show Commands	XML Support
show tech-support plb-services	no
show tech-support plcmgr	no
show tech-support pltfm-config	no
show tech-support poe	no
show tech-support port	no
show tech-support port-channel	no
show tech-support port-client-all	no
show tech-support port-profile	no
show tech-support port-security	no
show tech-support private-vlan	no
show tech-support ptp	no
show tech-support radius	no
show tech-support rip	no
show tech-support routing	no
show tech-support routing ipv6	no
show tech-support routing ipv6 multicast	no
show tech-support routing multicast	no
show tech-support rpm	no
show tech-support sal	no
show tech-support san	no
show tech-support san-port-channel	no
show tech-support satmgr	no
show tech-support security	no
show tech-support segment-routing	no
show tech-support services	no
show tech-support session-mgr	no
show tech-support sflow	no
show tech-support single-jericho	no

Show Commands	XML Support
show tech-support sksd	no
show tech-support sla responder	no
show tech-support sla sender	no
show tech-support sla twamp-server	no
show tech-support smartc	no
show tech-support smm	no
show tech-support snmp	no
show tech-support sockets	no
show tech-support spm	no
show tech-support srte	no
show tech-support statsclient	no
show tech-support stp	no
show tech-support sup-filesys	no
show tech-support sysmgr	no
show tech-support tacacs	no
show tech-support telemetry	no
show tech-support track	no
show tech-support tunnel	no
show tech-support u2rib	no
show tech-support udld	no
show tech-support usd-all	no
show tech-support vdc	no
show tech-support virtual-service	no
show tech-support vlan	no
show tech-support vmtracker	no
show tech-support vpc	no
show tech-support vrrp	no
show tech-support vrrp brief	no

Show Commands	XML Support
show tech-support vrrpv3	no
show tech-support vsan	no
show tech-support vshd	no
show tech-support vtp	no
show tech-support vvlan	no
show tech-support vxlan	no
show tech-support vxlan platform	no
show tech-support vxlan-evpn	no
show tech-support xbar	no
show tech-support xml	no
show tech-support xos	no
show telemetry control database	yes
show telemetry data collector brief	yes
show telemetry event collector stats	yes
show telemetry pipeline stats	yes
show telemetry transport	yes
show telnet server	yes
show terminal	yes
show terminal output xml version	yes
show time-range	yes
show time-stamp running-config last-changed	yes
show track	yes
show track brief	yes
show troubleshoot l2 mac vlan	no
show troubleshoot l3 ipv4 vrf	no
show trunk protocol	yes
show ttag brief	yes
show tunnel iftable	yes

Show Commands	XML Support
show tunnel inetconfigtable	yes
show udld	yes
show udld global	yes
show udld neighbors	yes
show ulib process	no
show user-account	yes
show username keypair	yes
show userpassphrase	yes
show users	yes
show vdc	yes
show vdc current-vdc	yes
show vdc fcoe-vlan-range	yes
show vdc resource	yes
show vdc resource template	yes
show version	yes
show version compatibility	no
show version epld	yes
show version image	yes
show version module	yes
show version module epld	yes
show virtual-service	yes
show virtual-service storage pool list	yes
show virtual-service tech-support	no
show virtual-service utilization name	yes
show virtual-service version	yes
show vlan	yes
show vlan access-list	yes
show vlan access-map	yes

Show Commands	XML Support
show vlan all-ports	yes
show vlan counters	yes
show vlan dot1Q tag native	yes
show vlan fcoe	yes
show vlan filter	yes
show vlan id	yes
show vlan id counters	yes
show vlan id vn-segment	yes
show vlan mib private-vlan type	yes
show vlan name	yes
show vlan private-vlan	yes
show vlan private-vlan interface host	yes
show vlan private-vlan interface mapping	yes
show vlan private-vlan interface mode	yes
show vlan private-vlan interface trunk	yes
show vlan private-vlan mapping	yes
show vlan private-vlan type	yes
show vlan reserved	yes
show vlan xbrief	yes
show vlan xsummary	yes
show vlan-mgr errors	no
show vlan-mgr event-history	no
show vmtracker	no
show vmtracker certificate	no
show vmtracker fabric auto-config	no
show vmtracker status	yes
show vni hardware counters	no
show vpc	yes

Show Commands	XML Support
show vpc consistency-parameters	yes
show vpc consistency-parameters vlans	yes
show vpc orphan-ports	yes
show vpc peer-keepalive	yes
show vpc role	yes
show vpc statistics peer-keepalive	yes
show vpc statistics vpc	no
show vpc upgrade	yes
show vrf	yes
show vrf	no
show vrf topology	yes
show vrrp	yes
show vrrp bfd-sessions	yes
show vrrpv3	yes
show vrrs client	yes
show vrrs pathway	yes
show vrrs pathway address	no
show vrrs server	yes
show vrrs tag	yes
show vsan	yes
show vsan membership	yes
show vsan membership interface	yes
show vsan usage	yes
show vtp counters	yes
show vtp datafile	no
show vtp domain id	yes
show vtp interface	yes
show vtp mibstats	yes

Show Commands	XML Support
show vtp password	yes
show vtp status	yes
show vtp trunk interface	yes
show vtp vlan	yes
show wred-queue qos-group-map	yes
show wrr unicast-bandwidth	yes
show wrr-queue qos-group-map	yes
show wwn interface	no
show wwn status	yes
show wwn switch	yes
show wwn test	no
show wwn vsan	no
show wwn vsan-wwn	yes
show xml server logging configuration	no
show xml server status	yes