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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__	
<i>output_state</i>	Type: string
<i>info</i>	Type: string
<i>per_name</i>	Type: string
<i>name</i>	Type: string
<i>email_info</i>	Type: string
<i>email_conf</i>	Type: string
<i>ph_info</i>	Type: string
<i>ph_conf</i>	Type: string
<i>str_addr</i>	Type: string
<i>str_conf</i>	Type: string
<i>site_id</i>	Type: string
<i>site_id_conf</i>	Type: string
<i>cust_id</i>	Type: string
<i>cus_id_conf</i>	Type: string
<i>contr_id</i>	Type: string
<i>contr_id_conf</i>	Type: string
<i>swi_pri</i>	Type: string
<i>swi_pri_value</i>	Type: string
<i>dup_mess</i>	Type: string

<i>per_inv</i>	Type: string
<i>per_time</i>	Type: string
<i>per_timeofday</i>	Type: string
<i>dist</i>	Type: string

Command Modes

- /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__	
TABLE_call_info	
<i>dest_full_info</i>	Type: string
<i>dest_short_info</i>	Type: string
<i>dest_xml_info</i>	Type: string
<i>dest_def_info</i>	Type: string
<i>max_mess_size</i>	Type: string
<i>mess_format</i>	Type: string
<i>mess_level</i>	Type: string
<i>trans_method</i>	Type: string
<i>email_info</i>	Type: string
<i>email_conf</i>	Type: string
<i>url_info</i>	Type: string
<i>url_conf</i>	Type: string
<i>alert_groups</i>	Type: string
<i>alert_conf</i>	Type: string

Command Modes

- /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
<i>s0</i>	Type: string length: 32 Show information for user defined destination profile
__readonly__	
<i>user_txt_info</i>	Type: string
<i>max_mess_size</i>	Type: string
<i>mess_format</i>	Type: string
<i>mess_level</i>	Type: string
<i>trans_method</i>	Type: string
<i>email_info</i>	Type: string
TABLE_email	
<i>email_conf</i>	Type: string
<i>url_info</i>	Type: string
TABLE_url	
<i>url_conf</i>	Type: string
<i>alert_groups</i>	Type: string
TABLE_alert	
<i>alert_conf</i>	Type: string

show callhome destination-profile profile

Command Modes

- /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__	
<i>tac_xml_info</i>	Type: string
<i>max_mess_size</i>	Type: string
<i>mess_level</i>	Type: string
<i>trans_method</i>	Type: string
<i>email_info</i>	Type: string
<i>email_conf</i>	Type: string
<i>url_info</i>	Type: string
<i>url_conf</i>	Type: string
<i>alert_groups</i>	Type: string
<i>alert_conf</i>	Type: string

Command Modes

- /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
<i>__readonly__</i>	
<i>full_txt_info</i>	Type: string
<i>max_mess_size</i>	Type: string
<i>mess_level</i>	Type: string
<i>trans_method</i>	Type: string
<i>email_info</i>	Type: string
<i>email_conf</i>	Type: string
<i>url_info</i>	Type: string
<i>url_conf</i>	Type: string
<i>alert_groups</i>	Type: string
<i>alert_conf</i>	Type: string

Command Modes

- /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__	
<i>shrt_txt_info</i>	Type: string
<i>max_mess_size</i>	Type: string
<i>mess_level</i>	Type: string
<i>trans_method</i>	Type: string
<i>email_info</i>	Type: string
<i>email_conf</i>	Type: string
<i>url_info</i>	Type: string
<i>url_conf</i>	Type: string
<i>alert_groups</i>	Type: string
<i>alert_conf</i>	Type: string

Command Modes

- /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)
<u>__readonly__</u>	
<i>vrf</i>	Type: string
<i>from_email</i>	Type: string
<i>rep_email</i>	Type: string
<i>ret_email</i>	Type: string
<i>smtp_ser</i>	Type: string
<i>smtp_ser_port</i>	Type: string
<i>smtp_ser_vrf</i>	Type: string
<i>smtp_ser_prior</i>	Type: string
<i>smtp_ser_do</i>	Type: string
<i>smtp_ser_port_do</i>	Type: string
<i>smtp_ser_vrf_do</i>	Type: string
<i>smtp_ser_prior_do</i>	Type: string
<i>smtp_ser_got</i>	Type: string
<i>smtp_ser_port_got</i>	Type: string
<i>smtp_ser_vrf_got</i>	Type: string
<i>smtp_ser_prior_got</i>	Type: string
<i>http_prox</i>	Type: string

<i>http_port</i>	Type: string
<i>http_state</i>	Type: string

Command Modes

- /exec

show callhome transport-email

show callhome transport-email

Syntax Description

show	Show running system information
callhome	Show callhome information
transport-email	Show callhome email transport configuration

Command Modes

- /exec

show callhome user-def-cmds

show callhome user-def-cmds

Syntax Description

show	Show running system information
callhome	Show callhome information
user-def-cmds	Show the cli commands configured for each alert group

Command Modes

- /exec

show cdp (cdpd)

```
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
<i>if0</i>	Type: interface
__readonly__	Read only
TABLE_cdp_all	output of show cdp all
<i>intf_id</i>	Type: string Interface Id
<i>port_up</i>	Type: string Port status
<i>cdp_global_enabled</i>	Type: string CDP global status
<i>cdp_intf_enabled</i>	Type: string CDP interface status
<i>oper_mode</i>	Type: string CDP operation mode
<i>refresh_time</i>	Type: string Refresh Time
<i>ttl</i>	Type: string Hold Time

Command Modes

- /exec

show cdp (cdpd)

```
show cdp entry {all| name s0} [ __readonly__ TABLE_cdp_entry_all [ ifindex ] 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
all	Show all CDP entries in database
name	Show a specific CDP entry matching a name
<i>s0</i>	Type: string length: 256
__readonly__	Read only
TABLE_cdp_entry_all	output of show cdp entry all
<i>ifindex</i>	Type: string Interface Index
<i>device_id</i>	Type: string Device Identifier
<i>sysname</i>	Type: string System Name
<i>v4addr</i>	Type: string Interface IP V4 Address
<i>v6addr</i>	Type: string Interface IP V6 Address
<i>platform_id</i>	Type: string Platform Id
<i>capability</i>	Type: string Capability

<i>intf_id</i>	Type: string Interface Id
<i>port_id</i>	Type: string Port Identifier
<i>ttl</i>	Type: string Hold Time
<i>version</i>	Type: string Software Version
<i>version_no</i>	Type: string CDP version number
<i>nativevlan</i>	Type: string NativeVLAN
<i>vtpname</i>	Type: string Vtp Management Domain Name
<i>duplexmode</i>	Type: string Duplex Mode
<i>syslocation</i>	Type: string System Location
<i>v4mgmtaddr</i>	Type: string IP V4 Mgmt Address
<i>v6mgmtaddr</i>	Type: string IP V6 Mgmt Address

Command Modes

- /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
<i>__readonly__</i>	Read only
<i>cdp_global_enabled</i>	Type: string CDP global status
<i>refresh_time</i>	Type: string Refresh Time
<i>ttl</i>	Type: string Hold Time
<i>v2_advertisement</i>	Type: string Show v2 advertisement
<i>deviceid_format</i>	Type: string Show deviceId Format

Command Modes

- /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*]

Syntax Description

show	Show running system information
cdp	Show Cisco Discovery Protocol information
neighbors	Show CDP neighbors
interface	Show CDP neighbors on an interface
<i>if</i>	Type: interface-mrange
<i>__readonly__</i>	Read only
TABLE_cdp_neighbor_brief_info	output of show cdp neighbor - in brief
<i>ifindex</i>	Type: uinteger Interface index
<i>device_id</i>	Type: string System Name (or) Device Identifier
<i>intf_id</i>	Type: string Interface Id
<i>port_id</i>	Type: string Port Identifier
<i>platform_id</i>	Type: string Platform Id
<i>ttl</i>	Type: uinteger Hold Time

capability

Capability

router value: 1

performing level-3 routing

tb-bridge value: 2

performing level-2 transparent bridging

sr-bridge value: 3

performing level-2 source route bridging

switch value: 4

Provides layer-2 and/or layer-3 switching

host value: 5

Host

IGMP_cnd_filtering value: 6

IGMP conditional filtering

Repeater value: 7

Provides level-1 functionality

VoIP_Phone value: 8

Provides voice or data telephony capability

Remotely_managed-device value: 9

Remotely-Managed Device

Supports-STP-Dispute value: 10

Supports-STP-Dispute

Command Modes

- /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	Show CDP neighbors on an interface
<i>if</i>	Type: interface-mrange
__readonly__	Read only
TABLE_cdp_neighbor_detail_info	output of show cdp neighbor detail
<i>ifindex</i>	Type: uinteger Interface index
<i>device_id</i>	Type: string Device Identifier
<i>sysname</i>	Type: string System Name
<i>vtpname</i>	Type: string Vtp Management Domain Name
<i>numaddr</i>	Type: uinteger No of IP Address configured
<i>v4addr</i>	Type: ipaddr Interface IP V4 Address
<i>v6addr</i>	Type: ipv6addr Interface IP V6 Address
<i>platform_id</i>	Type: string Platform Id

<i>capability</i>	<p>Capability</p> <p>router value: 1 performing level-3 routing</p> <p>tb-bridge value: 2 performing level-2 transparent bridging</p> <p>sr-bridge value: 3 performing level-2 source route bridging</p> <p>switch value: 4 Provides layer-2 and/or layer-3 switching</p> <p>host value: 5 Host</p> <p>IGMP_cnd_filtering value: 6 IGMP conditional filtering</p> <p>Repeater value: 7 Provides level-1 functionality</p> <p>VoIP_Phone value: 8 Provides voice or data telephony capability</p> <p>Remotely_managed-device value: 9 Remotely-Managed Device</p> <p>Supports-STP-Dispute value: 10 Supports-STP-Dispute</p>
<i>intf_id</i>	<p>Type: string</p> <p>Interface Id</p>
<i>port_id</i>	<p>Type: string</p> <p>Port Identifier</p>
<i>tth</i>	<p>Type: uinteger</p> <p>Hold Time</p>
<i>version</i>	<p>Type: string</p> <p>Software Version</p>

<i>version_no</i>	CDP version number v1 value: 1 CDP version 1 v2 value: 2 CDP version 2
<i>nativevlan</i>	Type: uinteger NativeVLAN
<i>duplexmode</i>	Duplex Mode half value: 1 half duplex mode full value: 2 full duplex mode
<i>mtu</i>	Type: uinteger MTU
<i>syslocation</i>	Type: string System Location
<i>num_mgmtaddr</i>	Type: uinteger No of Mgmt Address configured
<i>v4mgmtaddr</i>	Type: ipaddr IP V4 Mgmt Address
<i>v6mgmtaddr</i>	Type: ipv6addr IP V6 Mgmt Address

Command Modes

- /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
<i>if2</i>	Type: interface
__readonly__	Read only
TABLE_cdp_traffic	output of show cdp traffic
<i>intf_id</i>	Type: string Interface Id
<i>total_input_packets</i>	Type: string Total input cdp packets
<i>valid_cdp_packets</i>	Type: string Total valid cdp packets
<i>input_v1_packets</i>	Type: string Input vesrion1 packets
<i>input_v2_packets</i>	Type: string Input vesrion2 packets
<i>invalid_cdp_packets</i>	Type: string Invalid cdp packets
<i>unsupported_version</i>	Type: string Packets having unsupported version
<i>checksum_errors</i>	Type: string Packets having checksum errors

<i>malformed_packets</i>	Type: string Total malformed packets
<i>total_output_packets</i>	Type: string Total output packets
<i>output_v1_packets</i>	Type: string Output vesrion1 packets
<i>output_v2_packets</i>	Type: string Output vesrion2 packets
<i>send_errors</i>	Type: string Number of send errors

Command Modes

- /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	Show local application information by name
<i>cfs-dyn-app-name</i>	Type: string length: 60 Registered name of the local application
sap	Show local application information by sap
<i>i0</i>	Type: integer Registered sap of the local application
__readonly__	
enabled	whether application is CFS enabled
<i>enabled</i>	Type: string whether application is CFS enabled
timeout	timeout
<i>timeout</i>	Type: string timeout
merge_capable	merge_capable
<i>merge_capable</i>	Type: string merge_capable
scope	scope
<i>scope</i>	Type: string scope
region	region

show cfs application

<i>region</i>	Type: string region
TABLE_apps	all cfs applications
<i>app_name</i>	Type: string name of cfs application
<i>app_enabled</i>	Type: string whether application is cfs enabled
<i>app_scope</i>	Type: string distribution scope of cfs application

Command Modes

- /exec

show cfs lock

```
show cfs lock [name cfs-dyn-app-name| sap il] [__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	Application name for which the lock status is required
<i>cfs-dyn-app-name</i>	Type: string length: 60 Registered name of the local application
sap	Application sap for which the lock status is required
<i>il</i>	Type: integer Application SAP
__readonly__	
TABLE_locks	table of all CFS locks
<i>app_name</i>	Type: string name of CFS application
<i>app_scope</i>	Type: string scope of CFS application
<i>vsan</i>	Type: string vsan
<i>domain</i>	Type: string domain
<i>wwn</i>	Type: string wwn of switch holding CFS lock
<i>ip_addr</i>	Type: string ip address of switch holding CFS lock

<i>u_name</i>	Type: string user name
<i>u_type</i>	Type: string user type
<i>hostname</i>	Type: string hostname

Command Modes

- /exec

show cfs merge status

```
show cfs merge status [name cfs-dyn-app-name [detail]] sap il [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	Show merge status by name
<i>cfs-dyn-app-name</i>	Type: string length: 60 Registered name of the local application
detail	Show merge status by name in detail
sap	Show merge status by sap
<i>il</i>	Type: integer Application sap
detail2	Show merge status by sap in detail
__readonly__	
scope	distribution scope of application
<i>scope</i>	Type: string scope
merge_status	status
<i>status</i>	Type: string status
failure_reason	reason

<i>reason</i>	Type: string reason
TABLE_all_merge	all
<i>app_name</i>	Type: string name
<i>scope</i>	Type: string scope
<i>vsan</i>	Type: string vsan
<i>status</i>	Type: string status
TABLE_local_fabric	local fabric
<i>domain</i>	Type: string domain
<i>wwn</i>	Type: string wwn
<i>ip_addr</i>	Type: string ip_addr
<i>app_scope</i>	Type: string scope
<i>master</i>	Type: string master
<i>hostname</i>	Type: string hname
TABLE_remote_fabric	remote fabric
<i>domain</i>	Type: string domain
<i>wwn</i>	Type: string wwn

<i>ip_addr</i>	Type: string ip_addr
<i>app_scope</i>	Type: string scope
<i>master</i>	Type: string master
<i>hostname</i>	Type: string hname
TABLE_remaining_fabric	remote fabric
<i>domain</i>	Type: string domain
<i>wwn</i>	Type: string wwn
<i>ip_addr</i>	Type: string ip_addr
<i>hostname</i>	Type: string hname

Command Modes

- /exec

show cfs peers

show cfs peers [*name cfs-dyn-app-name* | **sap** *iI*] [**__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	Show peers for given application name
<i>cfs-dyn-app-name</i>	Type: string length: 60 Registered name of the local application
sap	Show peers for given application sap
<i>iI</i>	Type: integer Application sap
__readonly__	
scope	scope
<i>scope</i>	Type: string scope
TABLE_peers	all peers
<i>wwn</i>	Type: string wwn
<i>ip_addr</i>	Type: string ip_addr
<i>local</i>	Type: string local
<i>hostname</i>	Type: string hname
<i>domain</i>	Type: string domain

Command Modes

- /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	Show all configured regions and applications(no peers)
region	Show all configured applications(no peers)
<i>i0</i>	Type: integer min: 1 max: 200 Region Id
name	Show peers and region information for a given application
<i>cfs-dyn-app-name</i>	Type: string length: 60 Registered name of the local application
region1	Show all configured applications with peers
<i>i1</i>	Type: integer min: 1 max: 200 Region Id
__readonly__	
region	region
<i>id</i>	Type: string id
application	app
<i>name</i>	Type: string name
scope	scope

<i>scope</i>	Type: string scope
TABLE_PEERS	all region peers
<i>wwn</i>	Type: string wwn
<i>ip_addr</i>	Type: string ip_address
<i>local</i>	Type: string local
<i>hostname</i>	Type: string hname
<i>domain</i>	Type: string domain
TABLE_switches	all switches in region
<i>wwn</i>	Type: string wwn
<i>ip_addr</i>	Type: string ip_addr
<i>region</i>	Type: string region
<i>app_name</i>	Type: string name
<i>enabled</i>	Type: string enabled
<i>scope</i>	Type: string scope

Command Modes

- /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
<i>i0</i>	Type: integer min: 1 max: 4093 VSAN id
domain	Show remote applications
<i>i1</i>	Type: integer min: 0 max: 255 Enter the domain id

Command Modes

- /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
<i>i0</i>	Type: integer min: 1 max: 4093 VSAN id
__readonly__	
local	local
<i>domain</i>	Type: string domain
TABLE_switches	all remote switches
<i>remote_domain</i>	Type: string rdomain
<i>wwn</i>	Type: string wwn

Command Modes

- /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 Modes

- /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__	
distribution	runtime status of CFS distribution
<i>distribution</i>	Type: string operational status of CFS distribution
distribution_over_ip	runtime information of CFS overIP
<i>dist_over_ip</i>	Type: string operational status of CFS overIP
ipv4_multicast_address	ipv4 multicast address
<i>ipv4_mcast_addr</i>	Type: string ipv4 multicast address
ipv6_multicast_address	ipv6 multicast address
<i>ipv6_mcast_addr</i>	Type: string ipv6 multicast address
distribution_over_ethernet	runtime status if CFS over Ethernet
<i>dist_over_eth</i>	Type: string operations status of CFS over Ethernet

Command Modes

- /exec

show checkpoint (cfg_rollback)

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
<i>chkpoint_name</i>	Type: string length: 80 Checkpoint name
all	Show default config
__readonly__	Read only
TABLE_checkpoint_details	Checkpoint details
<i>name1</i>	Type: string length: 80 Checkpoint name
<i>checkpoint_config</i>	Type: string length: 255 Configuration entry from checkpoint

Command Modes

- /exec

show checkpoint (cfg_rollback)

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	Show default config
user	Show only user configuration rollback checkpoints
system	Show only system configuration rollback checkpoints
__readonly__	Read only
TABLE_checkpoint_details	checkpoint details
<i>name</i>	Type: string length: 80 Checkpoint name
<i>checkpoint_config</i>	Type: string length: 255 Configuration entry from checkpoint

Command Modes

- /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	Show only user configuration rollback checkpoints summary
system	Show only system configuration rollback checkpoints summary
__readonly__	Read only
TABLE_checkpoint_header_info	Checkpoint header info
<i>user_name</i>	Type: string length: 31 Username
<i>name</i>	Type: string length: 80 Checkpoint name
<i>file_path</i>	Type: string length: 128 Checkpoint name
<i>timestamp</i>	Type: integer Timestamp of checkpoint creation
<i>chkpt_type</i>	Type: integer Type of checkpoint either user or system
<i>description</i>	Type: remainder Checkpoint description

Command Modes

- /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 ] [ prot ] [ input-iface-list ]
[ exp-list ]]]]
```

Syntax Description

xxx	xxx Not available in this release.
yyy	yyy Not available in this release.
zzz	zzz Not available in this release.
show	Show running system information
class-map	Show class maps
type	Type of the class-map
qos	type qos
queuing	type queuing
<i>cmap-name</i>	Type: string antipattern: type typ ty t class-default class default length: 40 class map name

cmap-enum-name

2q4t-in-q1 value: 1

Ingress queue 1 of 2q4t type

2q4t-in-q-default value: 2

Ingress default queue of 2q4t type

8q2t-in-q1 value: 3

Ingress queue 1 of 8q2t type

8q2t-in-q2 value: 4

Ingress queue 2 of 8q2t type

8q2t-in-q3 value: 5

Ingress queue 3 of 8q2t type

8q2t-in-q4 value: 6

Ingress queue 4 of 8q2t type

8q2t-in-q5 value: 7

Ingress queue 5 of 8q2t type

8q2t-in-q6 value: 8

Ingress queue 6 of 8q2t type

8q2t-in-q7 value: 9

Ingress queue 7 of 8q2t type

8q2t-in-q-default value: 10

Ingress default queue of 8q2t type

1p3q4t-out-pq1 value: 11

Egress priority queue of 1p3q4t type

1p3q4t-out-q2 value: 12

Egress queue 2 of 1p3q4t type

1p3q4t-out-q3 value: 13

Egress queue 3 of 1p3q4t type

1p3q4t-out-q-default value: 14

Egress default queue of 1p3q4t type

1p7q4t-out-pq1 value: 15

Egress priority queue of 1p7q4t type

1p7q4t-out-q2 value: 16

Egress queue 2 of 1p7q4t type

1p7q4t-out-q3 value: 17

Egress queue 3 of 1p7q4t type
1p7q4t-out-q4 value: 18
 Egress queue 4 of 1p7q4t type
1p7q4t-out-q5 value: 19
 Egress queue 5 of 1p7q4t type
1p7q4t-out-q6 value: 20
 Egress queue 6 of 1p7q4t type
1p7q4t-out-q7 value: 21
 Egress queue 7 of 1p7q4t type
1p7q4t-out-q-default value: 22
 Egress default queue of 1p7q4t type

default-cmap-enum-name

in-q1 value: 1
 Ingress queue 1 for default policy
in-q-default value: 2
 Ingress default queue for default policy
out-pq1 value: 3
 Egress priority queue for default policy
out-q2 value: 4
 Egress queue 2 for default policy
out-q3 value: 5
 Egress queue 3 for default policy
out-q-default value: 6
 Egress default queue for default policy

cmap-dce-name

Type: string
 antipattern: type | typ | ty | t | class-default | class | default
 length: 40
 Queuing class-map name

cmap-name-hque

Type: string
 antipattern: type | typ | ty | t | class-default | class | default
 length: 40
 Hierarchical class-map name

color-map-enum-name

__readonly__	
<i>display-all</i>	Type: integer Display all kinds of class-maps
TABLE_cmap	all cmap xml sessions
<i>cmap-key</i>	Type: string Class-map name: xml key
TABLE_match	all match xml sessions
<i>match-key</i>	Type: uinteger match count: xml key
<i>cmap-name-out</i>	Type: string Class-map name
<i>xqos-or-q</i>	qos value: 1 qos policy queuing value: 2 queuing policy
<i>any_or_all</i>	Enter match-any or match-all match-any value: 1 Logical-OR all match statements under this classmap match-all value: 2 Logical-AND all match statements under this classmap
<i>id</i>	Type: uinteger Class-map ID
<i>desc</i>	Type: string length: 200 Description string
<i>not</i>	Type: uinteger Negate this match result
<i>dscp-list</i>	Type: integer-mrange List of DSCP values

<i>precedence-list</i>	Type: integer-mrange List of precedence values
<i>cos-list</i>	Type: integer-mrange List of class-of-service values
<i>qos-group-list</i>	Type: integer-mrange List of qos-group values
<i>discard-class-list</i>	Type: integer-mrange List of discard-class values
<i>vlan-list</i>	Type: vlan-mrange List of vlan-ids
<i>match-cmap-name</i>	Type: string class-map name
<i>match-acl-name</i>	Type: string Match class-map name
<i>note-string</i>	Type: string length: 300 Placeholder string param to display any info in string format
<i>pkt-len-list</i>	Type: integer-mrange Packet length multi-range
<i>rtp-port-list</i>	Type: integer-mrange IP RTP UDP port multi-range
<i>prot</i>	Type: integer Protocol
<i>input-iface-list</i>	Type: interface-mrange Input Interface multi-range
<i>exp-list</i>	Type: integer-mrange List of MPLS exp values

Command Modes

- /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_except*] [**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
<i>cmap-name</i>	Type: string length: 64 Name of the class-map
__readonly__	
TABLE_cmap	all cmap xml sessions
<i>cmap-name-out</i>	Type: string Name of the class-map
<i>cmap-key</i>	Type: string Class-map name: xml key
<i>opt_any_or_all</i>	Enter match-any or match-all match-any value: 1 Logical-OR all match statements under this classmap match-all value: 2 Logical-AND all match statements under this classmap
TABLE_match	all match xml sessions
<i>match-key</i>	Type: uinteger match count: xml key
access_grp	
<i>acc_grp_name</i>	Type: string
redirect	

opt_match_redirect Match criteria for redirected packets

dhcp-snoop value: 3

Match redirected packets for dhcp

arp-inspect value: 6

Match redirected packets for arp-inspect

exception

opt_match_except

Match criteria for exception packets

ip-option value: 1

Match exception packets for ip-options

ip-icmp-redirect value: 2

Match exception packets for ip-icmp-redirect

ip-icmp-unreachable value: 3

Match exception packets for ip-icmp-unreachable

urpf-failure value: 4

Match exception packets for urpf-failure

second-mrpf-failure value: 5

Match exception packets for second-mrpf-failure

ttl-failure value: 6

Match exception packets for ttl-failure

glean value: 7

Match exception packets for glean

ipv6-option value: 8

Match exception packets for ipv6-options

ipv6-icmp-redirect value: 9

Match exception packets for ipv6-icmp-redirect

ipv6-icmp-unreachable value: 10

Match exception packets for ipv6-icmp-unreachable

mtu-failure value: 11

Match exception packets for mtu-failure

multicast-rpf-failure value: 12

Match exception packets for multicast rpf-failure

multicast-directly-connected-sources value: 13

Match exception packets for multicast directly-connected-sources

ip-municast value: 14

Match exception packets for ip-municast

ipv6-municast value: 15

Match exception packets for ipv6-municast

fcoe-fib-miss value: 16

Match Exception Packets for FCoE FIB Miss

multicast-dest-miss value: 17

Match Exception Packets for IP Multicast Destination Lookup Miss
multicast-sg-rpf-failure value: 18
Match exception packets for multicast sg rpf check failure

protocol

opt_match_protocol Match criteria for protocol packets

arp value: 1
IP ARP

mpls value: 13
Multi-protocol Label Switching

otv value: 17
OTV Overlay IS-IS frames

mpls_exp6 value: 18
MPLS Exp 6

Command Modes

- /exec

show class-map type network-qos

show class-map type network-qos [*cmap-name-nq*] [**__readonly__** *display-all desc xmap-name cos-list qos-group-list protocol*]

Syntax Description

show	Show running system information
class-map	Show class maps
type	Type of the class-map
<i>cmap-name-nq</i>	Type: string antipattern: type typ ty t class-default class default length: 40 Class-map name
network-qos	type network-qos
__readonly__	
<i>display-all</i>	Type: integer Display all network-qos class-maps
<i>desc</i>	Type: string length: 200 Description string
<i>xmap-name</i>	Type: string Class-map name
<i>protocol</i>	Type: integer protocol
<i>cos-list</i>	Type: integer-mrange List of class-of-service values
<i>qos-group-list</i>	Type: integer-mrange List of qos-group values

Command Modes

- /exec

show cli alias

```
show cli alias [name s0]
```

Syntax Description

show	Show running system information
cli	Show CLI information
alias	Display the alias configuration
name	Display a specific alias
<i>s0</i>	Type: string length: 30 Specify the alias

Command Modes

- /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
<i>name</i>	Type: string name of the dynamic parameter
<i>__readonly__</i>	
<i>TABLE_dynamic_integers</i>	
<i>name-o</i>	Type: string
<i>min</i>	Type: integer
<i>max</i>	Type: integer

Command Modes

- /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
<i>name</i>	Type: string name of the dynamic parameter
<i>__readonly__</i>	
<i>TABLE_dynamic_strings</i>	
<i>name-o</i>	Type: string
<i>value</i>	Type: string

Command Modes

- /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
<i>count</i>	Type: integer number of lines to display (from end)
unformatted	display just the commands
this-mode-only	display history from current mode only
exec-mode	display history of exec commands only
config-mode	display history of config commands only

Command Modes

- /exec

show cli interface table

show cli interface table

Syntax Description

show	show
cli	cli
interface	interface
table	table

Command Modes

- /exec

show cli list

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

Syntax Description

<code>show</code>	Show running system information
<code>cli</code>	Show CLI information

Command Modes

- /exec

show cli registry

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

Syntax Description

show	Show running system information
-------------	---------------------------------

Command Modes

- /exec

show cli syntax

`show cli syntax [long] recurse| has-xml-out| has-no-xml-out]+ [roles [network-admin| network-operator| roles-mask]] [has-xml-out| has-no-xml-out]`

Syntax Description

<code>show</code>	Show running system information
<code>cli</code>	Show CLI information

Command Modes

- /exec

show cli variables

show cli variables

Syntax Description

show	Show running system information
cli	Show CLI information
variables	Show CLI variables

Command Modes

- /exec

show clock

show clock [**detail**] [**__readonly__** *simple_time* [*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	Display current date and summertime configuration
__readonly__	
<i>simple_time</i>	Type: string simple clock format
<i>daylight_zone</i>	Type: string summer-time daylight zone
<i>daylight_start_week</i>	Type: integer daylight start week
<i>daylight_start_weekday</i>	Type: string daylight start weekday
<i>daylight_start_month</i>	Type: string daylight start month
<i>daylight_start_time</i>	Type: string daylight start time
<i>daylight_end_week</i>	Type: integer daylight end week
<i>daylight_end_weekday</i>	Type: string daylight end weekday
<i>daylight_end_month</i>	Type: string daylight end month
<i>daylight_end_time</i>	Type: string daylight end time

<i>daylight_utc_min_offset</i>	Type: integer
	daylight utc offset

Command Modes

- /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 Modes

- /exec

show configuration session (ssnmgr)

show configuration session [__readonly__ *ssn-name* *ssn-cmd-num* *command*+ *trlr*]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
<u>__readonly__</u>	Read only
<i>ssn-name</i>	Type: string
<i>ssn-cmd-num</i>	Type: uinteger
<i>command</i>	Type: string
<i>trlr</i>	Type: string

Command Modes

- /exec

show configuration session (ssnmgr)

show configuration session *s3* [**__readonly__** *ssn-name ssn-cmd-num command*+]]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
<i>s3</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* length: 64 Shows configuration session given a name
__readonly__	Read only
<i>ssn-name</i>	Type: string
<i>ssn-cmd-num</i>	Type: uinteger
<i>command</i>	Type: string

Command Modes

- /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__	Read only
<i>max-ssns</i>	Type: uinteger
<i>max-cmds</i>	Type: uinteger
<i>curr-num-ssns</i>	Type: uinteger
<i>curr-num-cmds</i>	Type: uinteger

Command Modes

- /exec

show configuration session status

show configuration session status [*s3*] [**__readonly__** *ssn-name last-action ac-tstamp ac-status ac-reason failed-cmd-num+ failed-cmd+ last-vfy-cmd-num last-vfy-cmd last-vfy-tstamp+ rollback-status+ trlr*]

Syntax Description

show	Show running system information
configuration	Show information about configuration sessions
session	Show active configuration sessions
status	Show configuration session-mgr status
<i>s3</i>	Type: string pattern: [a-zA-Z0-9_][a-zA-Z0-9_-]* length: 64 Shows configuration session status given a name
__readonly__	Read only
<i>ssn-name</i>	Type: string
<i>last-action</i>	Type: string
<i>ac-tstamp</i>	Type: string
<i>ac-status</i>	Type: string
<i>ac-reason</i>	Type: integer
<i>failed-cmd-num</i>	Type: integer
<i>failed-cmd</i>	Type: string
<i>last-vfy-cmd-num</i>	Type: integer
<i>last-vfy-cmd</i>	Type: string
<i>last-vfy-tstamp</i>	Type: string
<i>rollback-status</i>	Type: integer
<i>trlr</i>	Type: string

Command Modes

- /exec

show configuration session summary

show configuration session summary [**__readonly__** *hdr ssn-name username tstamp+ trlr*]

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__	Read only
<i>hdr</i>	Type: string
<i>ssn-name</i>	Type: string
<i>username</i>	Type: string
<i>tstamp</i>	Type: string
<i>trlr</i>	Type: string

Command Modes

- /exec

show consistency-checker forwarding ipv6show 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	unicast
vrf	check routes for a specific VRF
<i>vrf-name</i>	Type: string VRF name
module	check routes for a specific module
<i>module</i>	Type: integer module number
all_modules	all module's
all_vrfs	all vrf's
__readonly__	
TABLE_inconsistency	
<i>idipv6</i>	Type: integer
<i>slotipv6</i>	Type: integer
<i>unitipv6</i>	Type: integer
<i>vrfipv6</i>	Type: vrf
<i>ipv6addr</i>	Type: ipv6addr

show consistency-checker forwarding ipv6show forwarding ipv6 inconsistency

<i>ipv6prefix</i>	Type: ipv6prefix
<i>interfaceipv6</i>	Type: interface
<i>reasonipv6</i>	Type: string

Command Modes

- /exec

show consistency-checker forwardingshow 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	ipv4
ipv4	ipv4
unicast	unicast
vrf	check routes for a specific VRF
<i>vrf-name</i>	Type: string VRF name
module	check routes for a specific module
<i>module</i>	Type: integer module number
all_modules	all module's
all_vrfs	all vrf's
__readonly__	
TABLE_inconsistency	
<i>id</i>	Type: integer
<i>slot</i>	Type: integer
<i>unit</i>	Type: integer
<i>vrf</i>	Type: vrf

show consistency-checker forwarding
show forwarding inconsistency

<i>ipaddr</i>	Type: ipaddr
<i>ipprefix</i>	Type: ipprefix
<i>interface</i>	Type: interface
<i>reason</i>	Type: string

Command Modes

- /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	Port-channel number
<i>ch-id</i>	Type: interface Port-Channel name

Command Modes

- /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
<i>profile_type</i>	CoPP Profile Types strict value: 1 The Strict Profile moderate value: 2 The Moderate Profile lenient value: 3 The Lenient Profile dense value: 4 The Dense Profile
prior-ver	Previous Configured Version
profile2	CoPP Profile
<i>profile_type2</i>	CoPP Profile Types strict value: 1 The Strict Profile moderate value: 2 The Moderate Profile lenient value: 3 The Lenient Profile dense value: 4 The Dense Profile

Command Modes

- /exec

show copp profile

```
show copp profile {strict| moderate| lenient| dense} [ __readonly__ acl-type acl-grp-name 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 cmap_name opt_any_or_all {access_grp acc_grp_name|
redirect opt_match_redirect| exception opt_match_except protocol opt_match_protocol}+ pmap_name
class-name 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} {cos [inner] cos-val| dscp [tunnel] dscp-val| precedence [tunnel1]
prec-val policer_show_flags set_vld_flg}+]
```

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__	Read Only
<i>acl-type</i>	Type: uinteger access-list type
<i>acl-grp-name</i>	Type: string name of the access-list
<i>permitdeny</i>	permit/deny deny value: 1 acl rule deny permit value: 2 acl rule permit

<i>proto</i>	Type: uinteger min: 0 max: 255 A protocol number
<i>proto_str</i>	Type: string Protocol name
<i>ip</i>	IP ip value: 1 IP Protocol
<i>ipv6</i>	IPV6 ipv6 value: 1 IPv6 Protocol
<i>src_any</i>	SRCAny any value: 1 Any IP address
<i>dest_any</i>	DESTAny any value: 1 Any IP address
<i>src_ip_prefix</i>	Type: ipprefix Source IP prefix
<i>src_ip_addr</i>	Type: ipaddr Source IP address
<i>src_ip_mask</i>	Type: ipaddr Source IP mask
<i>src_ipv6_prefix</i>	Type: ipv6prefix Source IPv6 prefix
<i>src_mac_addr</i>	Type: ethernet Source MAC address
<i>src_mac_mask</i>	Type: ethernet Source MAC mask

<i>src_mac_any</i>	SRCMACAny any value: 1 ANY MAC address
<i>dest_ip_prefix</i>	Type: ipprefix Destination IP prefix
<i>dest_ip_addr</i>	Type: ipaddr Destination IP address
<i>dest_ip_mask</i>	Type: ipaddr Destination IP mask
<i>dest_ipv6_prefix</i>	Type: ipv6prefix Destination IPv6 prefix
<i>dest_mac_addr</i>	Type: ethernet Destination MAC address
<i>dest_mac_mask</i>	Type: ethernet Destination MAC mask
<i>dest_mac_any</i>	DESTMACAny any value: 1 ANY MAC address
<i>src_port_op</i>	Source Port operator lt value: 4 Match only packets with a lower port number gt value: 5 Match only packets with a higher port number eq value: 6 Match only packets with a equal port number neq value: 7 Match only packets with a diff port number range value: 8 Match only packets in range

<i>dest_port_op</i>	Destination Port operator lt value: 4 Match only packets with a lower port number gt value: 5 Match only packets with a higher port number eq value: 6 Match only packets with a equal port number neq value: 7 Match only packets with a diff port number range value: 8 Match only packets in range
<i>src_port1_str</i>	Type: string Source port name
<i>src_port1_num</i>	Type: uinteger Source port number
<i>src_port2_str</i>	Type: string Source port name
<i>src_port2_num</i>	Type: uinteger Source port number
<i>dest_port1_str</i>	Type: string Destination port name
<i>dest_port1_num</i>	Type: uinteger Destination port number
<i>dest_port2_str</i>	Type: string Destination port name
<i>dest_port2_num</i>	Type: uinteger Destination port number
<i>icmp_type</i>	Type: uinteger ICMP type
<i>icmp_code</i>	Type: uinteger ICMP code

<i>icmp_str</i>	Type: string ICMP message
<i>icmpv6_type</i>	Type: uinteger ICMP type
<i>icmpv6_code</i>	Type: uinteger ICMP code
<i>icmpv6_str</i>	Type: string ICMP message
<i>src_addrgrp</i>	Type: string Source address group
<i>dest_addrgrp</i>	Type: string Destination address group
<i>src_portgrp</i>	Type: string Source port group
<i>dest_portgrp</i>	Type: string Destination port group
<i>eth_proto</i>	Type: hex MAC protocol number
<i>newline</i>	Type: string newline between access-list and cmaps
<i>cmap_name</i>	Type: string Name of the class-map
<i>opt_any_or_all</i>	Enter match-any or match-all match-any value: 1 Logical-OR all match statements under this classmap match-all value: 2 Logical-AND all match statements under this classmap
access_grp	
<i>acc_grp_name</i>	Type: string
redirect	

opt_match_redirect

Match criteria for redirected packets

dhcp-snoop value: 3

Match redirected packets for dhcp

arp-inspect value: 6

Match redirected packets for arp-inspect

exception

opt_match_except

Match criteria for exception packets

ip-option value: 1

Match exception packets for ip-options

ip-icmp-redirect value: 2

Match exception packets for ip-icmp-redirect

ip-icmp-unreachable value: 3

Match exception packets for ip-icmp-unreachable

urpf-failure value: 4

Match exception packets for urpf-failure

second-mrpf-failure value: 5

Match exception packets for second-mrpf-failure

ttl-failure value: 6

Match exception packets for ttl-failure

glean value: 7

Match exception packets for glean

ipv6-option value: 8

Match exception packets for ipv6-options

ipv6-icmp-redirect value: 9

Match exception packets for ipv6-icmp-redirect

ipv6-icmp-unreachable value: 10

Match exception packets for ipv6-icmp-unreachable

mtu-failure value: 11

Match exception packets for mtu-failure

multicast-rpf-failure value: 12

Match exception packets for multicast rpf-failure

multicast-directly-connected-sources value: 13

Match exception packets for multicast directly-connected-sources

ip-municast value: 14

Match exception packets for ip-municast

ipv6-municast value: 15

Match exception packets for ipv6-municast

fcoe-fib-miss value: 16

Match Exception Packets for FCoE FIB Miss

multicast-dest-miss value: 17

Match Exception Packets for IP Multicast Destination Lookup Miss

multicast-sg-rpf-failure value: 18

Match exception packets for multicast sg rpf check failure

protocol

opt_match_protocol Match criteria for protocol packets

arp value: 1

IP ARP

mpls value: 13

Multi-protocol Label Switching

otv value: 17

OTV Overlay IS-IS frames

mpls_exp6 value: 18

MPLS Exp 6

pmap_name Type: string
Name of the Policy-map

class-name Type: string
Name if the policy member

cir Type: long
Committed Information Rate in bps/kbps/mbps/gbps

opt_kbps_mbps_gbps_pps_cir Units
pps value: 8
Packets per second

percent

cir-perc Type: long
Percent specification for cir

pir Type: long
Peak Information Rate in bps/kbps/mbps/gbps

<i>opt_kbps_mbps_gbps_pps_pir</i>	Units
	bps value: 1
	Bits per second
	kbps value: 2
	Kilo Bits per second
	mbps value: 3
	Mega Bits per second
	gbps value: 4
	Giga Bits per second
	pps value: 8
	Packets per second

percent1	
<i>pir-perc</i>	Type: long Percent specification for pir
<i>bc</i>	Type: long Committed Information size in bytes/kbytes/mbytes/packets/ms/us

<i>opt_kbytes_mbytes_gbytes_bc</i>	Units
	packets value: 8
	Packets

<i>be</i>	Type: long Peak Information size in bytes/kbytes/mbytes/packets/ms/us
-----------	--

<i>opt_kbytes_mbytes_gbytes_be</i>	Units
	bytes value: 1
	Bytes
	kbytes value: 2
	Kilo Bytes
	mbytes value: 3
	Mega Bytes
	packets value: 8
	Packets
	ms value: 5
	Milli seconds
	us value: 6
	Micro seconds

<i>opt_drop_transmit_conform</i>	Set the action
	transmit value: 1
	Transmit the packet

set-cos-transmit

<i>set-cos-val</i>	Type: uinteger
	Conform action cos val

set-dscp-transmit

<i>set-dscp-val</i>	Type: uinteger
	Conform action dscp val

set-prec-transmit

<i>set-prec-val</i>	Type: uinteger
	Conform action prec val

<i>opt_drop_transmit_exceed</i>	Set the action
	drop value: 2
	Drop the packet
	transmit value: 1
	Transmit the packet

set

dscp1	
dscp2	
table	
cir-markdown-map	
<i>opt_drop_transmit_violate</i>	Set the action
	drop value: 2
	Drop the packet
set1	
dscp3	
dscp4	
table1	
pir-markdown-map	
cos	
inner	
<i>cos-val</i>	Type: uinteger
	Set cos val
dscp	
tunnel	
<i>dscp-val</i>	Type: uinteger
	Set dscp val
precedence	
tunnel1	
<i>prec-val</i>	Type: uinteger
	Set prec val
<i>policer_show_flags</i>	Type: uinteger
	Policer show flags
<i>set_vld_flg</i>	Type: uinteger
	Set valid flag

Command Modes

- /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
<u>__readonly__</u>	
last_config_operation	last config operation
<i>last_cfg_oper</i>	Type: string last config operation
last_config_operation_time	timestamp of last config operation
<i>last_cfg_oper_time</i>	Type: string timestamp of last config operation
last_config_operation_status	status of last config operation
<i>last_cfg_oper_status</i>	Type: string status of last config operation
last_config_operation_error_time	timestamp of last config operation's error
<i>last_cfg_oper_error_time</i>	Type: string timestamp of last config operation's error
last_config_operation_error	last config operation's error
<i>last_cfg_oper_error</i>	Type: string last config operation's error
service_policy	policy-map attached to control-plane
<i>srv_policy</i>	Type: string policy-map attached to control-plane

Command Modes

- /exec

show copyright

show copyright [*__readonly__ content*]

Syntax Description

show	Show running system information
copyright	Copyright information
<i>__readonly__</i>	
<i>content</i>	Type: string Copyright information

Command Modes

- /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	show core dumps from all vdc's
vdc	show all core dumps for the vdc
__readonly__	
TABLE_cores	
<i>vdc_id</i>	Type: integer vdc id
<i>module_id</i>	Type: integer module id
<i>instance</i>	Type: integer instance number
<i>process_name</i>	Type: string name of the process
<i>pid</i>	Type: string process id
<i>sys_time</i>	Type: string core generate time
<i>e-vdc2</i>	Type: userdef Enter VDC <vdc-id>
<i>vdc-id</i>	Type: integer min: 1 max: 17 vdc number

Command Modes

- /exec

show crypto ca certificates (certen_tree)

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
<i>s0</i>	Type: string length: 64 trustpoint label
__readonly__	
Trustpoint	Trustpoint
<i>trustpoint</i>	Type: string Trustpoint
Certificate	Certificate
<i>certificate</i>	Type: string Certificate
TABLE_ca_cert_chains	Table of CA certificates in chain
<i>index</i>	Type: string CA Certificate Index
<i>ca_certificate</i>	Type: string CA certificate

Command Modes

- /exec

show crypto ca certificates (certen_tree)

```
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
<i>__readonly__</i>	
TABLE_ca_certificates	Table of CA certificates
<i>trustpoint</i>	Type: string Trustpoint name
<i>certificate</i>	Type: string Certificate
TABLE_ca_cert_chains	Table of CA certificates in chain
<i>index</i>	Type: string CA Certificate Index
<i>ca_certificate</i>	Type: string CA certificate

Command Modes

- /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
<i>__readonly__</i>	
<i>certstore_lookup</i>	Certificate store lookup
<i>lookup_type</i>	Type: string Lookup type

Command Modes

- /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
<i>s0</i>	Type: string length: 64 trustpoint label
__readonly__	
Trustpoint	Trustpoint
<i>trustpoint</i>	Type: string Trustpoint
CRL	Certificate Revocation List
<i>crl</i>	Type: string Certificate Revocation List

Command Modes

- /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__	
remote_cert_store	Remote cert store
<i>rem_cert_store</i>	Type: string Remote certificate store
crl_timer	CRL timer
<i>crltimer</i>	Type: string CRL timer
ldap_server_group	LDAP Server Group
<i>ldap_server_grp</i>	Type: string LDAP Server Group

Command Modes

- /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
<u>__readonly__</u>	
<i>trustpoint</i>	Type: string Trustpoint
<i>key-pair</i>	Type: string Key pair
TABLE_revocation_methods	Table of revocation methods
<i>revocation-method</i>	Type: string Revocation mehtod
<i>ocsp-url</i>	Type: string OCSP URL
TABLE_ca_truspoints	Table of CA trustpoints

Command Modes

- /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
<i>__readonly__</i>	
TABLE_certmap	Table of Certificate Map
<i>map_name</i>	Type: string Map name
<i>subject_name</i>	Type: string Subject name
<i>alternate_email</i>	Type: string Alternate Email
<i>alternate_upn</i>	Type: string Alternate UPN

Command Modes

- /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__	
TABLE_rsa_keys	Table of RSA keys
<i>key_label</i>	Type: string Key Lable
<i>key_size</i>	Type: string Key size
<i>exportable</i>	Type: string Exportable
<i>err_string</i>	Type: string Error String

Command Modes

- /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__	
TABLE_ssh_auth_map	Table of SSH Auth MAP
<i>issuer_name</i>	Type: string Issuer Name
<i>map1</i>	Type: string Map 1
<i>map2</i>	Type: string Map 2

Command Modes

- /exec

show current

show current

Syntax Description

show	Display region configurations
current	Display mst configuration currently used

Command Modes

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