P Show Commands

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

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

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

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 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

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>] |

Syntax Description

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)

Command Mode

- /exec

show poap internal errors

show poap internal [event-history] errors

Syntax Description

Syntax Description

show	Show running system information
poap	Show information about poap
internal	Show internal poap information
event-history	(Optional) Show various event logs of Poaps
errors	Show error logs of POAP

Command Mode

- /exec

show poap internal info

show poap internal info [{ global | vsan <i0> }]

Syntax Description

Syntax Description

show	Show running system information
poap	Show information about poap
internal	Show internal poap information
info	Show internal data structure information
global	(Optional) Display poap global info
vsan	(Optional) Enter the vsan id
i0	(Optional)

Command Mode

- /exec

show poap internal mem-stats

show poap internal mem-stats [detail]

Syntax Description

Syntax Description

show	Show running system information
poap	Show information about poap
internal	Show internal poap information
mem-stats	Show memory allocation statistics of POAP
detail	(Optional) Show detail memstats for F_Port Server

Command Mode

- /exec

show poap internal msgs

show poap internal [event-history] msgs

Syntax Description

Syntax Description

show	Show running system information
poap	Show information about poap
internal	Show internal poap information
event-history	(Optional) Show various event logs of Poaps
msgs	Show various message logs of POAP

Command Mode

- /exec

show poap internal vsan

show poap internal [event-history] vsan <i0>

Syntax Description

Syntax Description

show	Show running system information
poap	Show information about poap
internal	Show internal poap information
event-history	(Optional) Show various event logs of Poaps
vsan	vsan id:Enter the vsan number.
i0	Enter vsan id

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>] [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>] [<rdet-burst-opt>] [<rdet-mesh-opt>]] [<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>]]]]] }]

Syntax Description

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_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
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-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

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
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

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

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

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>] [<desc>] [<xpmap-name>] [<xcmap-name>] [<cos-list>] [<qos-group-list>] [<protocol>] [<timeout>] [<pause> <size-in-bytes> <xoff-bytes> <xon-bytes>] [<pfc-cos-list>] [<cc>] [<thresh-units>] [<min-thresh>] [<max-thresh>] [<drop-prob>] [<iod>] [<mtu>] [<set-cos>] [<dpp>] [<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>] [TABLE_rdet <rdet-key> [<rdet-values>] [<rdet-min-thresh>] [<rdet-size-units>] [<rdet-max-thresh>] [<rdet-drop-prob>] [<rdet-weight>] [<rdet-ecn>] [<rdet-cap-average>] [<rdet-burst-opt>] [<rdet-mesh-opt>]] [TABLE_afd <afd-key> [<afd-values>] [<afd-queue-desired>] [<afd-size-units>] [<afd-ecn>]] [<pause> <size-in-bytes> <xoff-bytes> <xon-bytes>]]]] }]

Syntax Description

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
xpmap-name	(Optional) Policy-map name
desc	(Optional) Description string
xcmap-name	(Optional) Class-map name
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
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
protocol	(Optional) protocol
cos-list	(Optional) List of class-of-service values
qos-group-list	(Optional) List of qos-group values
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)
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-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

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> <desc> <xpmap-name> <xcmap-name> <pause> <timeout> <size-in-bytes> <xoff-bytes> <xon-bytes> <pfc-cos-list> <cc> <thresh-units> <min-thresh> <max-thresh> <drop-prob> <iod> <mtu> <set-cos> <dpp> }]

Syntax Description

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
xpmap-name	(Optional) Policy-map name
desc	(Optional) Description string
xcmap-name	(Optional) Class-map name
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

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

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 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>]

Syntax Description

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

Command Mode

- /exec

show port-channel load-balance internal algorithm

show port-channel load-balance internal algorithm

Syntax Description

Syntax Description

show	Show running system information
port-channel	Show port-channel information
load-balance	Show port-channel load balance
internal	internal
algorithm	HG port-channel load balance algo

Command Mode

- /exec

show port-profile

show port-profile [name <all_profile_name>] [__readonly__ <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

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)
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

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__ <profile_name> <intf> <intf_cfg>]

Syntax Description

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)
profile_name	(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

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

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

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

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

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

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

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

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

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

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

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

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

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 private-vlan internal event-history errors

show private-vlan internal event-history errors

Syntax Description

Syntax Description

show	Show running system information
private-vlan	Show information about private VLAN
internal	Show internal information about private VLAN
event-history	Show various event logs of private VLAN
errors	Show internal error logs of private VLAN

Command Mode

- /exec

show private-vlan internal event-history events

show private-vlan internal event-history events

Syntax Description

Syntax Description

show	Show running system information
private-vlan	Show information about private VLAN
internal	Show internal information about private VLAN
event-history	Show various event logs of private VLAN
events	Show internal events of private VLAN

Command Mode

- /exec

show private-vlan internal event-history traces

show private-vlan internal event-history traces

Syntax Description

Syntax Description

show	Show running system information
private-vlan	Show information about private VLAN
internal	Show internal information about private VLAN
event-history	Show various event logs of private VLAN
traces	Show internal traces of private VLAN

Command Mode

- /exec

show private-vlan internal info

show private-vlan internal info [global | all]

Syntax Description

Syntax Description

show	Show running system information
private-vlan	Show information about private VLAN
internal	Show internal information about private VLAN
info	Show internal information of private VLAN
global	(Optional) Show global internal information of private VLAN
all	(Optional) Show all internal information of private VLAN

Command Mode

- /exec

show private-vlan internal mem-stats

show private-vlan internal mem-stats [detail]

Syntax Description

Syntax Description

show	Show running system information
private-vlan	Show information about private VLAN
internal	Show internal information about private VLAN
mem-stats	Show internal memory statistics of private VLAN
detail	(Optional) Show detailed internal memory statistics of private VLAN

Command Mode

- /exec

show privilege

show privilege

Syntax Description

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

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

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

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 module

show processes cpu module <i0> [__readonly__ { [TABLE_process_cpu <pid> <runtime> <invoked> <usecs> <onesec> <process>] [<user_percent>] [<kernel_percent>] [<idle_percent>] }]

Syntax Description

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

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

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

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

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

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

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 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

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>

Syntax Description

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Enter Virtual Device Context <vdc-id>

Command Mode

- /exec

show processes vdc cpu

show processes vdc <e-vdc2> cpu

Syntax Description

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

Command Mode

- /exec

show processes vdc log

show processes vdc <e-vdc2> log

Syntax Description

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

Command Mode

- /exec

show processes vdc log details

show processes vdc <e-vdc2> log details

Syntax Description

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

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

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

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

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__ { TABLE_ptp <ptp-ifindex> <state> } <ptp-end>]

Syntax Description

Syntax Description

ptp	Precision Time Protocol (IEEE 1588) Subsystem
brief	port states in brief
__readonly__	(Optional) Read Only
TABLE_ptp	(Optional) ptp table
ptp-ifindex	(Optional) ptp ifindex
ptp-end	(Optional) End of table
state	(Optional) BMC state

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>]

Syntax Description

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

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

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

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
ptp-end	(Optional) End of table

Command Mode

- /exec

show ptp counters interface

show ptp counters { interface <if0> | all } [__readonly__ [TABLE_ptp <interface_name> <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

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	
TABLE_ptp	(Optional) ptp table
interface_name	(Optional) interface name
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

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> <gm-id> <gm-class> <gm-accuracy> <gm-scaled-log-variance> <gm-priority1> <gm-priority2>]

Syntax Description

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
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

Command Mode

- /exec

show ptp port interface

show ptp port interface <if0> [__readonly__ <intf-name> <clock-id> <port-num> <version> <state> <vlan> <delay-req-intv> <ann-rx-tout> <peer-mean-path-delay> <ann-intv> <sync-intv> <delay-mechanism> <peer-delay-req-intv>]

Syntax Description

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
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

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

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