P Show Commands

show password secure-mode

show password secure-mode

Syntax Description

show	Show running system information
password	Password for the user
secure-mode	secure mode for changing passwords

Command Modes

- /exec

show password strength-check

show password strength-check [**__readonly__ operation_status** *o_status*]

Syntax Description

show	Show running system information
password	Password for the user
strength-check	Strength check of password
__readonly__	
operation_status	run-time information about password strength-check
o_status	operational status of password strength check **disabled value: 0** **enabled value: 1**

Command Modes

- /exec

show pmap-int-br interface br

show pmap-int-br interface br [**__readonly__** [**TABLE_ifvlanstr** *if-vlan-str if-status* [*in-pmap-qos*] [*out-pmap-qos*] [*in-pmap-que*] [*out-pmap-que*]]]

Syntax Description

show	Show running system information
pmap-int-br	Show policy maps
interface	Show service policy on interface
br	Brief report of all policies attached to interfaces
TABLE_ifvlanstr	all interfaces xml sessions
if-vlan-str	Type: string ifindex or vlan id: xml key
__readonly__	
if-status	Type: uinteger Interface/vlan status [active/inactive]: xml key
in-pmap-qos	Type: string Input QoS Policy-map name: xml key
out-pmap-qos	Type: string output QoS Policy-map name: xml key
in-pmap-que	Type: string Input Que Policy-map name: xml key
out-pmap-que	Type: string Output Que Policy-map name: xml key

Command Modes

- /exec

show pmap-int

show pmap-int {**interface** [*iface-list*] [**input**| **output**] [**type** *qos-or-q*]| **vlan** [*vlan-list*] [**inputx**| **outputx**] [**type qos**]} [**__readonly__** [*stat-en-dis-enum*] [**TABLE_ifvlanstr** *if-vlan-str* [*iface-str*] [*vlan-str*] [**TABLE_pmap** *pmap-key pmap-inner-outer in-or-out yqos-or-q* [*options*] *pmap-name* [*stat-status-enum*] [*snmp-policy-index*] [**TABLE_cmap** *cmap-key* [*xqos-or-q*] *match-opts cmap-name* [**TABLE_slot** *slot-key* [*slot-num*] [*class-pkts*] [*class-bytes*] [*class-off-rate*]] [*class-drop-rate*] [*agg-forward*] [*class-agg-pkts*] [*class-agg-bytes*] [**TABLE_match** *match-key* [*not*] [*inner*] [*cos-list*] [*dscp-list*] [*precedence-list*] [*discard-class-list*] [*exp-list*] [*qos-group-list*] [*match-cmap-xqos-or-q*] [*match-cmap-opts*] [*match-cmap-name*] [*match-acl-name*] [*pkt-len-list*] [*rtp-port-list*] [*prot*] [*input-iface-list*] [*match-cl-def*] [*match-pkts*] [*match-bytes*] [*match-rate*]] [**TABLE_action** *action-key* [*set-inner*] [*cos*] [*dscp*] [*dscp-enum*] [*prec*] [*prec-enum*] [*disc-class*] [*qos-group*] [*mpls-experimental-topmost*] [*mpls-experimental-imposition*] [*tmap-from*] [*tmap-to*] [*tmap-name*] [*serv-pol-type*] [*serv-pol-name*] [*serv-pol-return-inout*] [*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*] [*prio-level*] [*qlim-param-type*] [*qlim-param-val*] [*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-ecn*] [*rdet-cap-average*] [*rdet-burst-opt*] [*rdet-mesh-opt*]] [*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* [*conformed-bytes*] [*conformed-rate*] [*cnf-act*] [*exceeded-bytes*] [*exceeded-rate*] [*exc-act*] [*violated-bytes*] [*violated-rate*] [*vio-act*] [*set-type*] [*enum-spec*] [*set-val*] [*ptmap-from*] [*ptmap-to*] [*ptmap-name*]]] [*que-dropped-pkts*] [*que-cur-q-depth-bytes*]]]] [*display-all*]]

Syntax Description

show	Show running system information
pmap-int	Show policy maps
interface	Show service policy on interface
iface-list	Type: interface-mrange List of Interface
vlan	802.1Q vlan
vlan-list	Type: integer-mrange List of vlan ids
input	Input Service policy
output	Output Service policy
inputx	Input Service policy
outputx	Output Service policy
type	Type of policy

qos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
qos	Qos policy
__readonly__	
TABLE_ifvlanstr	all interfaces xml sessions
if-vlan-str	Type: string ifindex or vlan id: xml key
TABLE_pmap	all pmap xml sessions
pmap-key	Type: string Policy-map name: xml key
TABLE_rdet	all WRED sessions
rdet-key	Type: long Random-detect minimum threshold: xml key
TABLE_police	all police actions
police-key	Type: uinteger police actions count: xml key
TABLE_cmap	all cmap xml sessions
cmap-key	Type: string Class-map name: xml key
TABLE_action	all actions
action-key	Type: uinteger Actions count: xml key
TABLE_match	all match xml sessions
match-key	Type: uinteger match count: xml key
TABLE_slot	all slot xml sessions

slot-key	Type: uinteger slot count: xml key
display-all	Type: integer Display all kinds of class-maps
stat-en-dis-enum	**enable value: 1** Enable statistics for all policies **disable value: 2** Disable statistics for all policies
iface-str	Type: string Interface string
vlan-str	Type: string Vlan string
in-or-out	**input value: 1** Input policy **output value: 2** Output policy
yqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
options	Type: uinteger min: 0 max: 1 match-first option
pmap-name	Type: string Policy-map name
stat-status-enum	**no-stats value: 2** Disable statistics for this policy
snmp-policy-index	Type: uinteger SNMP policy index

pmap-inner-outer	Type: uinteger Inner or Outer policy-map
serv-pol-return-inout	Type: uinteger Inner or Outer policy-map
cmap-name	Type: string Class-map name
xqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
match-opts	Type: uinteger min: 1 max: 2 Type of match in class-map
match-cmap-xqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
match-cmap-opts	Type: uinteger min: 1 max: 2 Type of match in class-map
not	Type: uinteger Negate this match result
inner	Type: uinteger min: 0 max: 1 Specifies if tunnel or inner keywords are mentioned
dscp-list	Type: integer-mrange List of DSCP values
precedence-list	Type: integer-mrange List of precedence values

cos-list	Type: integer-mrange List of class-of-service values
qos-group-list	Type: integer-mrange List of qos-group values
discard-class-list	Type: integer-mrange List of discard-class values
exp-list	Type: integer-mrange List of MPLS exp values
match-cmap-name	Type: string class-map name
match-acl-name	Type: string Match class-map name
pkt-len-list	Type: integer-mrange Packet length multi-range
rtp-port-list	Type: integer-mrange IP RTP UDP port multi-range
prot	Type: integer Protocol
input-iface-list	Type: interface-mrange Input Interface multi-range
match-cl-def	Type: uinteger Match any criteria for class-default only
class-pkts	Type: long Number of packets matching a class
class-agg-pkts	Type: long Number of packets matching a class
class-bytes	Type: long Number of bytes matching a class
class-agg-bytes	Type: long Number of bytes matching a class

class-off-rate	Type: long 5 minute offered rate for the class
class-drop-rate	Type: long 5 minute drop rate for the class
match-pkts	Type: long Number of packets matching a particular match rule in a class
match-bytes	Type: long Number of bytes matching a particular match rule in a class
match-rate	Type: long 5 minute rate for the particular match rule in a class
serv-pol-type	Type: uinteger Type of service policy referred to
serv-pol-name	Type: string Name of policy-map referred to within this policy-map
set-inner	Type: uinteger min: 0 max: 1 Specifies if tunnel or inner keywords are mentioned
cos	Type: uinteger min: 0 max: 7 IEEE 802.1Q Class of Service value
dscp	Type: uinteger min: 0 max: 63 DSCP in IP(v4) and IPv6 packets

dscp-enum

af11 value: 10

AF11 dscp (001010)

af12 value: 12

AF12 dscp (001100)

af13 value: 14

AF13 dscp (001110)

af21 value: 18

AF21 dscp (010010)

af22 value: 20

AF22 dscp (010100)

af23 value: 22

AF23 dscp (010110)

af31 value: 26

AF31 dscp (011010)

af32 value: 28

AF32 dscp (011100)

af33 value: 30

AF33 dscp (011110)

af41 value: 34

AF41 dscp (100010)

af42 value: 36

AF42 dscp (100100)

af43 value: 38

AF43 dscp (100110)

cs1 value: 8

CS1(precedence 1) dscp (001000)

cs2 value: 16

CS2(precedence 2) dscp (010000)

cs3 value: 24

CS3(precedence 3) dscp (011000)

cs4 value: 32

CS4(precedence 4) dscp (100000)

cs5 value: 40

	CS5(precedence 5) dscp (101000) **cs6 value: 48** CS6(precedence 6) dscp (110000) **cs7 value: 56** CS7(precedence 7) dscp (111000) **default value: 0** default dscp (000000) **ef value: 46** EF dscp (101110)
prec	Type: uinteger min: 0 max: 7 Precedence in IP(v4) and IPv6 packets
prec-enum	**routine value: 0** Routine precedence (0) **priority value: 1** Priority precedence (1) **immediate value: 2** Immediate precedence (2) **flash value: 3** Flash precedence (3) **flash-override value: 4** Flash override precedence (4) **critical value: 5** Critical precedence (5) **internet value: 6** Internetwork control precedence (6) **network value: 7** Network control precedence (7)
disc-class	Type: uinteger min: 0 max: 63 Discard class

qos-group	Type: uinteger min: 0 max: 99 Qos-group
mpls-experimental-topmost	Type: uinteger min: 0 max: 7 MPLS Experimental Topmost
mpls-experimental-imposition	Type: uinteger min: 0 max: 7 MPLS Experimental Imposition
tmap-from	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-topmost value: 14** table map of mpls-topmost type (14)

tmap-to	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-imposition value: 13** table map of mpls-imposition type (13) **mpls-topmost value: 14** table map of mpls-topmost type (14)
tmap-name	Type: string Table map name

ptmap-from	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-topmost value: 14** table map of mpls-topmost type (14)

ptmap-to	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-imposition value: 13** table map of mpls-imposition type (13) **mpls-topmost value: 14** table map of mpls-topmost type (14)
ptmap-name	Type: string Table map name
avg-rate-type	Type: uinteger min: 0 max: 1 Specifies if average shape rate is specified
shape-rate	Type: long Shape average rate
rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us
min-rate-type	Type: uinteger min: 0 max: 1 Specifies if minimum shape rate is specified
shape-min-rate	Type: long Shape minimum rate

min-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us
max-rate-type	Type: uinteger min: 0 max: 1 Specifies if maximum shape rate is specified
shape-max-rate	Type: long Shape maximum rate
max-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us
cir-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us, pps
pir-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us, pps
prio-level	Type: uinteger Priority if specified
qlim-param-type	Type: uinteger Type of parameter for qlim - cos/prec/dscp/disc class/qosgrp
qlim-param-val	Type: uinteger Parameter value for qlimit
qlim-size	Type: uinteger Queue size for qlimit
size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
rdet-size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
bc-size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
be-size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
qlim-enum-spec	Type: uinteger Weather qlimit parameter is specified in enum or not

rdet-mode	Type: uinteger Random-detect mode
rdet-agg	Type: uinteger min: 0 max: 1 Are the params for aggregate flow
rdet-values	Type: integer-mrange List of class-of-service values for random-detect
rdet-min-thresh	Type: long Random-detect minimum threshold
rdet-max-thresh	Type: long Random-detect maximum threshold
rdet-drop-prob	Type: uinteger Random-detect drop probability
rdet-weight	Type: uinteger Random-detect queue length weight
rdet-cap-average	Type: uinteger Random-detect cap-average
rdet-ecn	Type: uinteger Random-detect ECN
rdet-burst-opt	Type: uinteger Random-detect burst optimized
rdet-mesh-opt	Type: uinteger Random-detect mesh optimized
bw-units	Type: uinteger Bandwidth units
bw-rate	Type: long Bandwidth rate
rem-bw-units	Type: uinteger Remaining bandwidth units
rem-bw-rate	Type: uinteger Remaining bandwidth rate

agg-policer-name	Type: string Aggregate policer name
cir-spec	Type: uinteger min: 0 max: 1 Is CIR keyword specified
bc-spec	Type: uinteger min: 0 max: 1 Is Committed Burst keyword specified
be-spec	Type: uinteger min: 0 max: 1 Is Extended Burst keyword specified
cir	Type: long Committed Information Rate
bc	Type: long Committed Burst Size
pir	Type: long Peak Information Rate
be	Type: long Extended Burst Size
cnf-col-cmap	Type: string Conforming color class-map name
exc-col-cmap	Type: string Exceeding color class-map name
enum-spec	Type: uinteger min: 0 max: 1 Is DSCP or PREC enum value specified
cnf-act	Type: uinteger Conform action (Police)
exc-act	Type: uinteger Exceed action (Police)

vio-act	Type: uinteger Violate action (Police)
set-type	Type: uinteger Type of set in police action
set-val	Type: uinteger Value of set type in police action
conformed-bytes	Type: long Conformed byte count
exceeded-bytes	Type: long Exceeded byte count
violated-bytes	Type: long Violated byte count
conformed-rate	Type: long Conformed bit rate
exceeded-rate	Type: long Exceeded bit rate
violated-rate	Type: long Violated byte count
que-dropped-pkts	Type: long Queue Dropped Packets
que-cur-q-depth-bytes	Type: long Current Queue Depth
agg-forward	Type: uinteger prints out aggregate forward
slot-num	Type: uinteger the slot number

Command Modes

- /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*] [*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*] [*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*]] [*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

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
qos	type qos
queuing	type queuing
pmap-name-qos	Type: string antipattern: type | typ | ty | t length: 40 policy map name (type qos)
pmap-name-que	Type: string antipattern: type | typ | ty | t length: 40 policy map name (type queuing)
__readonly__	
display-all	Type: integer Display all kinds of class-maps
TABLE_pmap	all pmap xml sessions

pmap-key	Type: string Policy-map name: xml key
TABLE_rdet	all WRED sessions
rdet-key	Type: long Random-detect minimum threshold: xml key
TABLE_police	all police actions
police-key	Type: uinteger police actions count: xml key
TABLE_cmap	all cmap xml sessions
cmap-key	Type: string Class-map name: xml key
TABLE_action	all actions
action-key	Type: uinteger Actions count: xml key
yqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
options	Type: uinteger min: 0 max: 1 match-first option
pmap-name-out	Type: string Policy-map name
desc	Type: string length: 200 Description string
cmap-name	Type: string Class-map name

xqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
serv-pol-type	Type: uinteger Type of service policy referred to
serv-pol-name	Type: string Name of policy-map referred to within this policy-map
type-spec	Type: uinteger min: 0 max: 1 Type of policy-map specified or not
type-cmap-spec	Type: uinteger min: 0 max: 1 Type of class-map specified or not
inner	Type: uinteger min: 0 max: 1 Specifies if tunnel or inner keywords are mentioned
cos	Type: uinteger min: 0 max: 7 IEEE 802.1Q Class of Service value
exp-val-imposition	Type: uinteger min: 0 max: 7 MPLS EXP value of type imposition
exp-val-topmost	Type: uinteger min: 0 max: 7 MPLS EXP calue of type topmost
dscp	Type: uinteger min: 0 max: 63 DSCP in IP(v4) and IPv6 packets

dscp-enum

af11 value: 10

AF11 dscp (001010)

af12 value: 12

AF12 dscp (001100)

af13 value: 14

AF13 dscp (001110)

af21 value: 18

AF21 dscp (010010)

af22 value: 20

AF22 dscp (010100)

af23 value: 22

AF23 dscp (010110)

af31 value: 26

AF31 dscp (011010)

af32 value: 28

AF32 dscp (011100)

af33 value: 30

AF33 dscp (011110)

af41 value: 34

AF41 dscp (100010)

af42 value: 36

AF42 dscp (100100)

af43 value: 38

AF43 dscp (100110)

cs1 value: 8

CS1(precedence 1) dscp (001000)

cs2 value: 16

CS2(precedence 2) dscp (010000)

cs3 value: 24

CS3(precedence 3) dscp (011000)

cs4 value: 32

CS4(precedence 4) dscp (100000)

cs5 value: 40

	CS5(precedence 5) dscp (101000) **cs6 value: 48** CS6(precedence 6) dscp (110000) **cs7 value: 56** CS7(precedence 7) dscp (111000) **default value: 0** default dscp (000000) **ef value: 46** EF dscp (101110)
prec	Type: uinteger min: 0 max: 7 Precedence in IP(v4) and IPv6 packets
prec-enum	**routine value: 0** Routine precedence (0) **priority value: 1** Priority precedence (1) **immediate value: 2** Immediate precedence (2) **flash value: 3** Flash precedence (3) **flash-override value: 4** Flash override precedence (4) **critical value: 5** Critical precedence (5) **internet value: 6** Internetwork control precedence (6) **network value: 7** Network control precedence (7)
disc-class	Type: uinteger min: 0 max: 63 Discard class

qos-group	Type: uinteger min: 0 max: 3 Qos-group
tmap-from	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-topmost value: 14** table map of mpls-topmost type (14)

tmap-to	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-imposition value: 13** table map of mpls-imposition type (13) **mpls-topmost value: 14** table map of mpls-topmost type (14)
tmap-name	Type: string Table map name

ptmap-from	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-topmost value: 14** table map of mpls-topmost type (14)

ptmap-to	**cos value: 1** table map of cos type (1) **dscp value: 2** table map of dscp type (2) **prec value: 3** table map of prec type (3) **qos-grp value: 5** table map of qos-grp type (4) **dis-cl value: 4** table map of discard-class type (5) **uf-cos value: 6** table map of unified-fabric cos type (6) **fc-up value: 7** table map of fc-up type (7) **mpls-imposition value: 13** table map of mpls-imposition type (13) **mpls-topmost value: 14** table map of mpls-topmost type (14)
ptmap-name	Type: string Table map name
avg-rate-type	Type: uinteger min: 0 max: 1 Specifies if average shape rate is specified
shape-rate	Type: long Shape average rate
rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us
min-rate-type	Type: uinteger min: 0 max: 1 Specifies if minimum shape rate is specified
shape-min-rate	Type: long Shape minimum rate

min-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us
max-rate-type	Type: uinteger min: 0 max: 1 Specifies if maximum shape rate is specified
shape-max-rate	Type: long Shape maximum rate
max-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us
cir-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us, pps
pir-rate-units	Type: uinteger Units of rate - bps, kbps, mbps, gbps, ms, us, pps
prio-level	Type: uinteger Priority if specified
qlim-param-type	Type: uinteger Type of parameter for qlim - cos/prec/dscp/disc class/qosgrp
qlim-param-val	Type: uinteger Parameter value for qlimit
qlim-size	Type: uinteger Queue size for qlimit
size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
rdet-size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
bc-size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
be-size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
qlim-enum-spec	Type: uinteger Weather qlimit parameter is specified in enum or not

rdet-mode	Type: uinteger Random-detect mode
rdet-agg	Type: uinteger min: 0 max: 1 Are the params for aggregate flow
rdet-values	Type: integer-mrange List of class-of-service values for random-detect
rdet-min-thresh	Type: long Random-detect minimum threshold
rdet-max-thresh	Type: long Random-detect maximum threshold
rdet-drop-prob	Type: uinteger Random-detect drop probability
rdet-weight	Type: uinteger Random-detect queue length weight
rdet-cap-average	Type: uinteger Random-detect cap-average
rdet-ecn	Type: uinteger Random-detect ECN
rdet-burst-opt	Type: uinteger Random-detect burst optimized
rdet-mesh-opt	Type: uinteger Random-detect mesh optimized
bw-units	Type: uinteger Bandwidth units
bw-rate	Type: long Bandwidth rate
rem-bw-units	Type: uinteger Remaining bandwidth units
rem-bw-rate	Type: long Remaining bandwidth rate

agg-policer-name	Type: string Aggregate policer name
cir-spec	Type: uinteger min: 0 max: 1 Is CIR keyword specified
bc-spec	Type: uinteger min: 0 max: 1 Is Committed Burst keyword specified
be-spec	Type: uinteger min: 0 max: 1 Is Extended Burst keyword specified
cir	Type: long Committed Information Rate
bc	Type: long Committed Burst Size
pir	Type: long Peak Information Rate
be	Type: long Extended Burst Size
cnf-col-cmap	Type: string Conforming color class-map name
exc-col-cmap	Type: string Exceeding color class-map name
enum-spec	Type: uinteger min: 0 max: 1 Is DSCP or PREC enum value specified
cnf-act	Type: uinteger Conform action (Police)
exc-act	Type: uinteger Exceed action (Police)

vio-act	Type: uinteger Violate action (Police)
set-type	Type: uinteger Type of set in police action
set-val	Type: uinteger Value of set type in police action
ooo	Type: uinteger Out-of-Order

Command Modes

- /exec

show policy-map interface control-plane

show policy-map interface control-plane {[**module** *slot-no-in* [**class** *cmap-name*]]| [**class** *cmap-name* [**module** *slot-no-in*]]} [**__readonly__** [*scale-factor-cmd*] *pmap-name* [**TABLE_cmap** *cmap-key cmap-name-out opt_any_or_all* [**TABLE_match** *match-key* [**access_grp** *acc_grp_name*] [**redirect** *opt_match_redirect*] [**exception** *opt_match_excpt*] [**protocol** *opt_match_protocol*]+] [*class-off-rate class-drop-rate class-pkts class-bytes*] [[*set_vld_flg*] {**cos [inner]** *cos-val*| **dscp [tunnel]** *dscp-val*| **precedence [tunnel1]** *prec-val*}] [*threshold level*] [[*policer_show_flags*] [*cir opt_kbps_mbps_gbps_pps_cir*] [**percent** *cir-perc*] [*bc opt_kbytes_mbytes_gbytes_bc*] [*pir opt_kbps_mbps_gbps_pps_pir*] [**percent1** *pir-perc*] [*be opt_kbytes_mbytes_gbytes_be*]] [**TABLE_slot** *slot-no-out* [[*conform-pkts*] *conform-bytes*] [*opt_drop_transmit_conform*| **set-cos-transmit** *set-cos-val*| **set-dscp-transmit** *set-dscp-val*| **set-prec-transmit** *set-prec-val*] [[[*exceed-pkts*] *exceed-bytes*] {*opt_drop_transmit_exceed*| **set dscp1 dscp2 table cir-markdown-map**}] [[*violate-pkts*] *violate-bytes*] {*opt_drop_transmit_violate*| **set1 dscp3 dscp4 table1 pir-markdown-map**}]]]

Syntax Description

show	Show running system information
policy-map	Show policy maps
interface	Show service policy on interface
control-plane	command is for copp policy
module	module number for statistics
class	class-name name
cmap-name	Type: string Name of the class-map
pmap-name	Type: string Name of the Policy-map
__readonly__	
scale-factor-cmd	Type: string Scale factor command
TABLE_cmap	all cmap xml sessions
cmap-key	Type: string Class-map key : XML output
cmap-name-out	Type: string Name of the output class-map

opt_any_or_all	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
match-key	Type: uinteger Match key : XML output
access_grp	
acc_grp_name	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_excpt

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-munic ast value: 14

Match exception packets for ip-munic ast

ipv6-munic ast value: 15

Match exception packets for ipv6-munic ast

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
class-pkts	Type: long Number of packets matching a class
class-bytes	Type: long Number of bytes matching a class
class-off-rate	Type: long 5 minute offered rate for the class
class-drop-rate	Type: long 5 minute drop rate for the class
set_vld_flg	Type: uinteger Set valid flag
cos	
inner	
cos-val	Type: uinteger Set cos val
dscp	
tunnel	
dscp-val	Type: uinteger Set dscp val

precedence	
tunnel1	
prec-val	Type: uinteger Set prec val
policer_show_flags	Type: uinteger Policer show flags
threshold	Type: long threshold count in bytes
level	Type: integer syslog severity level
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
opt_kbps_mbps_gbps_pps_pir	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	
pir-perc	Type: long Percent specification for pir
bc	Type: long Committed Information size in bytes/kbytes/mbytes/packets/ms/us
opt_kbytes_mbytes_gbytes_bc	Units **packets value: 8** Packets
be	Type: long Peak Information size in bytes/kbytes/mbytes/packets/ms/us
opt_kbytes_mbytes_gbytes_be	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
TABLE_slot	all slot-num : XML output
slot-no-in	Type: uinteger min: 1 max: 30 input slot no
slot-no-out	Type: uinteger output slot no
conform-pkts	Type: long
conform-bytes	Type: long

exceed-pkts	Type: long
exceed-bytes	Type: long
violate-pkts	Type: long
violate-bytes	Type: long
opt_drop_transmit_conform	Set the action **transmit value: 1** Transmit the packet
set-cos-transmit	
set-cos-val	Type: uinteger Conform action cos val
set-dscp-transmit	
set-dscp-val	Type: uinteger Conform action dscp val
set-prec-transmit	
set-prec-val	Type: uinteger Conform action prec val
opt_drop_transmit_exceed	Set the action **drop value: 2** Drop the packet **transmit value: 1** Transmit the packet
set	
dscp1	
dscp2	
table	
cir-markdown-map	
opt_drop_transmit_violate	Set the action **drop value: 2** Drop the packet
set1	

dscp3
dscp4
table1
pir-markdown-map

Command Modes

- /exec

show policy-map system

show policy-map system [**type** {**network-qos**| **queuing** [**input**| **output**]}] [**__readonly__** *display-all desc xpmap-name xcmap-name cos-list qos-group-list protocol pause timeout size-in-bytes xoff-bytes xon-bytes pfc-cos-list cc thresh-units min-thresh max-thresh drop-prob iod mtu* [*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*] [*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*]]]]]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
system	Active policy in the system
network-qos	type network-qos
queuing	type queuing
input	input policy
output	output policy
__readonly__	
display-all	Type: integer Display all network-qos policy-maps
xpmap-name	Type: string Policy-map name
desc	Type: string length: 200 Description string
xcmap-name	Type: string Class-map name
min-thresh	Type: long Minimum Threshold value

max-thresh	Type: long Maximum Threshold value
thresh-units	Type: uinteger Units of threshold - pkts/bytes/kbytes/mbytes/ms/us/perc
drop-prob	Type: uinteger Drop Probability at Maximum Threshold value
pause	Type: uinteger Pause value
size-in-bytes	Type: long Ingress buffer for the no-drop class in bytes
xoff-bytes	Type: long buffer limit at which the port pauses the peer
xon-bytes	Type: long buffer limit at which the port resumes the peer
pfc-cos-list	Type: integer-mrange List of class-of-service values
timeout	Type: uinteger timeout value
cc	Type: uinteger congestion control protocol
iod	Type: uinteger IOD value
mtu	Type: uinteger MTU value
protocol	Type: integer protocol
cos-list	Type: integer-mrange List of class-of-service values
qos-group-list	Type: integer-mrange List of qos-group values

TABLE_pmap	all pmap xml sessions
pmap-key	Type: string Policy-map name: xml key
TABLE_cmap	all cmap xml sessions
cmap-key	Type: string Class-map name: xml key
TABLE_action	all actions
action-key	Type: uinteger Actions count: xml key
TABLE_match	all match xml sessions
match-key	Type: uinteger match count: xml key
stat-en-dis-enum	**enable value: 1** Enable statistics for all policies **disable value: 2** Disable statistics for all policies
in-or-out	**input value: 1** Input policy **output value: 2** Output policy
yqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
stat-status-enum	**no-stats value: 2** Disable statistics for this policy

options	Type: uinteger min: 0 max: 1 match-first option
pmap-name	Type: string Policy-map name
pmap-inner-outer	Type: uinteger Inner or Outer policy-map
serv-pol-return-inout	Type: uinteger Inner or Outer policy-map
cmap-name	Type: string Class-map name
xqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
match-opts	Type: uinteger min: 1 max: 2 Type of match in class-map
match-cmap-xqos-or-q	**qos value: 1** qos policy **queuing value: 2** queuing policy
match-cmap-opts	Type: uinteger min: 1 max: 2 Type of match in class-map
not	Type: uinteger Negate this match result
inner	Type: uinteger min: 0 max: 1 Specifies if tunnel or inner keywords are mentioned

cos-list	Type: integer-mrange List of class-of-service values
match-cmap-name	Type: string class-map name
serv-pol-type	Type: uinteger Type of service policy referred to
serv-pol-name	Type: string Name of policy-map referred to within this policy-map
set-inner	Type: uinteger min: 0 max: 1 Specifies if tunnel or inner keywords are mentioned
cos	Type: uinteger min: 0 max: 7 IEEE 802.1Q Class of Service value
prio-level	Type: uinteger Priority if specified
qlim-param-type	Type: uinteger Type of parameter for qlim - cos/prec/dscp/disc class/qosgrp
qlim-param-val	Type: uinteger Parameter value for qlimit
qlim-size	Type: uinteger Queue size for qlimit
size-units	Type: uinteger Units of queue size - pkts/bytes/kbytes/mbytes/ms/us/perc
qlim-enum-spec	Type: uinteger Weather qlimit parameter is specified in enum or not
bw-units	Type: uinteger Bandwidth units
bw-rate	Type: long Bandwidth rate

rem-bw-units	Type: uinteger Remaining bandwidth units
rem-bw-rate	Type: uinteger Remaining bandwidth rate

Command Modes

- /exec

show policy-map type control-plane

show policy-map type control-plane [expand] [**name** *pmap-name*] [**__readonly__** [**TABLE_pmap** *pmap-name1* [**TABLE_cmap** *cmap-name* [*opt_any_or_all*] [**TABLE_match** *match_key* {[**access_grp** *acc_grp_name*]| [**redirect** *opt_match_redirect*]| [**exception** *opt_match_excpt*]| [**protocol** *opt_match_protocol*]}] [**TABLE_set_action** *set_vld_flg* {**cos [inner]** *cos-val*| **dscp [tunnel]** *dscp-val*| **precedence [tunnel1]** *prec-val*}] [*threshold level*] [[*policer_show_flags*] [*cir opt_kbps_mbps_gbps_pps_cir*] [**percent** *cir-perc*] [*pir opt_kbps_mbps_gbps_pps_pir*] [**percent1** *pir-perc*] [*bc opt_kbytes_mbytes_gbytes_bc*] [*be opt_kbytes_mbytes_gbytes_be*] [*opt_drop_transmit_conform*| **set-cos-transmit** *set-cos-val*| **set-dscp-transmit** *set-dscp-val*| **set-prec-transmit** *set-prec-val*] [*opt_drop_transmit_exceed*| **set dscp1 dscp2 table cir-markdown-map**] [*opt_drop_transmit_violate*| **set1 dscp3 dscp4 table1 pir-markdown-map**]]]]]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
control-plane	command is for copp policy
expand	Display the match-criterias along with class-map
name	policy-map name
pmap-name	Type: string Name of the Policy-map
__readonly__	
TABLE_pmap	Table of policy-map
pmap-name1	Type: string Name of the Policy-map
TABLE_cmap	Table of class-map
cmap-name	Type: string Name of the class-map
opt_any_or_all	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	Table of match statement
match_key	Type: uinteger Match key : XML output
access_grp	
acc_grp_name	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_excpt

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-munic ast 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
TABLE_set_action	Table of set action
set_vld_flg	Type: uinteger Set valid flag
threshold	Type: long threshold count in bytes
level	Type: integer min: 1 max: 7 syslog severity level
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
opt_kbps_mbps_gbps_pps_pir	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	
pir-perc	Type: long Percent specification for pir
bc	Type: long Committed Information size in bytes/kbytes/mbytes/packets/ms/us
opt_kbytes_mbytes_gbytes_bc	Units **packets value: 8** Packets
be	Type: long Peak Information size in bytes/kbytes/mbytes/packets/ms/us

opt_kbytes_mbytes_gbytes_be	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
opt_drop_transmit_conform	Set the action **transmit value: 1** Transmit the packet
set-cos-transmit	
set-cos-val	Type: uinteger Conform action cos val
set-dscp-transmit	
set-dscp-val	Type: uinteger Conform action dscp val
set-prec-transmit	
set-prec-val	Type: uinteger Conform action prec val
opt_drop_transmit_exceed	Set the action **drop value: 2** Drop the packet **transmit value: 1** Transmit the packet
set	

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

Command Modes

- /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*]

Syntax Description

show	Show running system information
policy-map	Show policy maps
type	Type of the policy-map
pmap-name-nq	Type: string antipattern: type | typ | ty | t length: 40 Policy-map name
network-qos	type network-qos
__readonly__	
display-all	Type: integer Display all network-qos policy-maps
xpmap-name	Type: string Policy-map name
desc	Type: string length: 200 Description string
xcmap-name	Type: string Class-map name
pause	Type: uinteger Pause value
timeout	Type: uinteger timeout value
size-in-bytes	Type: long Ingress buffer for the no-drop class in bytes

xoff-bytes	Type: long buffer limit at which the port pauses the peer
xon-bytes	Type: long buffer limit at which the port resumes the peer
pfc-cos-list	Type: integer-mrange List of class-of-service values
cc	Type: uinteger congestion control protocol
min-thresh	Type: long Minimum Threshold value
max-thresh	Type: long Maximum Threshold value
thresh-units	Type: uinteger Units of threshold - pkts/bytes/kbytes/mbytes/ms/us/perc
drop-prob	Type: uinteger Drop Probability at Maximum Threshold value
iod	Type: uinteger IOD value
mtu	Type: uinteger MTU value

Command Modes

- /exec

show port-channel capacity

show port-channel capacity [**__readonly__** *total used free percentage_used*]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
capacity	Capacity information *Not available in this release.*
__readonly__	
total	Type: integer Total resource
used	Type: integer Used resource
free	Type: integer Free resource
percentage_used	Type: integer Used resource in percentage

Command Modes

- /exec

show port-channel compatibility-parameters

show port-channel compatibility-parameters [**__readonly__** *parameter description*+]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
compatibility-parameters	Show compatibility parameters
__readonly__	
parameter	Type: string Compatibity parameter
description	Type: string Parameter description

Command Modes

- /exec

show port-channel database

show port-channel database [**interface** *if0*] [**__readonly__ TABLE_interface** *interface last-membership-update total-ports total-up-ports* [*first_operational-port*] *age-of-channel* [*time-since-last-bundle*] [*last-bundled-member*] [*time-since-last-unbundle*] [*last-unbundled-member*] [**TABLE_member** *port mode port-status*] [*protocol*]]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
database	Show port-channel database
interface	Specify a port-channel
if0	Type: interface-mrange
__readonly__	
TABLE_interface	Port-channel table
interface	Type: interface Port channel
mode	channel-group mode **on value: 2** Channel mode is on **active value: 5** Admin channel mode is active **passive value: 6** Admin channel mode is passive
last-membership-update	Last membership update **successful value: 1** Membership update succeeded **unsuccessful value: 2** Membership update failed
total-ports	Type: integer Total number of member ports

total-up-ports	Type: integer Total number of UP member ports
first_operational-port	Type: interface First operational port
TABLE_member	Member ports info
port	Type: interface Member port
port-status	Member port status **up value: 1** Port is up **down value: 2** Port is down **hot-standy value: 6** Hot standby port **suspended value: 5** Suspended port **individual value: 3** Indivial link **module-removed value: 7** Module removed
age-of-channel	Type: string Age of port channel
time-since-last-bundle	Type: string Time since last port bundled
last-bundled-member	Type: interface Last bundled member port
time-since-last-unbundle	Type: string Time since last port un-bundled
last-unbundled-member	Type: interface Last unbundled member port

protocol	Port channel protocol **lacp value: 1** LACP

Command Modes

- /exec

show port-channel load-balance

show port-channel load-balance {[**module** *module*]| **fex** {*fex-range*| **all**}} [**__readonly__** *sys-cfg module-cfg+ non-ip-val ipv4-val ipv6-val*]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
load-balance	Show port-channel load balance
module	slot
module	Type: integer Specify a module number
fex	FEX devices *Not available in this release.*
fex-range	Type: integer min: 100 max: 199 FEX device range
all	Display all configured FEX port-channel LB
__readonly__	

sys-cfg

system wide load balance configuraton

destination-mac value: 1

Destination MAC address

source-mac value: 2

Source MAC address

source-dest-mac value: 3

Source & Destination MAC address

destination-ip-vlan value: 4

Destination IP address and VLAN

destination-ip-gre value: 17

Destination IP GRE key

source-ip-vlan value: 5

Source IP address and VLAN

source-ip-gre value: 16

Source IP GRE key

source-dest-ip-vlan value: 6

Source & Destination IP address and VLAN

destination-port value: 7

Destination L4 port

source-port value: 8

Source L4 port

source-dest-port value: 9

Source & Destination L4 port

dest-ip-port value: 10

Destination IP address and L4 port

source-ip-port value: 11

Source IP address and L4 port

source-dest-ip-port value: 12

Source & Destination IP address and L4 port

dest-ip-port-vlan value: 13

Destination IP address, L4 port and VLAN

source-ip-port-vlan value: 14

Source IP address, L4 port and VLAN

source-dest-ip-port-vlan value: 15

Source & Destination IP address, L4 port and VLAN

source-dest-ip-gre value: 18

Source & Destination IP GRE key

module-cfg

per module load balance configuraton

destination-mac value: 1

Destination MAC address

source-mac value: 2

Source MAC address

source-dest-mac value: 3

Source & Destination MAC address

destination-ip-vlan value: 4

Destination IP address and VLAN

destination-ip-gre value: 17

Destination IP GRE key

source-ip-vlan value: 5

Source IP address and VLAN

source-ip-gre value: 16

Source IP GRE key

source-dest-ip-vlan value: 6

Source & Destination IP address and VLAN

destination-port value: 7

Destination L4 port

source-port value: 8

Source L4 port

source-dest-port value: 9

Source & Destination L4 port

dest-ip-port value: 10

Destination IP address and L4 port

source-ip-port value: 11

Source IP address and L4 port

source-dest-ip-port value: 12

Source & Destination IP address and L4 port

dest-ip-port-vlan value: 13

Destination IP address, L4 port and VLAN

source-ip-port-vlan value: 14

Source IP address, L4 port and VLAN

source-dest-ip-port-vlan value: 15

Source & Destination IP address, L4 port and VLAN

source-dest-ip-gre value: 18

Source & Destination IP GRE key

non-ip-val

load balance setting for non-ip traffic

destination-mac value: 1

Destination MAC address

source-mac value: 2

Source MAC address

source-dest-mac value: 3

Source & Destination MAC address

destination-ip-vlan value: 4

Destination IP address and VLAN

destination-ip-gre value: 17

Destination IP GRE key

source-ip-vlan value: 5

Source IP address and VLAN

source-ip-gre value: 16

Source IP GRE key

source-dest-ip-vlan value: 6

Source & Destination IP address and VLAN

destination-port value: 7

Destination L4 port

source-port value: 8

Source L4 port

source-dest-port value: 9

Source & Destination L4 port

dest-ip-port value: 10

Destination IP address and L4 port

source-ip-port value: 11

Source IP address and L4 port

source-dest-ip-port value: 12

Source & Destination IP address and L4 port

dest-ip-port-vlan value: 13

Destination IP address, L4 port and VLAN

source-ip-port-vlan value: 14

Source IP address, L4 port and VLAN

source-dest-ip-port-vlan value: 15

Source & Destination IP address, L4 port and VLAN

source-dest-ip-gre value: 18

Source & Destination IP GRE key

ipv4-val

load balance setting for ipv4 traffic

destination-mac value: 1

Destination MAC address

source-mac value: 2

Source MAC address

source-dest-mac value: 3

Source & Destination MAC address

destination-ip-vlan value: 4

Destination IP address and VLAN

destination-ip-gre value: 17

Destination IP GRE key

source-ip-vlan value: 5

Source IP address and VLAN

source-ip-gre value: 16

Source IP GRE key

source-dest-ip-vlan value: 6

Source & Destination IP address and VLAN

destination-port value: 7

Destination L4 port

source-port value: 8

Source L4 port

source-dest-port value: 9

Source & Destination L4 port

dest-ip-port value: 10

Destination IP address and L4 port

source-ip-port value: 11

Source IP address and L4 port

source-dest-ip-port value: 12

Source & Destination IP address and L4 port

dest-ip-port-vlan value: 13

Destination IP address, L4 port and VLAN

source-ip-port-vlan value: 14

Source IP address, L4 port and VLAN

source-dest-ip-port-vlan value: 15

Source & Destination IP address, L4 port and VLAN

source-dest-ip-gre value: 18

Source & Destination IP GRE key

ipv6-val

load balance setting for ipv6 traffic

destination-mac value: 1

Destination MAC address

source-mac value: 2

Source MAC address

source-dest-mac value: 3

Source & Destination MAC address

destination-ip-vlan value: 4

Destination IP address and VLAN

destination-ip-gre value: 17

Destination IP GRE key

source-ip-vlan value: 5

Source IP address and VLAN

source-ip-gre value: 16

Source IP GRE key

source-dest-ip-vlan value: 6

Source & Destination IP address and VLAN

destination-port value: 7

Destination L4 port

source-port value: 8

Source L4 port

source-dest-port value: 9

Source & Destination L4 port

dest-ip-port value: 10

Destination IP address and L4 port

source-ip-port value: 11

Source IP address and L4 port

source-dest-ip-port value: 12

Source & Destination IP address and L4 port

dest-ip-port-vlan value: 13

Destination IP address, L4 port and VLAN

source-ip-port-vlan value: 14

Source IP address, L4 port and VLAN

source-dest-ip-port-vlan value: 15

Source & Destination IP address, L4 port and VLAN

source-dest-ip-gre value: 18

Source & Destination IP GRE key

Command Modes

- /exec

show port-channel load-balance forwarding-path

show port-channel load-balance forwarding-path {**interface** *ch-id*| **hgig**} {**vlan** *vlan-id*| **src-mac** *src-mac*| **dst-mac** *dst-mac*| **src-ip** *src-ip*| **dst-ip** *dst-ip*| **src-ipv6** *src-ipv6*| **dst-ipv6** *dst-ipv6*| **l4-src-port** *l4-src-port*| **l4-dst-port** *l4-dst-port*| **ethertype** *ethertype*| **protocol** *prot*}+ [**module** *module*| **fex** *fex-range*| **hgig-tgid** *tgid*]+ [**source-interface** *if-id*] [**__readonly__ loadbalance-algorithm** *algorithm* **outgoing-port-id** *port*]

Syntax Description

show	Show running system information
port-channel	Configure port channel parameters
load-balance	Show port-channel load balance
forwarding-path	Packet forwarding information
interface	Specify a port-channel number
ch-id	Type: interface Port-Channel name
hgig	Higig hashing result (only with RTAG7)
vlan	VLAN of the ingress packet i.e. when available
vlan-id	Type: vlan
src-mac	Source MAC Address
src-mac	Type: ethernet Source MAC address
dst-mac	Destination MAC Address
dst-mac	Type: ethernet Destination MAC address
src-ip	Source IPv4 address
src-ip	Type: ipaddr Source IP address in format i.i.i.i
dst-ip	Destination IPv4 address
dst-ip	Type: ipaddr Destination IP address in format i.i.i.i

src-ipv6	Source IPv6 address
src-ipv6	Type: ipv6addr Source IPv6 address in format i:i:i:i:i:i:i:i
dst-ipv6	Destination IPv6 address
dst-ipv6	Type: ipv6addr Destination IPv6 address in format i:i:i:i:i:i:i:i
l4-src-port	Source L4 port
l4-src-port	Type: integer min: 0 max: 65535 Source L4 port
l4-dst-port	Destination l4 port
l4-dst-port	Type: integer min: 0 max: 65535 Destination L4 port
ethertype	Ethertype of the packet stream
ethertype	Type: hex
source-interface	Source interface - Required paramter
if-id	Type: interface Interface name
protocol	Protocol
prot	Type: integer min: 0 max: 65535
module	Module #
module	Type: integer
fex	FEX devices *Not available in this release.*
fex-range	Type: integer min: 100 max: 199 FEX device range
hgig-tgid	Higig #

tgid	Type: integer min: 1024 max: 1071
__readonly__	
loadbalance-algorithm	load balance algorithm
algorithm	Type: string load balance algorithm
outgoing-port-id	outgoing port-id
port	Type: string outgoing port-id

Command Modes

- /exec

show port-channel rbh-distribution

show port-channel rbh-distribution [**interface** *if0*] [**__readonly__ TABLE_channel** *chan-id port rbh+ num_of_buckets*]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
rbh-distribution	Show RBH distribution for member ports *Not available in this release.*
interface	Specify a port-channel interface
if0	Type: interface
__readonly__	
TABLE_channel	Port-channel table
chan-id	Type: integer Channel ID
port	Type: interface Member port
num_of_buckets	Type: integer Channel ID
rbh	Type: integer Channel ID

Command Modes

- /exec

show port-channel summary

show port-channel summary [**interface** *if0*] [**__readonly__ TABLE_channel** *group port-channel layer status type prtcl* [**TABLE_member** *port port-status*]]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
summary	Show port-channel summary
interface	Specify a port-channel
if0	Type: interface
__readonly__	
TABLE_channel	Port-channel table
group	Type: integer Channel group number
port-channel	Type: interface Port channel
type	Channel type **Auto value: 1** DCE channel auto mode **Edge value: 2** DCE channel edge mode **Core value: 3** DCE channel core mode **Off value: 0** DCE channel off mode **Eth value: 4** Ethernet channel type **FC value: 5** FC channel type **Unknown value: 0xFF** Unknown channel type

prtcl	Channel protocol **LACP value: 1** Channel protocol is LACP **NONE value: 2** No protocol is running
status	Type: _enum Channel status
layer	Channel layer info **S value: 2** Channel is L2 **R value: 3** Channel is L3
TABLE_member	Member table
port	Type: interface Member port
port-status	Member port status **H value: 6** Hot standby port **P value: 1** Port is up **D value: 2** Port is down **s value: 5** Suspended port **I value: 3** Individual link **r value: 7** Module removed

Command Modes

- /exec

show port-channel traffic

show port-channel traffic [**interface** *if0*] [**__readonly__ TABLE_channel** *chanId port rx-ucst tx-ucst rx-mcst tx-mcst rx-bcst tx-bcst*]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
traffic	Show port-channel traffic statistics
__readonly__	
interface	Specify a port-channel
if0	Type: interface
TABLE_channel	Port-channel table
chanId	Type: integer Channel ID
port	Type: interface Member port
rx-ucst	Type: float Received unicast
tx-ucst	Type: float Transmitted unicast
rx-mcst	Type: float Received multicast
tx-mcst	Type: float Tranmitted multicast
rx-bcst	Type: float Received broadcast
tx-bcst	Type: float Transmitted broadcast

Command Modes

- /exec

show port-channel usage

show port-channel usage [**__readonly__** *total-channel-number-used used-range-low* [*used-range-hi*]+ *unused-range-low* [*unused-range-hi*]+]

Syntax Description

show	Show running system information
port-channel	Show port-channel information
usage	Show port-channel number usage
__readonly__	
total-channel-number-used	Type: integer Total used number of port-channels
used-range-low	Type: integer Used range low end value
used-range-hi	Type: integer Used range high end value
unused-range-low	Type: integer Un-used range low end value
unused-range-hi	Type: integer Un-used range high end value

Command Modes

- /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

show	Show running system information
port-security	Show secure port information
__readonly__	
TABLE_eth_port_sec_interfaces	Displays the secured interfaces
secure_port	Type: interface Interface Index
max_secure_addr	Type: uinteger Maximum number of secured MAC addresses
current_addr	Type: uinteger Number of secured MAC addresses
security_violation	Type: uinteger Number of security violations
security_action	Security Action Shutdown/Restrict/Protect **shutdown value: 0** **restrict value: 1** **protect value: 2**
num_val	Type: uinteger Number of Values
num_elems	Type: uinteger Number of Elements
cmdid_show_index	Type: uinteger Index for the Interfaces
port_state	Type: uinteger Port security enabled or disabled

total_addr	Type: uinteger Total number of secured MAC addresses
max_sys_limit	Type: uinteger Maximum allowed MACs excluding one per port

Command Modes

- /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 num_elems cmd_addr_index total_addr max_sys_limit*]

Syntax Description

show	Show running system information
port-security	Show secure port information
address	Show secure address
__readonly__	
TABLE_eth_port_sec_mac_addrs	Displays the secured MAC addresses
if_index	Type: interface Interface index
vlan_id	Type: vlan vlan id
mac_addr	Type: string mac address
type	static/sticky/dyanmic MAC address **Static_Mac value: 0x02** Mac type: Static **Sticky_Mac value: 0x04** Mac type: Sticky **Dynamic_Mac value: 0x08** Mac type: Dynamic
remain_age	Type: uinteger Remaining age
num_elems	Type: uinteger Number of Elements
cmd_addr_index	Type: uinteger Index for the interface address

total_addr	Type: uinteger Total number of secured MAC addresses
max_sys_limit	Type: uinteger Maximum allowed MACs excluding one per port

Command Modes

- /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

show	Show running system information
port-security	Show secure port information
address	Show secure address
blocked	Port Security Blocked macs
__readonly__	
TABLE_eth_port_sec_mac_addrs	Displays the secured MAC addresses
if_index	Type: interface Interface index
vlan_id	Type: vlan vlan id
mac_addr	Type: string mac address
type	static/sticky/dyanmic MAC address **Static_Mac value: 0x02** Mac type: Static **Sticky_Mac value: 0x04** Mac type: Sticky **Dynamic_Mac value: 0x08** Mac type: Dynamic **Blocked_Mac value: 0x40** Mac type: Blocked
remain_age	Type: uinteger Remaining age
num_elems	Type: uinteger Number of Elements

cmd_addr_index	Type: uinteger Index for the interface address
total_addr	Type: uinteger Total number of secured MAC addresses
max_sys_limit	Type: uinteger Maximum allowed MACs excluding one per port

Command Modes

- /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 num_elems total_addr max_sys_limit first*]

Syntax Description

show	Show running system information
port-security	Show secure port information
address	Show secure address
interface	Show secure interface
interface-id	Type: interface ethernet
__readonly__	
TABLE_eth_port_sec_mac_addrs	Displays the secured MAC addresses
if_index	Type: interface Interface index
vlan_id	Type: vlan vlan id
mac_addr	Type: string mac address
type	Type: integer static/sticky/dyanmic MAC address
if_index	Type: interface Interface index
remain_age	Type: uinteger Remaining age
num_elems	Type: uinteger Number of Elements
total_addr	Type: uinteger Total number of secured MAC addresses

max_sys_limit	Type: uinteger Maximum allowed MACs excluding one per port
first	Type: uinteger To identify the first entry

Command Modes

- /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 num_elems cmd_addr_index total_addr max_sys_limit*]

Syntax Description

show	Show running system information
port-security	Show secure port information
address	Show secure address
nvram	Port Security NVRAM
__readonly__	
TABLE_eth_port_sec_mac_addrs	Displays the secured MAC addresses
if_index	Type: interface Interface index
vlan_id	Type: vlan vlan id
mac_addr	Type: string mac address
type	static/sticky/dyanmic MAC address **Static_Mac value: 0x02** Mac type: Static **Sticky_Mac value: 0x04** Mac type: Sticky **Dynamic_Mac value: 0x08** Mac type: Dynamic
remain_age	Type: uinteger Remaining age
num_elems	Type: uinteger Number of Elements
cmd_addr_index	Type: uinteger Index for the interface address

total_addr	Type: uinteger Total number of secured MAC addresses
max_sys_limit	Type: uinteger Maximum allowed MACs excluding one per port

Command Modes

- /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

show	Show running system information
port-security	Show secure port information
detail	Show detailed information about secure interface
interface	Show secure interface
TABLE_eth_port_sec_intf_detail	Displays the secured interface details
__readonly__	
if_index	Type: interface Interface index
port_security	Port Security is Enabled/Disabled **enabled value: 0** **disabled value: 1**
port_status	Secure Up/Down **secure-up value: 1** **secure-down value: 2** **shutdown value: 0**
violation_mode	Shutdown/Restrict/Protect **shutdown value: 0** **restrict value: 1** **protect value: 2**
aging_time	Type: integer Aging time in minutes

aging_type	Absolute/Inactivity **absolute value: 0** **inactivity value: 1**
max_mac_addr	Type: integer Maximum number of MAC addresses that can be secured
total_sec_addrs	Type: uinteger Total number of secured MAC addresses
trap_count	Type: uinteger Trap Count
addr_aging_enable	Type: integer Specifies whether address aging is enabled
secure_last_mac_addr	Type: string Secured last mac address
sticky_enable	Type: integer Specifies sticky feature is enabled on the port
secure_last_mac_addr_vlan_id	Type: vlan Indicates the VLAN where the last MAC address seen on this interface

Command Modes

- /exec

show port-security interface

show port-security interface *interface-id* [**__readonly__** *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

show	Show running system information
port-security	Show secure port information
interface	Show secure interface
interface-id	Type: interface ethernet
__readonly__	
port_security	Port Security is Enabled/Disabled **enabled value: 0** **disabled value: 1**
port_status	Secure Up/Down **secure-up value: 1** **secure-down value: 2**
violation_mode	Shutdown/Restrict/Protect **shutdown value: 0** **restrict value: 1** **protect value: 2**
aging_time	Type: uinteger Aging time in minutes
aging_type	Absolute/Inactivity **absolute value: 0** **inactivity value: 1**

max_mac_addr	Type: uinteger Configured Maximum
total_sec_addrs	Type: uinteger Total number of secured MAC addresses
conf_num_addrs	Type: uinteger Number of configured MAC addresses
num_sticky_addrs	Type: uinteger Number of sticky MAC addresses
trap_count	Type: uinteger Trap Count

Command Modes

- /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

show	Show running system information
port-security	Show secure port information
address	Show secure address
multivlan	Show port security information for a particular vlan in a multivlan port
__readonly__	
TABLE_eth_port_sec_multi_vlan	Displays the secured MAC addresses
if_index	Type: interface Interface index
vlan_id	Type: vlan vlan id
max_sec_mac_addr_count	Type: uinteger The maximum number of MAC addresses to be secured in the vlan
cur_sec_mac_addr_count	Type: uinteger Current number of MAC addresses secured in the VLAN

Command Modes

- /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

show	Show running system information
port-security	Show secure port information
secure	Show detail information about secure address
address	Show secure address
__readonly__	
TABLE_eth_port_sec_if_vlan_secure_mac_addr	Displays the secured MAC addresses
if_index	Type: interface Interface index
mac_addr	Type: string mac address
vlan_id	Type: vlan vlan id
mac_addr_type	Type: integer static/sticky/ MAC address
remain_age	Type: uinteger Remaining age

Command Modes

- /exec

show port-security state

show port-security state [**__readonly__** *status*]

Syntax Description

show	Show running system information
port-security	Port security related command
state	port security state
__readonly__	
status	show port-security **enabled value: 0** **disabled value: 1**

Command Modes

- /exec

show port-security traps enable

show port-security traps enable [**__readonly__** *snmp_traps_enable*]

Syntax Description

show	Show running system information
port-security	Show secure port information
address	Show secure address
traps	Enable SNMP traps
enable	enable
__readonly__	
snmp_traps_enable	Type: uinteger SNMP traps enable/disable

Command Modes

- /exec

show privilege

show privilege

Syntax Description

show	Show running system information
privilege	Display privilege information

Command Modes

- /exec

show processes (launcher)

show processes {**version**| **threads**} [*comp-string*] [**__readonly__ TABLE_component** *component-name version buildinfo sourceversion*]

Syntax Description

show	Show running system information
processes	Display process information
version	Display system release information
threads	Threads Info
comp-string	Type: string Component name for detailed information
__readonly__	

Command Modes

- /exec

show processes (process)

show processes [**__readonly__** [**TABLE_processes** *pid state pc start_cnt tty p_type process*]]

Syntax Description

show	Show running system information
processes	Show processes
__readonly__	
TABLE_processes	all process information
pid	Type: string process id
state	Type: string process state
pc	Type: string pc register
start_cnt	Type: uinteger TBD
tty	Type: string TBD
p_type	Type: string process type
process	Type: string process name

Command Modes

- /exec

show processes cpu

show processes cpu [sort] [**__readonly__** [**TABLE_process_cpu** *pid runtime invoked usecs onesec process*] [*user_percent*] [*kernel_percent*] [*idle_percent*]]

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
sort	Show processes CPU Info (Sorted by Cpu Util with time base)
__readonly__	
TABLE_process_cpu	all process memory
pid	Type: integer process id
runtime	Type: uinteger Runtime
invoked	Type: uinteger Invoked
usecs	Type: uinteger usecs
onesec	Type: float fivesec
process	Type: string name of the process
user_percent	Type: float user
kernel_percent	Type: float kernel
idle_percent	Type: float idle

Command Modes

- /exec

show processes cpu history

show processes cpu history

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
history	Show processes CPU Util History

Command Modes

- /exec

show processes cpu module

show processes cpu module *i0* [**__readonly__** [**TABLE_process_cpu** *pid runtime invoked usecs onesec process*] [*user_percent*] [*kernel_percent*] [*idle_percent*]]

Syntax Description

show	Show running system information
processes	Show processes
cpu	Show processes CPU Info
module	processes CPU Info
i0	Type: integer min: 1 max: 18 module number
__readonly__	
TABLE_process_cpu	all process memory
pid	Type: integer process id
runtime	Type: integer Runtime
invoked	Type: integer Invoked
usecs	Type: integer usecs
onesec	Type: float onesec
process	Type: string name of the process
user_percent	Type: float user
kernel_percent	Type: float kernel

idle_percent	Type: float idle

Command Modes

- /exec

show processes log

show processes log [**__readonly__** [**TABLE_processes_log** *vdc process pid normal_exit stack core create_time*]]

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
__readonly__	
TABLE_processes_log	all processes log
vdc	Type: integer vdc
process	Type: string vdc process name
pid	Type: integer pid
normal_exit	Type: string process exit
stack	Type: string stack
core	Type: string core
create_time	Type: string log create time

Command Modes

- /exec

show processes log details

show processes log details [**__readonly__ line_in_log_detail** *line_in_file*]

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
details	Show detail of all logs with stack
__readonly__	
line_in_log_detail	
line_in_file	Type: string each line

Command Modes

- /exec

show processes log pid

show processes log pid *i0* [**__readonly__ TABLE_line_in_log_pid** *line_in_file*]

Syntax Description

show	Show running system information
processes	Show processes
log	Show information about process logs
pid	Show detail log info about a specific process
i0	Type: integer min: 1 max: 2147483647 pid of the process
__readonly__	
TABLE_line_in_log_pid	
line_in_file	Type: string each line

Command Modes

- /exec

show processes log vdc-all

show processes log vdc-all [**__readonly__** [**TABLE_processes_log_vdc_all** *vdc process pid normal_exit stack core create_time*]]

Syntax Description

TABLE_processes_log_vdc_all	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__	
vdc	Type: integer vdc process name
process	Type: string vdc process name
pid	Type: integer process id
normal_exit	Type: string process exit
stack	Type: string stack
core	Type: string core
create_time	Type: string log create time

Command Modes

- /exec

show processes memory

show processes memory [**__readonly__ TABLE_process_memory** *mem_pid mem_alloc mem_limit mem_used stack_base_ptr process*]

Syntax Description

show	Show running system information
processes	Show processes
memory	Show processes Memory Info
__readonly__	
TABLE_process_memory	all process memory
mem_pid	Type: integer process id
mem_alloc	Type: integer allocated memory
mem_limit	Type: integer memory limit
mem_used	Type: integer memory used
stack_base_ptr	Type: string stack and base pointer
process	Type: string name of the process

Command Modes

- /exec

show processes memory clis

show processes memory clis [**shared**| **private**]

Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
clis	
shared	Display CLIS shared memory information
private	Display CLIS private memory information

Command Modes

- /exec

show processes memory shared

show processes memory shared [**detail| dynamic**] [**__readonly__ TABLE_process_tag** [*process-tag-out*]
[*process-memory-share-dynamic-component-str*] [*process-memory-share-dynamic-shared-memory-str*]
[*process-memory-share-dynamic-current-size-str*] [*process-memory-share-dynamic-max-size-str*]
[*process-memory-share-dynamic-used-str*] [*process-memory-share-component-str*]
[*process-memory-share-shared-memory-str*] [*process-memory-share-size-str*]
[*process-memory-share-used-str*] [*process-memory-share-available-str*] [*process-memory-share-ref-str*]
[*process-memory-share-byte-set-address-str*] [*process-memory-share-byte-set-count-str*]
[*process-memory-share-address-str*] [*process-memory-share-kbytes-1-str*]
[*process-memory-share-kbytes-2-str*] [*process-memory-share-kbytes-3-str*]
[*process-memory-share-count-str*] [**TABLE_SMMITEM** *process-memory-share-smr-name*]
[**TABLE_SHOWPROC** *process-memory-share-table-showproc-key* [**TABLE_SHOWONEDYNAMIC**
[*process-memory-share-component*] [*process-memory-share-shared-memory*]
[*process-memory-share-current-size*] [*process-memory-share-max-size*] [*process-memory-share-used*]]
[**TABLE_ONEITEM** [*process-memory-share-proc-smr-name*] [*process-memory-share-smr-addr*]
[*process-memory-share-smr-size*] [*process-memory-share-smr-star-char*]
[*process-memory-share-smr-empty-char*] [*process-memory-share-smr-used*]
[*process-memory-share-smr-avail*] [*process-memory-share-smr-ref-count*]
[*process-memory-share-dynamic-smr-name*]] [**TABLE_ONEITEMDYNAMIC**
[*process-memory-share-dynamic-smr-addr*] [*process-memory-share-dynamic-smr-size*]
[*process-memory-share-dynamic-plus-char*] [*process-memory-share-max-mem-size-str*]
[*process-memory-share-dynamic-smr-used*] [*process-memory-share-dynamic-smr-avail*]
[*process-memory-share-dynamic-smr-ref-count*] [*process-memory-share-region-smr-name*]]]
[*process-memory-share-total-shm-size*] [*process-memory-share-total-shm-used*]
[*process-memory-share-total-shm-avail*]]

Syntax Description

show	Show running system information
processes	Display process information
memory	Display memory information
shared	Display shared memory info
detail	Display shared memory in bytes instead of default kbytes
dynamic	Display details of dynamic shared memory segments
__readonly__	
TABLE_process_tag	
process-tag-out	Type: string
process-memory-share-dynamic-component-str	Type: string

process-memory-share-dynamic-shared-memory-str	Type: string
process-memory-share-dynamic-current-size-str	Type: string
process-memory-share-dynamic-max-size-str	Type: string
process-memory-share-dynamic-used-str	Type: string
process-memory-share-component-str	Type: string
process-memory-share-shared-memory-str	Type: string
process-memory-share-size-str	Type: string
process-memory-share-used-str	Type: string
process-memory-share-available-str	Type: string
process-memory-share-ref-str	Type: string
process-memory-share-byte-set-address-str	Type: string
process-memory-share-byte-set-count-str	Type: string
process-memory-share-address-str	Type: string
process-memory-share-kbytes-1-str	Type: string
process-memory-share-kbytes-2-str	Type: string
process-memory-share-kbytes-3-str	Type: string
process-memory-share-count-str	Type: string
TABLE_SMMITEM	
process-memory-share-smr-name	Type: string
TABLE_SHOWPROC	
process-memory-share-table-showproc-key	Type: string
TABLE_SHOWONEDYNAMIC	
process-memory-share-component	Type: string
process-memory-share-shared-memory	Type: integer
process-memory-share-current-size	Type: integer
process-memory-share-max-size	Type: integer
process-memory-share-used	Type: integer

TABLE_ONEITEM	
process-memory-share-proc-smr-name	Type: string
process-memory-share-smr-addr	Type: string
process-memory-share-smr-size	Type: integer
process-memory-share-smr-star-char	Type: string
process-memory-share-smr-empty-char	Type: string
process-memory-share-smr-used	Type: integer
process-memory-share-smr-avail	Type: integer
process-memory-share-smr-ref-count	Type: integer
TABLE_ONEITEMDYNAMIC	
process-memory-share-dynamic-smr-name	Type: string
process-memory-share-dynamic-smr-addr	Type: string
process-memory-share-dynamic-smr-size	Type: integer
process-memory-share-dynamic-plus-char	Type: string
process-memory-share-max-mem-size-str	Type: string
process-memory-share-dynamic-smr-used	Type: integer
process-memory-share-dynamic-smr-avail	Type: integer
process-memory-share-dynamic-smr-ref-count	Type: integer
process-memory-share-region-smr-name	Type: string
process-memory-share-total-shm-size	Type: integer
process-memory-share-total-shm-used	Type: integer
process-memory-share-total-shm-avail	Type: integer

Command Modes

- /exec

show processes vdc

show processes vdc *e-vdc2*

Syntax Description

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

Command Modes

- /exec

show processes vdc cpu

show processes vdc *e-vdc2* **cpu**

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Type: userdef Enter Virtual Device Context <vdc-id>
cpu	Show processes CPU Info

Command Modes

- /exec

show processes vdc log

show processes vdc *e-vdc2* **log**

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Type: userdef Enter Virtual Device Context <vdc-id>
log	Show information about process logs

Command Modes

- /exec

show processes vdc log details

show processes vdc *e-vdc2* **log details**

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Type: userdef Enter Virtual Device Context <vdc-id>
log	Show information about process logs
details	Show detail of all logs with stack

Command Modes

- /exec

show processes vdc log pid

show processes vdc *e-vdc2* **log pid** *i1*

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Type: userdef Enter Virtual Device Context <vdc-id>
log	Show information about process logs
pid	Show detail log info about a specific process
i1	Type: integer min: 1 max: 2147483647 pid of the process

Command Modes

- /exec

show processes vdc memory

show processes vdc *e-vdc2* **memory**

Syntax Description

show	Show running system information
processes	Show processes
vdc	Show processes in vdc
e-vdc2	Type: userdef Enter Virtual Device Context <vdc-id>
memory	Show processes Memory Info

Command Modes

- /exec