



Q Show Commands

- [show qos dcbxp incompatibility interface, on page 2](#)
- [show qos dcbxp info, on page 3](#)
- [show qos dcbxp interface, on page 4](#)
- [show qos shared-policer, on page 6](#)
- [show queuing, on page 8](#)
- [show queuing pfc-queue, on page 10](#)
- [show queuing pfc-queue snmp ifIndex, on page 12](#)

show qos dcbxp incompatibility interface

```
show qos dcbxp incompatibility interface <iface-num> [ __readonly__ { <pfc> <mtu> <lpg> <rpg> <bw>
<lfcqe> <rfcqe> <liscsi> <riscsi> } ]
```

Syntax Description

| | |
|---------------------|-------------------------------------|
| show | Show running system information |
| dcbxp | DCBXP |
| incompatibility | incompatibility information |
| interface | incompatibility info for interface |
| <i>iface-num</i> | Interface |
| <i>__readonly__</i> | (Optional) |
| <i>pfc</i> | (Optional) pfc |
| <i>mtu</i> | (Optional) MTU Value |
| <i>lpg</i> | (Optional) Local Priority Grouping |
| <i>rpg</i> | (Optional) Remote Priority Grouping |
| <i>bw</i> | (Optional) CIN: bandwidth/priority |
| <i>lfcqe</i> | (Optional) local fcoe |
| <i>rfcqe</i> | (Optional) remote fcoe |
| <i>liscsi</i> | (Optional) local iscsi |
| <i>riscsi</i> | (Optional) remote iscsi |

Command Mode

- /exec

show qos dcbxp info

```
show qos dcbxp info [ __readonly__ { <intf> <pfc> <pfc> <pgr> <pgc> <mtur> <mtuc> <fcoer> <fcoec>
<iscsir> <iscsic> } ]
```

Syntax Description

| | |
|---------------|---------------------------------|
| show | Show running system information |
| dcbxp | DCBXP |
| info | information |
| __readonly__ | (Optional) |
| <i>intf</i> | (Optional) Interface |
| <i>pfc</i> | (Optional) pfc recvd |
| <i>pfc</i> | (Optional) pfc compatible |
| <i>pgr</i> | (Optional) pg received |
| <i>pgc</i> | (Optional) pg compatible |
| <i>mtur</i> | (Optional) mtu received |
| <i>mtuc</i> | (Optional) mtu compatible |
| <i>fcoer</i> | (Optional) fcoe received |
| <i>fcoec</i> | (Optional) fcoe compatible |
| <i>iscsir</i> | (Optional) iscsi received |
| <i>iscsic</i> | (Optional) iscsi compatible |

Command Mode

- /exec

show qos dcbxp interface

```
show qos dcbxp interface [ <iface> ] [ __readonly__ [ <intf> { <info_absent> | { [ <local_pfc_cap>
<local_pfc_enable_list> ] [ <peers_pfc_cap> <peers_pfc_enable_list> ] [ <local_ets_maxtc>
<local_ets_priority_list> <local_ets_bandwidth_list> <local_ets_tsa_list> ] [ <peers_ets_maxtc>
<peers_ets_priority_list> <peers_ets_bandwidth_list> <peers_ets_tsa_list> ] [ <local_app_pri>
<local_app_type> <local_app_num> ] + [ <peers_app_pri> <peers_app_type> <peers_app_num> ] + [
<local_map_pri> <local_map_dscp> ] + [ <peers_map_pri> <peers_map_dscp> ] + } } ] + ]
```

Syntax Description

| | |
|---------------------------------|--|
| show | Show running system information |
| qos | QoS |
| dcbxp | DCBXP |
| interface | Per-interface information |
| <i>iface</i> | (Optional) Interface |
| <i>__readonly__</i> | (Optional) |
| <i>intf</i> | (Optional) Interface |
| <i>info_absent</i> | (Optional) No information is present for this Interface. |
| <i>local_pfc_cap</i> | (Optional) Number of Local Flows |
| <i>local_pfc_enable_list</i> | (Optional) List of Local Flows Enabled |
| <i>peers_pfc_cap</i> | (Optional) Number of Peer Flows |
| <i>peers_pfc_enable_list</i> | (Optional) List of Peer Flows Enabled |
| <i>local_ets_maxtc</i> | (Optional) Local ETS Maximum Traffic Classes |
| <i>local_ets_priority_list</i> | (Optional) Local ETS Priority List |
| <i>local_ets_bandwidth_list</i> | (Optional) Local ETS Bandwidth List |
| <i>local_ets_tsa_list</i> | (Optional) Local ETS TSA List |
| <i>peers_ets_maxtc</i> | (Optional) Peer ETS Maximum Traffic Classes |
| <i>peers_ets_priority_list</i> | (Optional) Peer ETS Priority List |
| <i>peers_ets_bandwidth_list</i> | (Optional) Peer ETS Bandwidth List |
| <i>peers_ets_tsa_list</i> | (Optional) Peer ETS TSA List |
| <i>local_app_pri</i> | (Optional) Local Application Priority |
| <i>local_app_type</i> | (Optional) Local Application Number Type |

| | |
|-----------------------|---|
| <i>local_app_num</i> | (Optional) Local Application Number |
| <i>peers_app_pri</i> | (Optional) Peer Application Priority |
| <i>peers_app_type</i> | (Optional) Peer Application Number Type |
| <i>peers_app_num</i> | (Optional) Peer Application Number |
| <i>local_map_pri</i> | (Optional) Local Map Priority |
| <i>local_map_dscp</i> | (Optional) Local Map DSCP Value |
| <i>peers_map_pri</i> | (Optional) Peer Map Priority |
| <i>peers_map_dscp</i> | (Optional) Peer Map DSCP Value |

Command Mode

- /exec

show qos shared-policer

```
show qos shared-policer [ type qos1 ] [ <policer-name> ] [ __readonly__ { [ TABLE_policer <policer-name2>
[ <cir-spec> ] [ <bc-spec> ] [ <be-spec> ] [ <cir-rate-units> ] [ <cir> ] [ <bc-size-units> ] [ <bc> ] [
<pir-rate-units> ] [ <pir> ] [ <be-size-units> ] [ <be> ] [ <cnf-col-cmap> ] [ <exc-col-cmap> ] [ TABLE_action
<action-key> [ <cnf-act> ] [ <exc-act> ] [ <vio-act> ] [ <set-type> ] [ <enum-spec> ] [ <set-val> ] [
<tmap-from> ] [ <tmap-to> ] [ <tmap-name> ] ] ] } ]
```

Syntax Description

| | |
|-----------------------|--|
| show | Show running system information |
| shared-policer | Shared policer |
| type | (Optional) Type of shared policer |
| qos1 | (Optional) type qos |
| <i>policer-name</i> | (Optional) Shared policer name |
| <i>__readonly__</i> | (Optional) |
| TABLE_policer | (Optional) all police xml sessions |
| <i>policer-name2</i> | (Optional) Policer Name |
| TABLE_action | (Optional) all police actions xml sessions |
| <i>action-key</i> | (Optional) Count |
| <i>cir-spec</i> | (Optional) Is CIR keyword specified |
| <i>bc-spec</i> | (Optional) Is Committed Burst keyword specified |
| <i>be-spec</i> | (Optional) Is Extended Burst keyword specified |
| <i>cir-rate-units</i> | (Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps |
| <i>pir-rate-units</i> | (Optional) Units of rate - bps, kbps, mbps, gbps, ms, us, pps |
| <i>bc-size-units</i> | (Optional) Units of size - pkts/bytes/kbytes/mbytes/ms/us/perc |
| <i>be-size-units</i> | (Optional) Units of size - pkts/bytes/kbytes/mbytes/ms/us/perc |
| <i>tmap-from</i> | (Optional) |
| <i>tmap-to</i> | (Optional) |
| <i>tmap-name</i> | (Optional) Table map name |
| <i>cnf-col-cmap</i> | (Optional) Conforming color class-map name |
| <i>exc-col-cmap</i> | (Optional) Exceeding color class-map name |
| <i>enum-spec</i> | (Optional) Is DSCP or PREC enum value specified |

| | |
|-----------------|---|
| <i>cnf-act</i> | (Optional) Conform action (Police) |
| <i>exc-act</i> | (Optional) Exceed action (Police) |
| <i>vio-act</i> | (Optional) Violate action (Police) |
| <i>set-type</i> | (Optional) Type of set in police action |
| <i>set-val</i> | (Optional) Value of set type in police action |

Command Mode

- /exec

show queuing

```
show queuing [ interface [ <if_list> ] ] [ summary ] [ module <module> ] [ __readonly__ [
TABLE_interface_mtu <intf_name> <mtu_val> ] [ TABLE_queuing_interface <dir> <if_name_str> [
TABLE_qosgrp_cfg <qosgrp> [ <bandwidth> ] [ <priority> ] [ <shape-min> ] [ <shape-max> ] [ <shape-units>
] [ <buffer-size> ] [ <pause-threshold> ] [ <resume-threshold> ] [ <q-limit> ] [ <q-limit-type> ] ] [
<mc-drop-pkt> ] [ TABLE_qosgrp_egress_stats <eq-qosgrp> [ TABLE_qosgrp_egress_stats_entry
<eq-stat-type> <eq-stat-units> <eq-uc-stat-value> [ <eq-oobfc-uc-stat-value> ] [ <eq-mc-stat-value> ] ] ] [
TABLE_egress_stats_entry <ep-stat-type> <ep-stat-units> <ep-stat-value> ] [ TABLE_ingress_stats_entry
<ip-stat-type> <ip-stat-units> <ip-stat-value> ] [ <tx-ppp> <rx-ppp> [ TABLE_pfc_stats <cos> [ <pfc-qosgrp>
] [ <pfc-pg> ] <tx-pause-state> <tx-pause-count> <rx-pause-state> <rx-pause-count> ] ] ] ]
```

Syntax Description

| | |
|-------------------------|--|
| show | commands to display |
| queuing | Queuing related information |
| interface | (Optional) Interface for displaying queuing config |
| <i>if_list</i> | (Optional) List of interfaces |
| module | (Optional) Slot/module |
| <i>module</i> | (Optional) Slot/module number |
| summary | (Optional) summary |
| <i>__readonly__</i> | (Optional) |
| TABLE_interface_mtu | (Optional) mtu values of each interface |
| <i>intf_name</i> | (Optional) interface name |
| <i>mtu_val</i> | (Optional) mtu val of interface |
| TABLE_queuing_interface | (Optional) Queuing information of an interface |
| <i>dir</i> | (Optional) Direction |
| <i>if_name_str</i> | (Optional) interface name |
| TABLE_qosgrp_cfg | (Optional) Qos-group configuration |
| <i>qosgrp</i> | (Optional) Qos-group value |
| <i>bandwidth</i> | (Optional) WRR bandwidth |
| <i>priority</i> | (Optional) Priority level |
| <i>shape-units</i> | (Optional) Shape units |
| <i>q-limit</i> | (Optional) Queue limit |
| <i>q-limit-type</i> | (Optional) Queue limit type (S-Static, D-Dynamic, U-Unlimited) |

| | |
|---------------------------------|--|
| TABLE_qosgrp_egress_stats | (Optional) Qos-group egress statistics |
| <i>eq-qosgrp</i> | (Optional) Qos-group value |
| TABLE_qosgrp_egress_stats_entry | (Optional) Qos-group egress statistics entry |
| <i>eq-stat-type</i> | (Optional) Qos-group egress statistics type |
| <i>eq-stat-units</i> | (Optional) Qos-group egress statistics units |
| TABLE_egress_stats_entry | (Optional) Egress port statistics |
| <i>ep-stat-type</i> | (Optional) Egress port statistics type |
| <i>ep-stat-units</i> | (Optional) Egress port statistics units |
| TABLE_ingress_stats_entry | (Optional) Ingress port statistics |
| <i>ip-stat-type</i> | (Optional) Ingress port statistics type |
| <i>ip-stat-units</i> | (Optional) Ingress port statistics units |
| TABLE_pfc_stats | (Optional) Per COS PFC statistics |
| <i>cos</i> | (Optional) PFC COS |
| <i>pfc-qosgrp</i> | (Optional) Qos-group of the given COS |
| <i>pfc-pg</i> | (Optional) PG of the given COS/Qos-group |
| <i>tx-pause-state</i> | (Optional) Tx PFC state of the given COS |
| <i>rx-pause-state</i> | (Optional) Rx PFC state of the given COS |

Command Mode

- /exec

show queuing pfc-queue

```
show queuing pfc-queue [ interface <if_list> ] [ module <module> ] [ detail ] [ __readonly__ <glb-wd-status>
<glb-wd-force-status> <glb-wd-timer> <glb-wd-timer-thresh> <glb-auto-restore> <glb-fixed-restore>
<glb-int-intf-multi> <disable-action> <intf-multi> [ TABLE_queuing_interface <if_name_str> [
TABLE_qosgrp_stats <eq-qosgrp> [ TABLE_qosgrp_stats_entry <q-stat-type> <q-shutdown> <q-restored>
<q-pkt-drained> <q-pkt-dropped> <q-pkt-drained-n-dropped> <q-aggr-pkt-dropped> <q-ing-pkt-dropped>
<q-ing-aggr-pkt-dropped> ] ] [ TABLE_qosgrp_stats_summary <qosgrp-summary> ] ] ]
```

Syntax Description

| show | commands to display |
|----------------------------|--|
| queuing | Queuing related information |
| pfc-queue | PFC Queuing related information |
| interface | (Optional) Interface for displaying queuing config |
| <i>if_list</i> | (Optional) List of interfaces |
| module | (Optional) Slot/module |
| <i>module</i> | (Optional) Slot/module number |
| detail | (Optional) Show detailed PFC Queuing WD information |
| <i>__readonly__</i> | (Optional) |
| <i>glb-wd-status</i> | (Optional) Global watch-dog timer status |
| <i>glb-wd-force-status</i> | (Optional) Global watch-dog forcestatus |
| <i>glb-wd-timer</i> | (Optional) Global watch-dog timer value in msec |
| <i>glb-wd-timer-thresh</i> | (Optional) Global watch-dog timer thresh value in ms |
| <i>glb-auto-restore</i> | (Optional) Global auto restore multiplier value |
| <i>glb-fixed-restore</i> | (Optional) Global fixed restore multiplier value |
| <i>glb-int-intf-multi</i> | (Optional) Global internal interface multiplier value |
| <i>disable-action</i> | (Optional) Only generate syslog for queue stuck, no action |
| <i>intf-multi</i> | (Optional) Interface multiplier value |
| <i>if_name_str</i> | (Optional) interface name |
| TABLE_queuing_interface | (Optional) Queuing information of an interface |
| TABLE_qosgrp_stats | (Optional) Qos-group egress statistics |
| <i>eq-qosgrp</i> | (Optional) Qos-group value |

| | |
|----------------------------|--|
| TABLE_qosgrp_stats_entry | (Optional) Qos-group egress statistics entry |
| <i>q-stat-type</i> | (Optional) Queue stat |
| TABLE_qosgrp_stats_summary | (Optional) Qos-group egress statistics summary |
| <i>qosgrp-summary</i> | (Optional) Qos-group summary value |

Command Mode

- /exec

show queuing pfc-queue snmp ifIndex

```
show queuing pfc-queue snmp ifIndex <ifidx> [ __readonly__ TABLE-cpfcWatchdogIfQueueInfoTable
<ifidx_out> <queueno_out> <q-state> <q-shutdown> <q-restored> <q-pkt-dropped> <q-aggr-pkt-dropped>
<q-ing-pkt-dropped> <q-ing-aggr-pkt-dropped> ]
```

Syntax Description

| | |
|------------------------------------|--|
| show | Show running system information |
| queuing | Queuing related information |
| pfc-queue | PFC Queuing related information |
| snmp | Snmp information |
| ifIndex | Interface index |
| <i>ifidx</i> | Index |
| <i>__readonly__</i> | (Optional) Read Only |
| TABLE-cpfcWatchdogIfQueueInfoTable | (Optional) SNMP table |
| <i>ifidx_out</i> | (Optional) Interface index out |
| <i>queueno_out</i> | (Optional) Queue number out |
| <i>q-state</i> | (Optional) Queue state |
| <i>q-shutdown</i> | (Optional) Number of times queue is shutdown |
| <i>q-restored</i> | (Optional) Number of times queue is restored |
| <i>q-pkt-dropped</i> | (Optional) Number of packets dropped since last shutdown |
| <i>q-aggr-pkt-dropped</i> | (Optional) Number of aggregate packets dropped |
| <i>q-ing-pkt-dropped</i> | (Optional) Number of Ingress packets dropped |
| <i>q-ing-aggr-pkt-dropped</i> | (Optional) Number of aggregate Ingress packets dropped |

Command Mode

- /exec