



## Q Show Commands

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# show qos dcbxp incompatibility interface

```
show qos dcbxp incompatibility interface <iface-num> [ __readonly__ { [ { TABLE_local_pfc <vl_id_lpfc>
[ <lpfc> ] } ] [ { TABLE_remote_pfc <vl_id_rpfc> [ <rpfc> ] } ] [ <mtu> ] [ { TABLE_lpg <vl_id_lpg> [
<cos_list_lpg> ] [ <bandwidth_lpg> ] } ] [ { TABLE_rpg <vl_id_rpg> [ <cos_list_rpg> ] [ <bandwidth_rpg>
] } ] [ <bw> ] [ <lfcoe> ] [ <rfcoe> ] [ <liscsi> ] [ <riscsi> ] } ]
```

## 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)
TABLE_local_pfc	(Optional) local pfc table
<i>vl_id_lpfc</i>	(Optional) vl ID for local PFC
<i>lpfc</i>	(Optional) local pfc
TABLE_remote_pfc	(Optional) remote pfc table
<i>vl_id_rpfc</i>	(Optional) vl ID for remote PFC
<i>rpfc</i>	(Optional) remote pfc
<i>mtu</i>	(Optional) MTU Value
TABLE_lpg	(Optional) LPG Table
<i>vl_id_lpg</i>	(Optional) vl ID for LPG
<i>cos_list_lpg</i>	(Optional) cos list for LPG
<i>bandwidth_lpg</i>	(Optional) bandwidth for LPG
TABLE_rpg	(Optional) RPG Table
<i>vl_id_rpg</i>	(Optional) vl ID for RPG
<i>cos_list_rpg</i>	(Optional) cos list for RPG
<i>bandwidth_rpg</i>	(Optional) bandwidth for RPG
<i>bw</i>	(Optional) CIN: bandwidth/priority
<i>lfcoe</i>	(Optional) local fcoe

<i>rfcoe</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__ { TABLE_dcbxp <intf> <pfc> <pfc> <pgr> <pgc> <mtur> <mtuc>
<fcoer> <fcoec> <iscsir> <iscsic> } ]
```

## Syntax Description

show	Show running system information
dcbxp	DCBXP
info	information
__readonly__	(Optional)
TABLE_dcbxp	(Optional) dxcbsp info
<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 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
__readonly__	(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> [ TABLE_queueing_interface <if_name_str> <wd-status> [ <disable-action> ] [ <intf-multi>
] [ <vl-bmp> ] [ <qosgrp_7_state> ] [ <qosgrp_6_state> ] [ <qosgrp_5_state> ] [ <qosgrp_4_state> ] [
<qosgrp_3_state> ] [ <qosgrp_2_state> ] [ <qosgrp_1_state> ] [ <qosgrp_0_state> ] [ TABLE_qosgrp_stats
<eq-qosgrp> <eq-qosgrp-state> <pfc-configured> <pfc-cos> 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> ] ] ] ]
```

## 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
__readonly__	(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 mulitplier value
<i>if_name_str</i>	(Optional) interface name
TABLE_queueing_interface	(Optional) Queuing information of an interface
<i>wd-status</i>	(Optional) PFC watch-dog status

<i>vl-bmp</i>	(Optional) VL Bitmap
<i>qosgrp_7_state</i>	(Optional) Qos group 7 state
<i>qosgrp_6_state</i>	(Optional) Qos group 6 state
<i>qosgrp_5_state</i>	(Optional) Qos group 5 state
<i>qosgrp_4_state</i>	(Optional) Qos group 4 state
<i>qosgrp_3_state</i>	(Optional) Qos group 3 state
<i>qosgrp_2_state</i>	(Optional) Qos group 2 state
<i>qosgrp_1_state</i>	(Optional) Qos group 1 state
<i>qosgrp_0_state</i>	(Optional) Qos group 0 state
TABLE_qosgrp_stats	(Optional) Qos-group egress statistics
<i>eq-qosgrp</i>	(Optional) Qos-group value
<i>eq-qosgrp-state</i>	(Optional) Qos-group state
<i>pfc-configured</i>	(Optional) PFC configuration
<i>pfc-cos</i>	(Optional) PFC Cos value
TABLE_qosgrp_stats_entry	(Optional) Qos-group egress statistics entry
<i>q-stat-type</i>	(Optional) Queue stat

### 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

# show queuing tabular

```
show queuing tabular [ non-zero [ drop-only ] ] [ interface <if_list> ] [ module <module> ] [ __readonly__ [
TABLE_queuing_interface<if_name_str><qos_group_name_0><qos_group_name_1><qos_group_name_2>
<qos_group_name_3><qos_group_name_4><qos_group_name_5><qos_group_name_6>
<qos_group_name_7><qos_group_name_cpu><qos_group_name_span><tx_uc_pkt_qos_0>
<tx_uc_byte_qos_0><tx_uc_drop_pkt_qos_0><tx_uc_drop_byte_qos_0><tx_uc_ecn_pkt_qos_0>
<tx_uc_ecn_byte_qos_0><tx_oobfc_uc_pkt_qos_0><tx_oobfc_uc_byte_qos_0>
<tx_oobfc_uc_drop_pkt_qos_0><tx_oobfc_uc_drop_byte_qos_0><tx_fld_pkt_qos_0><tx_fld_byte_qos_0>
<tx_fld_drop_pkt_qos_0><tx_fld_drop_byte_qos_0><tx_mc_pkt_qos_0><tx_mc_byte_qos_0>
<tx_mc_drop_pkt_qos_0><tx_mc_drop_byte_qos_0><pfc_rx_qos_0><pfc_tx_qos_0><qos_grp_1>
<qos_grp_2><qos_grp_3><qos_grp_4><qos_grp_5><qos_grp_6><qos_grp_7><qos_grp_cpu>
<qos_grp_span><ing_drop_pkt> ] ]
```

## Syntax Description

show	commands to display
queuing	Queuing related information
tabular	QoS stats in tabular form
non-zero	(Optional) Interface for non-zero stats
drop-only	(Optional) Interface for non-zero drop-only stats
interface	(Optional) Interface for displaying queuing config
<i>if_list</i>	(Optional) List of interfaces
module	(Optional) Slot/module
<i>module</i>	(Optional) Slot/module number
__readonly__	(Optional)
<i>if_name_str</i>	(Optional) interface name
TABLE_queuing_interface	(Optional) Queuing information of an interface
<i>qos_group_name_0</i>	(Optional) QoS Group name
<i>qos_group_name_1</i>	(Optional) QoS Group name
<i>qos_group_name_2</i>	(Optional) QoS Group name
<i>qos_group_name_3</i>	(Optional) QoS Group name
<i>qos_group_name_4</i>	(Optional) QoS Group name
<i>qos_group_name_5</i>	(Optional) QoS Group name
<i>qos_group_name_6</i>	(Optional) QoS Group name

<i>qos_group_name_7</i>	(Optional) QoS Group name
<i>qos_group_name_cpu</i>	(Optional) QoS Group name
<i>qos_group_name_span</i>	(Optional) QoS Group name

**Command Mode**

- /exec

 show queuing tabular