



Q Commands

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qos (pltfm_config)

[no] {platform|hardware} qos ns-mcq3-alias qos-group qos-grp-val [module module]

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure QoS related configuration
ns-mcq3-alias	Select qos-group to which to divert qos-group-3 Multicast traffic <i>Available only in the 9300 series.</i>
qos-group	Qos Group
<i>qos-grp-val</i>	Type: integer min: 0 max: 3 QoS group value
module	Specify a module number <i>Not available in this release.</i>
<i>module</i>	Type: integer Specify a module number

Command Modes

- /exec/configure

qos (pltfm_config)

[no] {platform|hardware} qos ns-buffer-profile *buff-prof-opts* [**module** *module*]

Syntax	Description
no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure qos related configuration
ns-buffer-profile	NorthStar buffer absorption profiles
<i>buff-prof-opts</i>	mesh value: 0 mesh optimized burst value: 1 burst optimized ultra-burst value: 2 ultra burst optimized
module	Specify a module number <i>Not available in this release.</i>
<i>module</i>	Type: integer Specify a module number

Command Modes • /exec/configure

qos copy policy-map type network-qos

`qos copy policy-map type network-qos pmap-nq-enum-name-dc3 {prefix|suffix} ix-name`

Syntax Description

qos	QoS Manager
copy	Copy (Clone) template
policy-map	Configure a policy map
type	Specify the type of this policy-map
network-qos	Network QoS policy
<i>pmap-nq-enum-name-dc3</i>	default-nq-policy value: 4 default network-qos policy
prefix	Policy map name prefix
suffix	Policy map name suffix
<i>ix-name</i>	Type: string length: 40 Suffix/Prefix name, max size counted together with policy name

Command Modes

- /exec

qos copy policy-map type queuing

```
qos copy policy-map type queuing pmap-name-que-temp {prefix|suffix} ix-name
```

Syntax Description

qos	QoS Manager
copy	Copy (Clone) template
policy-map	Configure a policy map
type	Specify the type of this policy-map
queuing	Queuing policy
<i>pmap-name-que-temp</i>	Type: string antipattern: type typ ty t length: 40 Policy-map name
prefix	Policy map name prefix
suffix	Policy map name suffix
<i>ix-name</i>	Type: string length: 40 Suffix/Prefix name, max size counted together with policy name

Command Modes

- /exec

qos eoq

[no] {platform|hardware} qos eoq stats-class qos-group {allqos-grp-val} [module module]

Syntax Description

no	Negate a command or set its defaults
platform	Platform configuration commands
hardware	Hardware Internal Information
qos	Configure QoS related configuration
eoq	Extended Output Queue(EOQ) related configuration
stats-class	Select class for which to report the statistics
qos-group	Qos Group
<i>qos-grp-val</i>	Type: integer min: 0 max: 3 QoS group value
all	all Qos Groups
module	Specify a module number <i>Not available in this release.</i>
<i>module</i>	Type: integer Specify a module number

Command Modes

- /exec/configure

qos statistics

[no] qos statistics

Syntax Description	no	Negate a command or set its defaults
	qos	QoS Global Commands
	statistics	statistics
Command Modes		• /exec/configure

queue-limit

[no] queue-limit [**cos** *cos-val*] {*q-size* [{**packets**|**bytes**|**kbytes**|**mbytes**|**ms**|**us**|**dynamic**]}]**percent**
perc-q-size|**dynamic** *alpha*}

Syntax Description

no	Negate a command or set its defaults
queue-limit	Configure queue size for the class
cos	IEEE 802.1Q class of service <i>Not available in this release.</i>
<i>cos-val</i>	Type: uinteger min: 0 max: 7 802.1Q Class of Service value
<i>q-size</i>	Type: long Queue size in bytes/kbytes/mbytes/ms/us
percent	Specify queue size in Percentage <i>Not available in this release.</i>
<i>perc-q-size</i>	Type: uinteger min: 1 max: 100 Queue size in percentage of total tx/rx buffer size
dynamic	Queue size in dynamic alpha factor
<i>alpha</i>	Type: uinteger min: 0 max: 10 0-1/128, 1-1/64, 2-1/32, 3-1/16, 4-1/8, 5-1/4, 6-1/2, 7-1, 8-2, 9-4, 10-8
packets	Packets <i>Not available in this release.</i>
bytes	Bytes
kbytes	Kilo bytes
mbytes	Mega bytes
ms	Milli second(s) <i>Not available in this release.</i>
us	Micro second(s) <i>Not available in this release.</i>

Command Modes

- /exec/configure/policy-map/type/queuing/class