



# Q Commands

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This chapter describes the Cisco NX-OS quality of service (QoS) commands that begin with Q.

# queue-limit

To configure tail drop by setting queue limits on ingress queues, use the **queue-limit** command. To remove a queue limit, use the **no** form of this command.

**queue-limit** *queue-size* **bytes**

**no queue-limit** *queue-size* **bytes**

## Syntax Description

|                   |                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <i>queue-size</i> | Queue size threshold (in bytes). The range is from 20480 to 204800. For the Cisco Nexus device, the range is from 20480 to 426880 bytes. |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------|

## Command Default

None

## Command Modes

Policy map type network-qos class configuration

## Command History

| Release     | Modification                 |
|-------------|------------------------------|
| 6.0(2)N1(1) | This command was introduced. |

## Usage Guidelines

You can use this command to specify or modify the maximum number of packets the queue can hold for a class policy configured in a policy map. The system drops packets that exceed the configured queue-size threshold.

You can use this command only for network-qos class maps that do not have “pause” configured.

## Examples

This example shows how to assign a queue limit to a policy map network-qos class:

```
switch(config)# policy-map type network-qos my_queue
switch(config-pmap-nq)# class type network-qos nqos_class
switch(config-pmap-nq-c)# queue-limit 20480 bytes
switch(config-pmap-nq-c)#
```

This example shows how to remove a queue limit from a policy map queuing class:

```
switch(config)# policy-map type network-qos my_queue
switch(config-pmap-nq)# class type network-qos nqos_class
switch(config-pmap-nq-c)# no queue-limit 20480 bytes
switch(config-pmap-nq-c)#
```

## Related Commands

| Command                | Description                                                                           |
|------------------------|---------------------------------------------------------------------------------------|
| <b>pause no-drop</b>   | Enables pause characteristics on a class referenced in a type network-qos policy map. |
| <b>show policy-map</b> | Displays policy maps.                                                                 |



