

Monitoring the QoS Configuration of Fast Ethernet, Gigabit Ethernet, and 10-Gigabit Ethernet Interfaces

Purpose Display information about the QoS configuration for a specific Fast Ethernet, Gigabit Ethernet, or 10-Gigabit Ethernet interface.

Action To display the QoS configuration for a Fast Ethernet interface:

```
host1#show interfaces fastEthernet 6/0
GigEthernet6/0 is Up, Administrative status is Up
Hardware is Intel 21440, address is 0090.1a40.5508
MAU is 100BASE-TX
MTU: Operational 1522, Administrative 1522
Duplex Mode: Operational Full Duplex, Administrative Auto Negotiate
Speed: Operational 100 Mbps, Administrative Auto Negotiate
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
In: Bytes 0, Unicast 0
Multicast 0, Broadcast 0
Errors 0, Discards 0, Mac Errors 0, Alignment 0
CRC 0, Too Longs 0, Symbol Errors 0
Out: Bytes 64, Unicast 0
Multicast 0, Broadcast 1
Errors 0, Discards 0, Mac Errors 0, Deferred 0, No Carrier 0
Collisions: Single 0, Multiple 0, Late 0, Excessive 0
Administrative qos-shaping-mode: cell
Operational qos-shaping-mode: cell
Attached QoS profile: ss
```

To display the QoS configuration for a Gigabit Ethernet interface:

```
host1#show interfaces gigabitEthernet 2/0
```

To display the QoS configuration for a 10-Gigabit Ethernet interface:

```
host1#show interfaces tenGigabitEthernet 5/0/0
```

Meaning Table 1 lists the related **show interfaces** command output fields.

Table 1: show interfaces Output Fields

Field Name	Field Description
Administrative qos-shaping-mode	Configured shaping mode for the interface: <ul style="list-style-type: none">■ disabled—Shaping mode is configured but disabled.■ frame—Default shaping mode for shaping and policing rates. Reports QoS statistics such as transmitted bytes and dropped bytes based on bytes within frames.■ cell—Shaping mode for shaping and policing rates is cell-based; resulting traffic stream conforms exactly to the policing rates configured in downstream devices. Reports statistics in bytes within cells and also accounts for cell encapsulation and padding overhead.■ none—Shaping mode is not configured.
Operational qos-shaping-mode	Actual shaping mode for the interface. The router determines the operational shaping mode based on the value configured using the qos-shaping-mode command. For more information, see QoS Shaping Mode for Ethernet Interfaces Overview. <ul style="list-style-type: none">■ disabled—Shaping mode is configured but disabled.■ frame—Default shaping mode for shaping and policing rates. Reports QoS statistics such as transmitted bytes and dropped bytes based on bytes within frames.■ cell—Shaping mode for shaping and policing rates is cell-based; resulting traffic stream conforms exactly to the policing rates configured in downstream devices. Reports statistics in bytes within cells and also accounts for cell encapsulation and padding overhead.■ none—Shaping mode is not configured.
Attached QoS profile	QoS profile attachment at or below the displayed interface. For example, if the interface being displayed is a VLAN subinterface, and the attachment is at the Gigabit Ethernet interface, the Gigabit Ethernet attachment is displayed.

- Related Topics**
- Configuring the QoS Shaping Mode for Ethernet Interfaces
 - Creating Parameter Instances

- For more information about other fields displayed with this , see *JUNOS Physical Layer Configuration Guide*
- show interfaces

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