



CHAPTER 6

Monitoring QoS Statistics

This chapter describes how to enable, display, and clear QoS statistics on the Cisco 1000 Series Connected Grid Routers (*hereafter* referred to as the Cisco CG-OS router). This chapter includes the following sections:

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Information About QoS Statistics

You can display various QoS statistics for the Cisco CG-OS router. By default, statistics are enabled, but you can disable this feature. For more information, see [Enabling Statistics, page 6-1](#).

Prerequisites for Monitoring QoS Statistics

You must be familiar with [Chapter 2, “Using Modular QoS CLI.”](#)

You must log in to the Cisco CG-OS router.

Guidelines and Limitations

None.

Enabling Statistics

You can enable or disable QoS statistics for all interfaces on the Cisco CG-OS router. By default, QoS statistics are enabled on the Cisco CG-OS router.

DETAILED STEPS

	Command	Purpose
Step 1	configure terminal	Enters configuration mode.
Step 2	qos statistics	Enables QoS statistics on all interfaces.
	no qos statistics	Disables QoS statistics on all interfaces.
Step 3	show policy-map interface	(Optional) Displays the statistics status and the configured policy maps on all interfaces.
Step 4	copy running-config startup-config	(Optional) Saves the running configuration to the startup configuration.

EXAMPLE

This example shows how to enable QoS statistics on all interfaces:

```
router# configure terminal
router(config)# qos statistics
router(config)# copy running-config startup-config
```

To disable QoS statistics on all interfaces, enter the **no qos statistics** command in the configuration mode.

Monitoring the Statistics

You can display QoS statistics for all interfaces or a selected interface, data direction, or a QoS type by using the following **show** command.

Command	Purpose
show policy-map [<i>policy-map-name</i>] [interface { cellular ethernet wimax } <i>slot/port</i>] [output] [type qos]	Displays statistics and the configured policy maps on all interfaces, a specific interface, data direction, and QoS type.
	Note The Cisco CG-OS router only supports the <i>output</i> option for data direction.

This example shows how to display QoS statistics for a specific interface.

```
router# show policy-map interface cellular 3/1 type qos
```

This example shows how to display the output data direction for all interfaces on the Cisco CG-OS router.

```
router# show policy-map interface output
```

Clearing Statistics

You can clear QoS statistics for all interfaces or a selected interface, data direction, or QoS type by using the **clear qos statistics** command.

Command	Purpose
clear qos statistics [interface { cellular ethernet wimax } <i>slot/port</i>] [output] [type qos]	Clears statistics and the configured policy maps on all interfaces or the specified interface, data direction, or QoS type.

This example shows how to clear QoS statistics for a specific interface.

```
router# clear qos statistics interface ethernet 2/1
```

This example shows how to clear all QoS statistics on the Cisco CG-OS router.

```
router# clear qos statistics type qos
```

Configuration Example For Monitoring QoS Statistics

The following example shows how to display QoS statistics.

```
router(config)# show policy-map interface cellular 3/1 type qos
```

