

Chapter 32

Troubleshooting QoS

This chapter provides information for troubleshooting QoS.

QoS topics are discussed in the following sections:

- Troubleshooting Memory and Processor Use for Egress Queue Rate Statistics and Events on page 349

Troubleshooting Memory and Processor Use for Egress Queue Rate Statistics and Events

Problem The E-series router uses shared processing and memory when it gathers egress queue rate statistics and events. If sufficient memory is not available, the statistics gathering is temporarily disabled and the queues are considered to be in *failover mode* until memory becomes available.

The router displays a CLI message whenever queues are put into failover mode and when they recover from failover mode.



NOTE: When an extremely large number of statistics is being gathered over a short period of time, the router might release the processor to perform more important tasks. This can result in longer rate periods than you have configured. For example, if you configured 10,000 queues to gather statistics every second on a line module, the router might actually lengthen the rate to 2 seconds or more.

Solution To display the number of queues that are disabled because of no resources, issue the **show egress-queue rates** command.

Related Topics

- Monitoring Forwarding and Drop Rates on the Egress Queue on page 330
- **show egress-queue rates** command

