

Configuring QoS on the E Series Router

Several of the tasks for configuring QoS on your E Series router are optional.

To configure QoS on your E Series router:

1. Create and configure a traffic class.

See [Traffic Class and Traffic-Class Groups Overview](#).

2. (Optional) Create one or more traffic-class groups.

See [Traffic Class and Traffic-Class Groups Overview](#).

3. (Optional) To configure nondefault buffer management, create a queue profile.

See [Queuing and Buffer Management Overview](#).

4. (Optional) To configure RED or WRED, create a drop profile.

See [Dropping Behavior Overview](#).

5. (Optional) To gather rate statistics, create a statistics profile.

See [QoS Statistics Overview](#).

6. Configure a scheduler hierarchy with a scheduler profile.

See [Scheduler Hierarchy Overview](#).

7. (Optional) Configure shaping:

- Configure shaping and shared shaping using the scheduler profile.

See [Rate Shaping and Port Shaping Overview](#), [Simple Shared Shaping Overview](#), and [Compound Shared Shaping Overview](#).

- Configure shaping rates independent of the QoS profile and scheduler profile using QoS parameters.

See [Parameter Definition Attributes for QoS Administrators Overview](#).

8. Create a QoS profile. QoS profiles reference queue, drop, statistics, and scheduler profiles.

See [Queuing and Buffer Management Overview](#).

9. Attach the QoS profile to one or more interfaces, or specify the profile as a QoS port-type profile for a given interface type.

See [Queuing and Buffer Management Overview](#).