

## Configuring CoS Forwarding Classes (NSM Procedure)

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Forwarding classes allow you to group packets for transmission. Based on forwarding classes, you assign packets to output queues.

By default, four categories of forwarding classes are defined: best effort, assured forwarding, expedited forwarding, and network control.



**NOTE:** EX-series switches support up to 16 forwarding classes.

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To configure CoS forwarding classes:

1. In the navigation tree, select **Device Manager > Devices**.
2. Click the **Device Tree** tab, and then double-click the device for which you want to configure CoS forwarding classes.
3. Click the **Configuration** tab. In the configuration tree, expand **Class of Service**.
4. Select **Forwarding Classes**.
5. Add or modify settings as specified in Table 1.
6. Click one:
  - OK—Saves the changes.
  - Cancel—Cancels the modifications.



**NOTE:** After you make changes to a device configuration, you must push that updated device configuration to the physical security device for those changes to take effect. You can update multiple devices at one time. See the *Network and Security Manager Administration Guide* for more information.

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**Table 1: Assigning Forwarding Classes to Output Queues**

Task	Action
Assign best-effort traffic to queue 0.	<ol style="list-style-type: none"><li>1. Select <b>Queue</b> and click <b>Add new entry</b>.</li><li>2. In the Queue num box, type <b>0</b>.</li><li>3. In the Class name box, type the previously configured name of the best-effort class—for example, <b>be-class</b>.</li><li>4. Click <b>OK</b>.</li></ol>

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**Table 1: Assigning Forwarding Classes to Output Queues** *(continued)*

Task	Action
Assign expedited forwarding traffic to queue 1.	<ol style="list-style-type: none"><li>1. Select <b>Queue</b> and click <b>Add new entry</b>.</li><li>2. In the Queue num box, type <b>1</b>.</li><li>3. In the Class name box, type the previously configured name of the expedited forwarding class—for example, <b>ef-class</b>.</li><li>4. Click <b>OK</b>.</li></ol>
Configure an assured forwarding class classifier.	<ol style="list-style-type: none"><li>1. Select <b>Queue</b> and click <b>Add new entry</b>.</li><li>2. In the Queue num box, type <b>3</b>.</li><li>3. In the Class name box, type the previously configured name of the assured forwarding class—for example, <b>af-class</b>.</li><li>4. Click <b>OK</b>.</li></ol>
<b>Related Topics</b>	<ul style="list-style-type: none"><li>■ Configuring CoS Classifiers (NSM Procedure)</li><li>■ Configuring CoS Code Point Aliases (NSM Procedure)</li><li>■ Configuring CoS Drop Profile (NSM Procedure)</li><li>■ Configuring CoS Interfaces (NSM Procedure)</li><li>■ Configuring CoS Rewrite Rules (NSM Procedure)</li><li>■ Configuring CoS Schedulers (NSM Procedure)</li><li>■ Configuring CoS and Applying Scheduler Maps (NSM Procedure)</li></ul>

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