

Configuring CoS Forwarding Classes (NSM Procedure)

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.

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.

Table 1: Assigning Forwarding Classes to Output Queues

Task	Action
Assign best-effort traffic to queue 0.	<ol style="list-style-type: none">1. Select Queue and click Add new entry.2. In the Queue num box, type 0.3. In the Class name box, type the previously configured name of the best-effort class—for example, be-class.4. Click OK.

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

Task	Action
Assign expedited forwarding traffic to queue 1.	<ol style="list-style-type: none">1. Select Queue and click Add new entry.2. In the Queue num box, type 1.3. In the Class name box, type the previously configured name of the expedited forwarding class—for example, ef-class.4. Click OK.
Configure an assured forwarding class classifier.	<ol style="list-style-type: none">1. Select Queue and click Add new entry.2. In the Queue num box, type 3.3. In the Class name box, type the previously configured name of the assured forwarding class—for example, af-class.4. Click OK.
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