

## Defining CoS Forwarding Classes (CLI 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. EX-series switches support up to 16 forwarding classes.

You can configure forwarding classes in one of the following ways:

- Using **class** statement—You can configure up to 16 forwarding classes and you can map multiple forwarding classes to single queue.
- Using **queue** statement—You can configure up to 8 forwarding classes and you can map one forwarding class to one queue.

This example uses the **class** statement to configure forwarding classes.

To configure CoS forwarding classes, map the forwarding classes to queues:

```
[edit class-of-service forwarding-classes]
user@switch# set class be queue-num 0
user@switch# set class ef queue-num 1
user@switch# set class af queue-num 2
user@switch# set class nc queue-num 3
user@switch# set class ef1 queue-num 4
user@switch# set class ef2 queue-num 5
user@switch# set class af1 queue-num 6
user@switch# set class nc1 queue-num 7
```

### Related Topics

- Defining CoS Forwarding Classes (J-Web Procedure)
- Example: Configuring CoS on EX-series Switches
- Assigning CoS Components to Interfaces (CLI Procedure)
- Monitoring CoS Forwarding Classes
- Understanding CoS Forwarding Classes

