

Defining CoS Rewrite Rules (CLI Procedure)

You configure rewrite rules to alter CoS values in outgoing packets on the outbound interfaces of an EX-series switch to match the policies of a targeted peer. Policy matching allows the downstream routing platform or switch in a neighboring network to classify each packet into the appropriate service group.

To configure a CoS rewrite rule, create the rule by giving it a name and associating it with a forwarding class, loss priority, and a code point, thus creating a rewrite table. After the rewrite rule is created, enable it on an interface. You can also apply an existing rewrite rule on an interface.



NOTE: To replace an existing rewrite rule on the interface with a new rewrite rule of the same type, first explicitly remove the rewrite rule and then apply the new rule.



NOTE: Custom rewrite-rule bindings are implemented through filters. And custom rewrite rules cannot be bound to routed VLAN interfaces (RVIs).

To create rewrite rules and enable them on interfaces:

- To create an 802.1p rewrite rule named customup-rw in the rewrite table for all Layer 2 interfaces:

```
[edit class-of-service rewrite-rules]
user@switch# set ieee-802.1 customup-rw forwarding-class be loss-priority
low code-point 000
user@switch# set ieee-802.1 customup-rw forwarding-class be loss-priority
high code-point 001
user@switch# set ieee-802.1 customup-rw forwarding-class af loss-priority
low code-point 010
user@switch# set ieee-802.1 customup-rw forwarding-class af loss-priority
high code-point 011
user@switch# set ieee-802.1 customup-rw forwarding-class ef loss-priority
low code-point 100
user@switch# set ieee-802.1 customup-rw forwarding-class ef loss-priority
high code-point 101
user@switch# set ieee-802.1 customup-rw forwarding-class nc loss-priority
low code-point 110
user@switch# set ieee-802.1 customup-rw forwarding-class nc loss-priority
high code-point 111
```

- To enable an 802.1p rewrite rule named customup-rw on a Layer 2 interface:

```
[edit]
user@switch# set class-of-service interfaces ge-0/0/0 unit 0 rewrite-rules
ieee-802.1 customup-rw
```

- To enable an 802.1p rewrite rule named customup-rw on all Gigabit Ethernet interfaces on the switch, use wildcards for the interface name and logical-interface (unit) number:

```
[edit]  
user@switch# set class-of-service interfaces ge-* unit * rewrite-rules  
customup-rw
```

- Related Topics**
- Defining CoS Rewrite Rules (J-Web Procedure)
 - Example: Configuring CoS on EX-series Switches
 - Monitoring CoS Rewrite Rules
 - Understanding CoS Rewrite Rules