

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

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