

show class-of-service

Syntax show class-of-service

Release Information Command introduced in JUNOS Release 9.0 for EX-series switches.

Description Display the class of service (CoS) information.

Options This command has no options.

Required Privilege Level view

- Related Topics**
- Example: Configuring CoS on EX-series Switches
 - Monitoring CoS Value Aliases
 - Monitoring CoS Classifiers
 - Monitoring CoS Forwarding Classes
 - Monitoring CoS Scheduler Maps
 - Monitoring CoS Rewrite Rules

List of Sample Output show class-of- service on page 2

Output Fields Table 1 on page 1 lists the output fields for the `show class-of-service` command. Output fields are listed in the approximate order in which they appear.

Table 1: show class-of-service Output Fields

Field Name	Field Description	Level of Output
Forwarding class	The forwarding class configuration: <ul style="list-style-type: none">■ Forwarding class—Name of the forwarding class.■ ID—Forwarding class ID.■ Queue—Queue number.	All levels
Code point type	The type of code-point alias: <ul style="list-style-type: none">■ dscp—Aliases for DiffServ code point (DSCP) values.■ ieee-802.1—Aliases for IEEE 802.1p values.■ inet-precedence—Aliases for IP precedence values.	All levels
Alias	Names given to CoS values.	All levels
Bit pattern	Set of bits associated with an alias.	All levels
Classifier	Name of the classifier.	All levels
Code point	Code-point values.	All levels
Loss priority	Loss priority assigned to specific CoS values and aliases of the classifier.	All levels

Table 1: show class-of-service Output Fields (continued)

Field Name	Field Description	Level of Output
Rewrite rule	Name of the rewrite-rule.	All levels
Drop profile	Name of the drop profile.	All levels
Type	Type of drop profile. EX-series switches support only the discrete type of drop-profile.	All levels
Fill level	Percentage of queue buffer fullness of high packets after which high packets are dropped.	All levels
Scheduler	Name of the scheduler.	All levels
Transmit rate	Transmission rate of the scheduler.	All levels
Buffer size	Delay buffer size in the queue.	All levels
Drop profiles	Drop profiles configured for the specified scheduler.	All levels
Protocol	Transport protocol corresponding to the drop profile.	All levels
Name	Name of the drop profile.	All levels
Queues supported	Number of queues that can be configured on the interface.	All levels
Queues in use	Number of queues currently configured.	All levels
Physical interface	Name of the physical interface.	All levels
Scheduler map	Name of the scheduler map.	All levels
Index	Internal index of a specific object.	All levels

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show class-of-service user@switch> show class-of-service
Forwarding class          ID      Queue
best-effort              0       0
expedited-forwarding     1       5
assured-forwarding      2       1
network-control         3       7

Code point type: dscp
Alias      Bit pattern
af11      001010
af12      001100
...      ...

Code point type: ieee-802.1
Alias      Bit pattern
af11      010
...      ...

Code point type: inet-precedence
Alias      Bit pattern

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af11          001
...          ...

Classifier: dscp-default, Code point type: dscp, Index: 7
Code point    Forwarding class    Loss priority
000000        best-effort                    low
000001        best-effort                    low
...          ...

Classifier: ieee8021p-default, Code point type: ieee-802.1, Index: 11
Code point    Forwarding class    Loss priority
000          best-effort                    low
001          best-effort                    low
010          best-effort                    low
011          best-effort                    low
100          best-effort                    low
101          best-effort                    low
110          network-control                low
111          network-control                low

Classifier: ipprec-default, Code point type: inet-precedence, Index: 12
Code point    Forwarding class    Loss priority
000          best-effort                    low
001          best-effort                    low
010          best-effort                    low
011          best-effort                    low
100          best-effort                    low
101          best-effort                    low
110          network-control                low
111          network-control                low

Classifier: ieee8021p-untrust, Code point type: ieee-802.1, Index: 16
Code point    Forwarding class    Loss priority
000          best-effort                    low
001          best-effort                    low
010          best-effort                    low
011          best-effort                    low
100          best-effort                    low
101          best-effort                    low
110          best-effort                    low
111          best-effort                    low

Rewrite rule: dscp-default, Code point type: dscp, Index: 27
Forwarding class    Loss priority    Code point
best-effort          low              000000
best-effort          high             000000
expedited-forwarding low              101110
expedited-forwarding high             101110
assured-forwarding  low              001010
assured-forwarding  high             001100
network-control     low              110000
network-control     high             111000

Rewrite rule: ieee8021p-default, Code point type: ieee-802.1, Index: 30
Forwarding class    Loss priority    Code point
best-effort          low              000
best-effort          high             001
expedited-forwarding low              100
expedited-forwarding high             101
assured-forwarding  low              010
assured-forwarding  high             011

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network-control          low          110
network-control          high         111

Rewrite rule: ipprec-default, Code point type: inet-precedence, Index: 31
Forwarding class        Loss priority    Code point
best-effort             low             000
best-effort             high            000
expedited-forwarding    low             101
expedited-forwarding    high            101
assured-forwarding      low             001
assured-forwarding      high            001
network-control         low             110
network-control         high            111

Drop profile:<default-drop-profile>, Type: discrete, Index: 1
  Fill level
    100

Scheduler map: <default>, Index: 2

Scheduler: <default-be>, Forwarding class: best-effort, Index: 20
  Transmit rate: 95 percent, Rate Limit: none, Buffer size: 95 percent,
  Priority: low
  Drop profiles:
    Loss priority  Protocol  Index  Name
    High          non-TCP   1      <default-drop-profile>
    High          TCP      1      <default-drop-profile>

Scheduler: <default-nc>, Forwarding class: network-control, Index: 22
  Transmit rate: 5 percent, Rate Limit: none, Buffer size: 5 percent,
  Priority: low
  Drop profiles:
    Loss priority  Protocol  Index  Name
    High          non-TCP   1      <default-drop-profile>
    High          TCP      1      <default-drop-profile>

Physical interface: ge-0/0/0, Index: 129
Queues supported: 8, Queues in use: 4
  Scheduler map: <default>, Index: 2

Physical interface: ge-0/0/1, Index: 130
Queues supported: 8, Queues in use: 4
  Scheduler map: <default>, Index: 2

...          ...          ...

Fabric priority: low
  Scheduler: <default-fabric>, Index: 23
  Drop profiles:
    Loss priority  Protocol  Index  Name
    High          non-TCP   1      <default-drop-profile>
    High          TCP      1      <default-drop-profile>

Fabric priority: high
  Scheduler: <default-fabric>, Index: 23
  Drop profiles:
    Loss priority  Protocol  Index  Name
    High          non-TCP   1      <default-drop-profile>
    High          TCP      1      <default-drop-profile>

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