

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	<ul style="list-style-type: none">■ 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
  af11       001

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... ..

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
network-control	low	110

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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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