

Defining CoS Classifiers (J-Web Procedure)

Classifiers examine the CoS value or alias of an incoming packet and assign the packet a level of service by setting its forwarding class and loss priority. To define classifiers, select **Configure > Class of Service > Classifiers** in the J-Web interface. Table 1 describes the related fields.

Table 1: Classifiers Configuration Page Summary

Field	Function	Your Action
Classifier Summary		
DSCP	Defines classifiers for DSCP code point values.	Click DSCP .
IPv4 Precedence	Defines classifiers for IPv4 precedence values.	Click IPv4 Precedence .
Classifier Name	Displays the names of classifiers. Allows you to edit a specific classifier.	To edit a classifier, click its name.
Incoming Code Point (Alias)	Displays CoS values and aliases to which forwarding class and loss priority are mapped.	None.
Classify to Forwarding Class	Displays forwarding classes that are assigned to specific CoS values and aliases of a classifier.	None.
Classify to Loss Priority	Displays loss priorities that are assigned to specific CoS values and aliases of a classifier.	None.
Add	Opens a page that allows you to define classifiers.	To add a classifier, click Add .
Delete	Deletes a specified classifier.	To delete a classifier, locate the classifier, select the check box next to it, and click Delete .
Add a Classifier/Edit Classifier		
Classifier Name	Specifies the name for a classifier.	To name a classifier, type the name—for example, ba-classifier .
Classifier Code Point Mapping	Sets the forwarding classes and the packet loss priorities (PLPs) for specific CoS values and aliases.	None.
Incoming Code Point	Specifies the CoS value in bits and the alias of a classifier for incoming packets.	To specify a CoS value and alias, either select preconfigured ones from the list or type new ones. For information about forwarding classes and aliases assigned to well-known DSCPs, see the <i>JUNOS Class of Service Configuration Guide</i> .

Table 1: Classifiers Configuration Page Summary *(continued)*

Field	Function	Your Action
Forwarding Class	Assigns the forwarding class to the specified CoS value and alias.	<p>To assign a forwarding class, select either one of the following default forwarding classes or one that you have configured:</p> <ul style="list-style-type: none"> ■ expedited-forwarding—Provides low loss, low delay, low jitter, assured bandwidth, and end-to-end service. Packets can be forwarded out of sequence or dropped. ■ best-effort—Provides no special CoS handling of packets. Typically, RED drop profile is aggressive and no loss priority is defined. ■ assured-forwarding—Provides high assurance for packets within the specified service profile. Excess packets are dropped. ■ network-control—Packets can be delayed but not dropped.
Loss Priority	Assigns a loss priority to the specified CoS value and alias.	<p>To assign a loss priority, select one:</p> <ul style="list-style-type: none"> ■ high—Packet has a high loss priority. ■ low—Packet has a low loss priority.
Add	<p>Assigns a forwarding class and loss priority to the specified CoS value and alias.</p> <p>A classifier examines the incoming packet's header for the specified CoS value and alias and assigns it the forwarding class and loss priority that you have defined.</p>	To assign a forwarding class and loss priority to a specific CoS value and alias, click Add .
Delete	Removes the forwarding class and loss priority assignment from the classifier.	To remove the forwarding class and loss priority assignment, select it and click Delete .
Related Topics <ul style="list-style-type: none"> ■ Defining CoS Classifiers (CLI Procedure) ■ Example: Configuring CoS on EX-series Switches ■ Monitoring CoS Classifiers ■ Understanding CoS Classifiers 		