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I Commands

This chapter describes the Cisco NX-OS quality of service (QoS) commands that begin with I.

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ip dscp (ERSPAN)

To configure the differentiated services code point (DSCP) value of the packets in the Encapsulated Remote Switched Port Analyzer (ERSPAN) traffic, use the **ip dscp** command. To revert to the default value, use the **no** form of this command.

ip dscp *dscp_value*

no ip dscp *dscp_value*

Syntax Description	<i>dscp_value</i>	DSCP value of the packets in the ERSPAN traffic. The range is from 0 to 63.
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Command Default	0
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Command Modes	ERSPAN session configuration mode
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Command History	Release	Modification
	5.2(1)N1(1)	Added support for IPv6.
	5.1(3)N1(1)	This command was introduced.

Usage Guidelines	This command does not require a license.
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Examples	This example shows how to configure the DSCP value of the packets in the ESRSPAN traffic:
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```
switch# configure terminal
switch(config)# monitor session 1 type erspan-source
switch(config-erspan-src)# ip dscp 10
switch(config-erspan-src)#
```

Related Commands	Command	Description
	ip prec	Configures the IP precedence value of the ERSPAN traffic.
	ip ttl	Configures the IP time-to-live (TTL) value of the ERSPAN traffic.
	monitor-session	Enters the monitor configuration mode for configuring an ERSPAN session for analyzing traffic between ports.

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ip prec (ERSPAN)

To configure the IP precedence value of the packets in the Encapsulated Remote Switched Port Analyzer (ERSPAN) traffic, use the **ip prec** command.

ip prec *prec_value*

Syntax Description	<i>prec_value</i>	IP precedence value of the packets in the ERSPAN traffic. The range is from 0 to 7.
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Command Default	0
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Command Modes	ERSPAN session configuration mode
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Command History	Release	Modification
	5.2(1)N1(1)	Added support for IPv6.
	5.1(3)N1(1)	This command was introduced.

Usage Guidelines	This command does not require a license.
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Examples	This example shows how to configure the IP precedence value of the packets in the ESRSPAN traffic:
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```
switch# configure terminal
switch(config)# monitor session 1 type erspan-source
switch(config-erspan-src)# ip prec 3
switch(config-erspan-src)#
```

Related Commands	Command	Description
	ip dscp	Configures the IP time-to-live (TTL) value of the ERSPAN traffic.
	ip ttl	Configures the differentiated services code point (DSCP) value of the ERSPAN traffic.
	monitor-session	Enters the monitor configuration mode for configuring an ERSPAN session for analyzing traffic between ports.

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ip ttl (ERSPAN)

To configure the IP time-to-live (TTL) value of the Encapsulated Remote Switched Port Analyzer (ERSPAN) traffic, use the **ip ttl** command. To revert to the default configuration, use the **no** form of this command.

ip ttl *ttl_value*

no ip ttl *ttl_value*

Syntax Description	<i>ttl_value</i> IP TTL value of the ERSPAN traffic. The range is from 1 to 255.	
Command Default	255	
Command Modes	ERSPAN session configuration mode	
Command History	Release	Modification
	5.1(3)N1(1)	This command was introduced.
Usage Guidelines	This command does not require a license.	
Examples	This example shows how to configure the IP TTL value of the ESRSPAN source:	
	<pre>switch# configure terminal switch(config)# monitor session 1 type erspan-source switch(config-erspan-src)# ip ttl 30 switch(config-erspan-src)#</pre>	
Related Commands	This example shows how to remove the IP TTL value from the ESRSPAN source:	
	<pre>switch# configure terminal switch(config)# monitor session 1 type erspan-source switch(config-erspan-src)# no ip ttl 30 switch(config-erspan-src)#</pre>	
Related Commands	Command	Description
	ip dscp	Configures the DSCP value of the packets in the ERSPAN traffic.
	monitor-session	Enters the monitor configuration mode for configuring an ERSPAN session for analyzing traffic between ports.