



I Commands

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

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
	6.0(2)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 ERSRSPAN 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.

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.
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Command Default	255
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Command Modes	ERSPAN session configuration mode
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Command History	Release	Modification
	6.0(2)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 TTL value of the ESRSPAN source:
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```
switch# configure terminal
switch(config)# monitor session 1 type erspan-source
switch(config-erspan-src)# ip ttl 30
switch(config-erspan-src)#
```

This example shows how to remove the IP TTL value from the ESRSPAN source:

```
switch# configure terminal
switch(config)# monitor session 1 type erspan-source
switch(config-erspan-src)# no ip ttl 30
switch(config-erspan-src)#
```

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.	

