



## D Commands

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This chapter describes the system management commands that begin with D.

# diagnostic bootup level

To configure the bootup diagnostic level to trigger diagnostics when the device boots, use the **diagnostic bootup level** command. To remove bootup diagnostic level configuration, use the **no** form of this command.

**diagnostic bootup level {bypass | complete}**

**no diagnostic bootup level {bypass | complete}**

## Syntax Description

<b>bypass</b>	Specifies that all bootup tests are skipped.
<b>complete</b>	Specifies that all bootup diagnostics are performed. This is the default value.

## Command Default

Complete

## Command Modes

Global configuration mode

## Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

## Examples

This example shows how to configure the bootup diagnostics level to trigger the complete diagnostics:

```
switch(config)# diagnostic bootup level complete
switch(config)#
```

This example shows how to remove the bootup diagnostics level configuration:

```
switch(config)# no diagnostic bootup level complete
switch(config)#
```

## Related Commands

Command	Description
<b>show diagnostic bootup level</b>	Displays the bootup diagnostics level.
<b>show diagnostic bootup result</b>	Displays the results of the diagnostics tests.

# description (SPAN, ERSPAN)

To add a description to an Ethernet Switched Port Analyzer (SPAN) or an Encapsulated Remote Switched Port Analyzer (ERSPAN) session configuration, use the **description** command. To remove the description, use the **no** form of this command.

**description** *description*

**no description**

## Syntax Description

<i>description</i>	String description of the SPAN session configuration. This string is limited to 80 characters.
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## Command Default

No description is added.

## Command Modes

SPAN session configuration mode  
ERSPAN session configuration mode

## Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

## Usage Guidelines

Use the **description** command to provide a reminder in the configuration to describe what certain SPAN sessions are used for. The description appears in the output of the following commands such as **show monitor session** and **show running-config monitor**.

## Examples

This example shows how to add a description for a SPAN session:

```
switch# configure terminal
switch(config)# monitor session 9 type local
switch(config-monitor)# description A Local SPAN session
switch(config-monitor)#
```

This example shows how to add a description for an ERSPAN session:

```
switch# configure terminal
switch(config)# monitor session 9 type erspan-source
switch(config-erspan-src)# description An ERSPAN session
switch(config-erspan-src)#
```

## Related Commands

Command	Description
<b>destination (SPAN session)</b>	Configures a destination SPAN port.
<b>monitor session</b>	Creates a new SPAN session configuration.

<b>Command</b>	<b>Description</b>
<b>show monitor session</b>	Displays SPAN session configuration information.
<b>show running-config monitor</b>	Displays the running configuration information of a SPAN session.
<b>source (SPAN session)</b>	Configures a source SPAN port.

## destination (ERSPAN)

To configure an Encapsulated Remote Switched Port Analyzer (ERSPAN) destination IP address, use the **destination** command. To remove the destination ERSPAN IP address, use the **no** form of this command.

```
destination ip ip_address
```

```
no destination ip ip_address
```

Syntax Description	ip	Configures the remote IP address.
	<i>ip_address</i>	IPv4 address in the format <i>A.B.C.D</i> .

Command Default	None
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Command Modes	ERSPAN session configuration
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Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Usage Guidelines	You can configure only one destination IP address for an ERSPAN source session. This command does not require a license.
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Examples	This example shows how to configure an ERSPAN destination IP address:
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```
switch# configure terminal
switch(config)# monitor session 1 type erspan-source
switch(config-erspan-src)# destination ip 192.0.3.1
switch(config-erspan-src)#
```

Related Commands	Command	Description
	<b>monitor session</b>	Creates a new SPAN session configuration.
	<b>show monitor session</b>	Displays SPAN session configuration information.
	<b>show running-config monitor</b>	Displays the running configuration information of a SPAN session.
	<b>source (SPAN session)</b>	Configures a source SPAN port.
	<b>source (ERSPAN session)</b>	Configures a source VLAN or VSAN interface.

## destination (SPAN session)

To configure a Switched Port Analyzer (SPAN) destination port, use the **destination** command. To remove the destination SPAN port, use the **no** form of this command.

**destination interface** {**ethernet** *slot*[/*QSFP-module*]/*port*}

**no source interface** {**ethernet** *slot*[/*QSFP-module*]/*port*}

<b>Syntax Description</b>	<b>interface</b>	Specifies the interface type to use as the destination SPAN port.
	<b>ethernet</b> <i>slot</i> [/ <i>QSFP-module</i> ]/ <i>port</i>	Specifies the Ethernet interface to use as the destination SPAN port. The <i>slot</i> number is from 1 to 255. The <i>QSFP-module</i> number is from 1 to 199. The <i>port</i> number is from 1 to 128.

**Command Default** None

**Command Modes** SPAN session configuration mode

<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	6.0(2)N1(1)	This command was introduced.

**Usage Guidelines** Each local SPAN session destination session must have a destination port (also called a *monitoring port*) that receives a copy of traffic from the source port.

The destination port can be any Ethernet physical port and must reside on the same switch as the source port (for a local SPAN session). The destination port cannot be a source port, a port channel, or SAN port channel group.

A destination port receives copies of sent and received traffic for all monitored source ports. If a destination port is oversubscribed, it can become congested. This congestion can affect traffic forwarding on one or more of the source ports.

**Examples** This example shows how to configure an Ethernet interface SPAN destination port and activate the SPAN session:

```
switch# configure terminal
switch(config)# interface ethernet 1/5
switch(config-if)# switchport monitor
switch(config-if)# exit
switch(config)# monitor session 9 type local
switch(config-monitor)# description A Local SPAN session
switch(config-monitor)# source interface ethernet 1/1
switch(config-monitor)# destination interface ethernet 1/5
switch(config-monitor)# no shutdown
switch(config-monitor)#
```

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>source (SPAN session)</b>	Configures a source SPAN port.
<b>monitor session</b>	Creates a new SPAN session configuration.
<b>show monitor session</b>	Displays SPAN session configuration information.
<b>show running-config monitor</b>	Displays the running configuration information of a SPAN session.

■ destination (SPAN session)