# Configuring Internal Power Supplies

# Information About Internal Power Supplies

See the switch installation guide for information about the power supplies.

# How to Configure Internal Power Supplies

## Configuring an Internal Power Supply

You can use the **power supply** EXEC command to configure and manage the internal power supply on the switch. The switch does not support the **no power supply** EXEC command.

**SUMMARY STEPS**

1. **power supply** *switch_number* **slot**{**A** | **B**} { **off** | **on** }
2. **show environment power**

**DETAILED STEPS**

| | Command or Action | Purpose |
|---|---|---|
| Step 1 | **power supply** *switch_number* **slot**{**A** | **B**} { **off** | **on** }<br><br>**Example:**<br><br>Switch# **power supply 1 slot A on** | Sets the specified power supply to **off** or **on** by using one of these keywords:<br><br>• **A** —Selects the power supply in slot A.<br><br>• **B** —Selects power supply in slot B.<br><br>   **Note**   Power supply slot B is the closest to the outer edge of the switch.<br><br>• **off** —Set the power supply off.<br><br>• **on** —Set the power supply on.<br><br>By default, the switch power supply is **on**. |
| Step 2 | **show environment power**<br><br>**Example:**<br><br>Switch# **show environment power** | Verifies your settings. |

# Monitoring Internal Power Supplies

*Table 1: Show Commands for Power Supplies*

| Command | Purpose |
|---|---|
| **show environment power** [ **all** | **switch** *switch_number* ] | (Optional) Displays the status of the internal power supplies for each switch in the stack or for the specified switch. The range is 1 to 9, depending on the switch member numbers in the stack. |

# Configuration Examples for Internal Power Supplies

This example shows how to set the power supply in slot A to off:

```
Switch# power supply 1 slot A off
Disabling Power supply A may result in a power loss to PoE devices and/or switches ...
Continue? (yes/[no]): yes
Switch#
Jun 10 04:52:54.389: %PLATFORM_ENV-6-FRU_PS_OIR: FRU Power Supply 1 powered off
Jun 10 04:52:56.717: %PLATFORM_ENV-1-FAN_NOT_PRESENT: Fan is not present
```

```
Switch#
```

This example shows how to set the power supply in slot A to on:

```
Switch# power supply 1 slot A on
Jun 10 04:54:39.600: %PLATFORM_ENV-6-FRU_PS_OIR: FRU Power Supply 1 powered on
```

This example shows the output of the **show env power** command:

```
Switch# show env power

SW  PID                Serial#     Status          Sys Pwr  PoE Pwr  Watts
--- ------------------ ----------  --------------- -------  -------  -----
1A  PWR-C1-715WAC      LIT161010UE OK              Good     Good     715
1B  Not Present

Switch#
```

*Table 2: show env power Status Descriptions*

| Field | Description |
|---|---|
| OK | The power supply is present and power is good. |
| Not Present | No power supply is installed. |
| No Input Power | The power supply is present but there is no input power. |
| Disabled | The power supply and input power are present, but power supply is switched off by CLI. |
| Not Responding | The power supply is not recognizable or is faulty. |
| Failure-Fan | The power supply fan is faulty. |

# Additional References

### Error Message Decoder

| Description | Link |
|---|---|
| To help you research and resolve system error messages in this release, use the Error Message Decoder tool. | https://www.cisco.com/cgi-bin/Support/Errordecoder/index.cgi |

**MIBs**

| MIB | MIBs Link |
|---|---|
| All supported MIBs for this release. | To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs |

**Technical Assistance**

| Description | Link |
|---|---|
| The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies. To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password. | http://www.cisco.com/support |

# Feature History and Information for Internal Power Supplies

| Release | Modification |
|---|---|
| Cisco IOS XE 3.2SE | This feature was introduced. |
| Cisco IOS XE 3.3SE | The **slot** keyword replaced the **frufep** keyword. |