



Power Supply Configuration

This chapter provides the various commands related to the Power Supply features. It is organized as follows:

- Overview, page 12-1
- Power Supply Configuration, page 12-1
- Power Supply Maintenance, page 12-2

Overview

The Cisco 8110 can be supplied with 3 removable power supplies. When two power supplies are installed, both are active simultaneously, and each serves as a backup for the other.

Types of Power Supplies available are:

- 110 VAC
- 220 VAC
- 48V DC

The Cisco 8110 monitors the state of the power supplies and generates an alarm if a power supply is missing or failing. This is shown in Table 12-1.

Table 12-1 PS Operational States

Admin / Exists	Active		OOS	
	Good	Bad	Good	Bad
Exist	Active	Fault	Active	Fault
Missing	Fault		OOS	

Power Supply Configuration

The Power Supply submenu can be accessed from the **Configuration** menu

- Step 1** When you log into the Cisco 8110 and type ? at the prompt, the Root Menu is displayed.

- Step 2** Type any portion of the word **configuration** and press RETURN. Then type **?** and press RETURN. The Configuration Menu is displayed.
- Step 3** Select **power** to display the screen shown in Figure 12-1.

Figure 12-1 Power supply submenu

```
Cisco 8110::Cisco 8110:configuration:power$ ?
show          admin          up          top
exit         ?
```

SHOW This command displays the PS configuration. At the prompt, type the command and press RETURN. The type of information shown in Figure 12-2 or Figure 12-3 is displayed:

Figure 12-2 Fixed Power supply configuration display

```
Cisco 8110::Cisco 8110-aps:configuration:power$ show
Power Supply Configuration
-----
Non-Removable Power Supply
```

Figure 12-3 Removable Power Supply Configuration Display

```
Cisco 8110::Cisco 8110::configuration:power$ show
Power Supply Configuration
-----
Supply  AdminState  OperState  Type
  1      Active      Active     AC
  2      OOS         Active     AC
```

ADMIN This command is used to put PS either in or out of service. At the prompt, type the command and press RETURN. The following prompt is displayed:

```
Usage: admin (1|2) (active|oos)
```

1|2 selects power supply

active states that PS is expected in that slot

oos no PS is expected in that slot

Power Supply Maintenance

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- Step 1** When you log into the Cisco 8110 and type **?** at the prompt, the Root menus displayed.
- Step 2** Type any portion of the word **maintenance** and press RETURN. Then type **?** and press RETURN. The Maintenance Menu is displayed.
- Step 3** Type any portion of the word **alarms** and press RETURN to display the screen as shown in the Alarms Maintenance submenu.
- Step 4** Type **power** to display the Alarms Maintenance Power display as shown in Figure 12-4 or Figure 12-5. In the case of a fixed power supply, no special conditioning is required and Figure 12-4 is displayed.

Figure 12-4 Fixed power supply display

```
Cisco 8110::Cisco 8110:maintenance:alarms$ power
Power Supply Alarms
-----
Non-Removable Power Supply
```

If removable power supplies have been installed, the various installation parameters have to be entered so that the modules can function. Figure 12-5 indicates the state of the relevant supplies and whether they are in normal or alarm condition.

Figure 12-5 Removable power supplies status

```
Cisco 8110::Cisco 8110:maintenance:alarms$ power
Power Supply Alarms
-----
Supply  Type  OperState  Alarms
  1      AC      Active
  2      AC      Active
```

