Configuring the Switch

This appendix contains these topics:

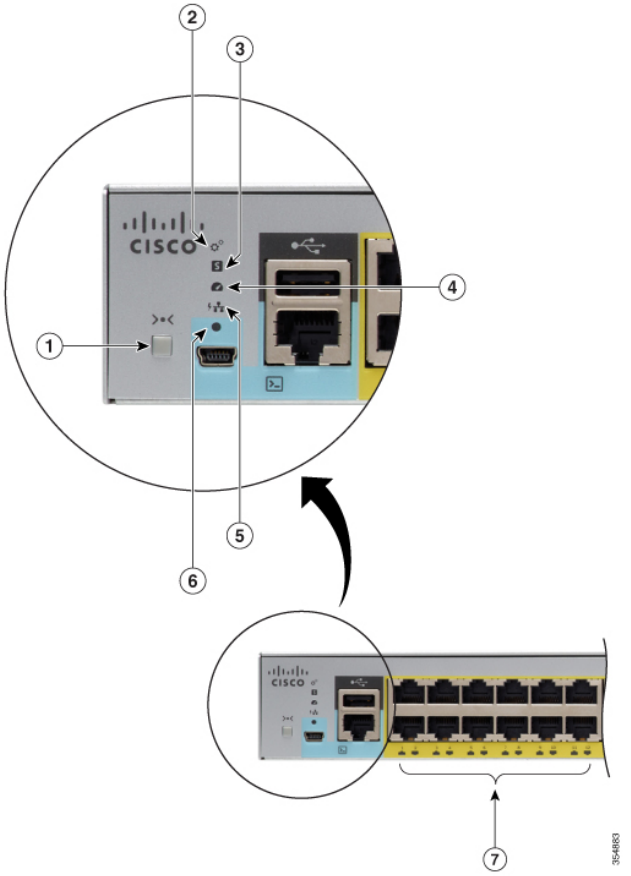
Configuring the Switch Using the Configuration Setup Wizard

Quick Setup: Accessing the Configuration Setup Wizard

When you first set up the switch, use the Configuration Setup wizard to enter the initial IP information. This enables the switch to connect to local routers and the Internet. You can then access the switch through the IP address for further configuration.

Note The switch also supports Bluetooth which can be enabled via WebUI or using the CLI command **staging config bluetooth on**. This command will enable Bluetooth and a default DHCP server pool for the Bluetooth interface. Connect your PC to the switch using Bluetooth. In your web browser, enter the IP address 172.16.0.1. The default Bluetooth pin is '9999'. Enter the following default credentials: username: smartm, password: c2960lsm and press Enter.

Configuring the Switch



1		Mode button
2		SYST LED (system)
3		STAT LED (status)
4		SPEED LED
5		PoE LED [1]
6		Console LED
7		Port LEDs

[1] Only on switch models that support PoE.

Before you Begin: If your PC has a static IP address, change your PC settings to temporarily use DHCP.

Step 1 Verify that no devices are connected to the switch. DHCP server is enabled by default.

Step 2 Insert the power cord into an AC power source outlet and turn on the power at the source.

Step 3 Connect an Ethernet cable to a 10/100/1000 Ethernet port on the switch front panel and to the Ethernet port on the PC.

Step 4 Wait until the switch assigns an IP address to the PC.

Step 5 To log on to the device using an Internet browser on your PC, type the IP address 192.168.1.1 in the address bar of your Internet browser and press Enter.

Step 6 Type the following default credentials: username: smartm, password: c2960lsm and press **Enter**. Configure your device using the Cisco Configuration Professional.

Note
- The Cisco Catalyst 2960-L Smart Managed switches come with default configuration from the factory.
- When you 'write erase' and then 'reload' the switch, it comes up with the default configuration.
- When you connect a laptop to any of the downlink ports, you should be able to connect to the switch by using the default IP address in the browser.
- It is recommended that you create a new username and password after the first login and delete the default credentials.

Configuring the Switch Using the CLI

Accessing the CLI Through the Console Port

You can access the CLI on a configured or unconfigured switch by connecting the RJ-45 console port or USB console port of the switch to your PC or workstation and accessing the switch through a terminal emulation program.

Connecting the RJ-45 Console Port

SUMMARY STEPS

1. Connect the RJ-45-to-DB-9 adapter cable to the 9-pin serial port on the PC. Connect the other end of the cable to the switch console port.
2. Start the terminal-emulation program on the PC or the terminal. The program, frequently a PC application such as HyperTerminal or ProcommPlus, makes communication between the switch and your PC or terminal possible.
3. Configure the baud rate and character format of the PC or terminal to match the console port default characteristics:
4. Power on the switch as described in the switch getting started guide.
5. The PC or terminal displays the bootloader sequence. Press **Enter** to display the setup prompt.

DETAILED STEPS

Step 1 Connect the RJ-45-to-DB-9 adapter cable to the 9-pin serial port on the PC. Connect the other end of the cable to the switch console port.

Step 2 Start the terminal-emulation program on the PC or the terminal. The program, frequently a PC application such as HyperTerminal or ProcommPlus, makes communication between the switch and your PC or terminal possible.

Step 3 Configure the baud rate and character format of the PC or terminal to match the console port default characteristics:

- 9600 baud
- 8 data bits
- 1 stop bit
- No parity
- None (flow control)

Step 4 Power on the switch as described in the switch getting started guide.

Step 5 The PC or terminal displays the bootloader sequence. Press **Enter** to display the setup prompt.

Connecting the USB Console Port

SUMMARY STEPS

1. If you are connecting the switch USB console port to a Windows-based PC for the first time, install the USB driver. See Installing the Cisco Microsoft Windows USB Device Driver, on page 5.
2. Connect a USB cable to the PC USB port. Connect the other end of the cable to the switch mini-B (5-pin-connector) USB console port.
3. Start the terminal-emulation program on the PC or the terminal. The program, frequently a PC application such as HyperTerminal or ProcommPlus, makes communication between the switch and your PC or terminal possible.
4. Configure the baud rate and character format of the PC or terminal to match the console port default characteristics:
5. Power on the switch as described in the switch getting started guide.
6. The PC or terminal displays the bootloader sequence. Press **Enter** to display the setup prompt. Follow the steps in the Setup program.

DETAILED STEPS

Step 1 If you are connecting the switch USB console port to a Windows-based PC for the first time, install the USB driver. See Installing the Cisco Microsoft Windows USB Device Driver, on page 5.

Note USB Type A port on the switch provides file system support and is **NOT** a console port. See USB Type A Port section.

Step 2 Connect a USB cable to the PC USB port. Connect the other end of the cable to the switch mini-B (5-pin-connector) USB console port.

Step 3 Start the terminal-emulation program on the PC or the terminal. The program, frequently a PC application such as HyperTerminal or ProcommPlus, makes communication between the switch and your PC or terminal possible.

Step 4 Configure the baud rate and character format of the PC or terminal to match the console port default characteristics:

- 9600 baud
- 8 data bits
- 1 stop bit
- No parity
- None (flow control)

Step 5 Power on the switch as described in the switch getting started guide.

Step 6 The PC or terminal displays the bootloader sequence. Press **Enter** to display the setup prompt. Follow the steps in the Setup program.

Installing the Cisco Microsoft Windows USB Device Driver

A USB device driver must be installed the first time a Microsoft Windows-based PC is connected to the USB console port on the switch.

- Installing the Cisco Microsoft Windows XP USB Driver
- Installing the Cisco Microsoft Windows 2000 USB Driver
- Installing the Cisco Microsoft Windows Vista and Windows 7 USB Driver

Installing the Cisco Microsoft Windows XP USB Driver

SUMMARY STEPS

1. Obtain the Cisco USB console driver file from the Cisco.com web site and unzip it.
2. If using 32-bit Windows XP, double-click the setup.exe file in the Windows_32 folder. If using 64-bit Windows XP, double-click the setup(x64).exe file in the Windows_64 folder.
3. The Cisco Virtual Com InstallShield Wizard begins.
4. The Ready to Install the Program window appears. Click **Install**.
5. The InstallShield Wizard Completed window appears. Click **Finish**.
6. Connect the USB cable to the PC and the switch console port. The USB console port LED turns green, and the Found New Hardware Wizard appears. Follow the instructions to complete the driver installation.

DETAILED STEPS

Step 1 Obtain the Cisco USB console driver file from the Cisco.com web site and unzip it.

Note You can download the driver file from the Cisco.com site for downloading the switch software.

Step 2 If using 32-bit Windows XP, double-click the setup.exe file in the Windows_32 folder. If using 64-bit Windows XP, double-click the setup(x64).exe file in the Windows_64 folder.

Step 3 The Cisco Virtual Com InstallShield Wizard begins.

Step 4 The Ready to Install the Program window appears. Click **Install**.

Step 5 The InstallShield Wizard Completed window appears. Click **Finish**.

Step 6 Connect the USB cable to the PC and the switch console port. The USB console port LED turns green, and the Found New Hardware Wizard appears. Follow the instructions to complete the driver installation.

Installing the Cisco Microsoft Windows 2000 USB Driver

SUMMARY STEPS

1. Obtain the Cisco USB console driver file from the Cisco.com web site and unzip it.
2. Double-click the setup.exe file.
3. The Cisco Virtual Com InstallShield Wizard begins. Click **Next.**
4. The Ready to Install the Program window appears. Click **Install.**
5. The InstallShield Wizard Completed window appears. Click **Finish.**
6. Connect the USB cable to the PC and the switch console port. The USB console port LED turns green, and the Found New Hardware Wizard appears. Follow the instructions to complete the driver installation.

DETAILED STEPS

Step 1 Obtain the Cisco USB console driver file from the Cisco.com web site and unzip it.

Note You can download the driver file from the Cisco.com site for downloading the switch software.

Step 2 Double-click the setup.exe file.

Step 3 The Cisco Virtual Com InstallShield Wizard begins. Click **Next.**

Step 4 The Ready to Install the Program window appears. Click **Install.**

Step 5 The InstallShield Wizard Completed window appears. Click **Finish.**

Step 6 Connect the USB cable to the PC and the switch console port. The USB console port LED turns green, and the Found New Hardware Wizard appears. Follow the instructions to complete the driver installation.

Installing the Cisco Microsoft Windows Vista and Windows 7 USB Driver

SUMMARY STEPS

1. Obtain the Cisco USB console driver file from the Cisco.com web site and unzip it.
2. If using 32-bit Windows Vista or Windows 7, double-click the setup.exe file in the Windows_32 folder. If using 64-bit Windows Vista or Windows 7, double-click the setup(x64).exe file in the Windows_64 folder.
3. The Cisco Virtual Com InstallShield Wizard begins. Click **Next**.
4. The Ready to Install the Program window appears. Click **Install**.
5. The InstallShield Wizard Completed window appears. Click **Finish**.

6. Connect the USB cable to the PC and the switch console port. The USB console port LED turns green, and the Found New Hardware Wizard appears. Follow the instructions to complete the driver installation.

DETAILED STEPS

Step 1 Obtain the Cisco USB console driver file from the Cisco.com web site and unzip it.

Note You can download the driver file from the Cisco.com site for downloading the switch software.

Step 2 If using 32-bit Windows Vista or Windows 7, double-click the setup.exe file in the Windows_32 folder. If using 64-bit Windows Vista or Windows 7, double-click the setup(x64).exe file in the Windows_64 folder.

Step 3 The Cisco Virtual Com InstallShield Wizard begins. Click **Next**.

Step 4 The Ready to Install the Program window appears. Click **Install**.

Note If a User Account Control warning appears, click **Allow - I trust this program** to proceed.

Step 5 The InstallShield Wizard Completed window appears. Click **Finish**.

Step 6 Connect the USB cable to the PC and the switch console port. The USB console port LED turns green, and the Found New Hardware Wizard appears. Follow the instructions to complete the driver installation.

Uninstalling the Cisco Microsoft Windows USB Driver

Uninstalling the Cisco Microsoft Windows XP and 2000 USB Driver

Use the Windows Add or Remove Programs utility or the setup.exe file.

Using the Setup.exe Program

Before you begin

Disconnect the switch console terminal before uninstalling the driver.

SUMMARY STEPS

1. Run setup.exe for Windows 32-bit or setup(x64).exe for Windows-64bit. Click **Next.**
2. The InstallShield Wizard for Cisco Virtual Com appears. Click **Next.**
3. When the Program Maintenance window appears, select the Remove radio button. Click **Next.**
4. When the Remove the Program window appears, click **Remove.**
5. When the InstallShield Wizard Completed window appears, click **Finish.**

DETAILED STEPS

Step 1 Run setup.exe for Windows 32-bit or setup(x64).exe for Windows-64bit. Click **Next.**

Step 2 The InstallShield Wizard for Cisco Virtual Com appears. Click **Next.**

Step 3 When the Program Maintenance window appears, select the Remove radio button. Click **Next.**

Step 4 When the Remove the Program window appears, click **Remove.**

Step 5 When the InstallShield Wizard Completed window appears, click **Finish.**

Using the Add or Remove Programs Utility

Before you begin

Disconnect the switch console terminal before uninstalling the driver.

SUMMARY STEPS

1. Click **Start** > **Control Panel** > **Add or Remove Programs.**
2. Scroll to Cisco Virtual Com and click **Remove.**
3. When the Program Maintenance window appears, select the **Remove** radio button. Click **Next.**

DETAILED STEPS

Step 1 Click **Start** > **Control Panel** > **Add or Remove Programs.**

Step 2 Scroll to Cisco Virtual Com and click **Remove.**

Step 3 When the Program Maintenance window appears, select the **Remove** radio button. Click **Next.**

Uninstalling the Cisco Microsoft Windows Vista and Windows 7 USB Driver

Before you begin

Disconnect the switch console terminal before uninstalling the driver.

SUMMARY STEPS

1. Run setup.exe for Windows 32-bit or setup(x64).exe for Windows-64bit. Click **Next.**
2. The InstallShield Wizard for Cisco Virtual Com appears. Click **Next.**
3. When the Program Maintenance window appears, select the Remove radio button. Click **Next.**
4. When the Remove the Program window appears, click **Remove.**
5. When the InstallShield Wizard Completed window appears, click **Finish.**

DETAILED STEPS

Step 1 Run setup.exe for Windows 32-bit or setup(x64).exe for Windows-64bit. Click **Next.**

Step 2 The InstallShield Wizard for Cisco Virtual Com appears. Click **Next.**

Step 3 When the Program Maintenance window appears, select the Remove radio button. Click **Next.**

Step 4 When the Remove the Program window appears, click **Remove.**

Note If a User Account Control warning appears, click **Allow - I trust this program to proceed**.

Step 5 When the InstallShield Wizard Completed window appears, click **Finish.**

Configuring the Switch