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Cisco Catalyst 2960-L Series

Easy Setup Guide



You can easily set up your switch in this step-by-step guide.

Connecting PC to Switch
 Configuring Switch



Connecting PC to Switch

1-1 Before You Begin

Before you begin the installation, make sure that you have the following equipment:

• Catalyst 2960-L (the switch)

• Ethernet Cable

AC Power CordPC

Make sure that nothing is connected to the switch and your PC settings are configured to use DHCP.





2 Confirm that the SYST LED and STAT LED are solid green.

After the switch powers on, it begins the power-on self-test (POST). During POST, the each LED blinks. When POST is completed, the SYST LED and STAT LED turn solid green.



- 3 Press and hold the Mode button.
- 4 Confirm that all the LEDs turn green.

Press the Mode button when the SYST and STAT LED turn green, hold the Mode button until all the LEDs next to the Mode button turn green.



5 Connect the Ethernet cable to the Ethernet port of the switch, and the other end of the cable to the Ethernet port on your PC.

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You can confirm the connection by the "ping 10.0.0.1" command from your PC to the switch.

Wait until the port LEDs on the switch and your PC are green or blinking green. Green LEDs indicate a successful connection.

🛕 Caution

At step 2, if the SYST LED does not turn solid green, or turns amber, the switch failed the POST, reconnect the AC power cord to the switch AC power connector and a grounded AC outlet. Nevertheless the SYST LED does not turn solid green, or turns amber, contact your Cisco representative or reseller.

At step **2**, if the LEDs next to the Mode button blink when you press the button, release it. Blinking LEDs indicate that the switch is already configured and cannot go into Express Setup mode.

At step **9**, the switch port to connect an Ethernet cable is the RJ-45 Ethernet port, not the RJ-45 console port. The RJ-45 Ethernet ports are numbered 1 to 8 on the 8-port model, 1 to 16 on the 16-port model, 1 to 24 on the 24-port model, 1 to 48 on the 48-port model.

2 Configuring Switch

2-1 Before You Begin

Before you begin the configuration, make sure that you have the following information.

- IP Address of the Default Gateway (Router)
- IP Address and Subnet Mask for the Switch

2-2 Logging in to Configuration Setup Wizard

When you first set up the switch, use the Configuration Setup Wizard to enter the initial IP information. Launch a Web browser on your PC, and log in to the Web UI.



1 Enter the IP address "10.0.0.1" into a web browser address bar, and press Enter key.

The authentication dialog box appears.

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The switch has a default IP address "10.0.0.1" and a secondary IP address "10.0.0.3".

A Caution

If the authentication dialog box does not appear, make sure that:

- All the LEDs next to the Mode button turn green.
- You connect a straight-through cable to an Ethernet port on the switch and the PC.
- Any pop-up blockers or proxy settings on your browser are disabled and that any wireless client is disabled on your PC or laptop.

• Your PC settings use DHCP. During the Express Setup mode, the switch acts as a DHCP server. If your PC has a static IP address, temporarily configure your PC settings to use DHCP.

iexplore.exe					
The server 10.0.0.1 is asking for your user name and password. The server reports that it is from level_15_access.					
Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.					
ユーザー名	2				
•••••					
🔲 資格情報を記憶する 👍					
ОК	Cancel				

Windows Security



- 2 Enter the default username "cisco" in the [Username].
- 3 Enter the default password "cisco" in the [Password].

4 Click [OK].

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The Configuration Setup Wizard window appears.

2-3 Basic Configuration

After logging in to the Web UI, the Configuration Setup Wizard automatically appears to help you perform initial configuration.

Configuration Setup Wizard	1 Click [GO TO WIZARD]
WELCOME I READ THE BELOW INSTRUCTIONS BEFORE YOU BECIN 4. The days wazard will provide an inflatface to configure basic satings like IP address, hostname, usemanne and passavord, data and voce VAANs, no.cose ports, delatin data advacea will and you avail and the vacant. 4. Passe note that once the configuration is complete, the wizard will no longer be accessed be. For accession give the WE UL, you will need to launch it using the configure of Paddress. Please ensure that the sate in which the switch IP address is configure is reachable. 4. Configured IP address. Please ensure that the sate in which the switch IP address is configured is reachable. 4. Configured IP address. Please ensure that the sate in which the switch IP address is configured is reachable. 4. Configured IP address. Please ensure that the sate of in which the switch IP address is configured is reachable. 4. Configured IP address. Please ensure that the sate of in which the switch IP address is configured is reachable. 4. Configured IP address. Please ensure that the sate of in which the switch IP address is configured is reachable. 4. Configured IP address. Please ensure that the sate of in which the switch IP address is configured is reachable. 4. Configured IP address. 4. Configured IP add	The BASIC CONFIGURATION window appears.



2 Enter a Hostname.

3 Enter a Username.

4 Enter a Password.

- 5 Enter a Enable Password.
- 6 Select the time and date.

7 Click [Interface Configuration].

The INTERFACE CONFIGURATION window appears.

2-4	Interface Configuration
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Configure the interface information. As a minimum information in order to connect the switch to the network, the [Data Vlan] field is required.

BASIC CONFIGURATION	N INTERFACE CONFIGURATION	LAYER 3 CONFIGURATIONS	ADVANCE	CONFIGURATION	SUMMARY
INTERFACE CONFIGU	IRATION	_		Ø HELI	P AND TIPS
Date Vian * Voice Vian Access Port Portfast Enable Uplink Port				Enter the VLAN or white opens, by default, are as Separating voice and d boundary preventin accessing The upink port hunchos to a witch or router. A b the VLANs that are as co- to a vitch or router. A b the VLANs that are as on a vitch or router. A b the VLANs that are as (802.1 Q lags, when o traffic is accurately dree	It to carry IP data traffic. A sociated with data VLAN v ata traffic creates a securit q data applications from y voice traffic. as as a funk port connectin unk port carries traffic for a sa a funk port connectin with unkye identifying tag onfigured), to ensure that ted to its designated VLAN



By default, the VLAN ID assigned to the management interface for your switch is 1.

cisco Config	guration Setup Wizard				
BASIC CONFIGURATION	INTERFACE CONFIGURATION	Cayer 3 Configurations	ADVANCE	CONFIGURATION	Jummary
INTERFACE CONFIGU Data Vian * Voice Vian Access Port Portiest Enable Uplink Port	3 2	2		HE Enter the VLAN on v The uplink port function to a wink to router. A the VLANs that are a trunk ports mark traff (802.10 taps, when traffic is accurately dir diffic i	LP AND TIPS which to onry IP voice traffic mass as thurk point connecting Vanuk point carries traffic for all consolie by a sequencil, dowine configured, to ensure that configured, to ensure that receive to its designated VLAN.
< Basic Configuration				L	ayer 3 Configurations >

2 Enter a Voice VLAN ID.

You can skip this step if your network does not use a VLAN for voice traffic.

🖉 мемо The S [Enable Password] controls access to the privileged EXEC mode in the CLI (Command Line Interface).

BASIC CONFIGURATI	ON INTERFACE CONFIGURATION	AYER 3 CONFIGURATIONS	ADVANCED CO	INFIGURATION	SUMMARY
INTERFACE CONFIG	SURATION			HELP A	ND TIPS
Data Vlan *	1		Ho	ed the CTRL key down t orts. An access port can	select multiple access ies traffic for the VLAN
Voice Vlan	2		00	configured on the interf nfigured for the access p	ace. If a VLAN is not ort, the interface carries
Access Port	Gigab#Ethernet0/1 ×		ть	traffic on the de e uplink port functions as	fault VLAN. a trunk port connecting
	GigabitEthernet0/2 ×		to a	switch or router. A trunk	port carries traffic for a
Portfast Enable	none Glassia Educate M	^	Tn	ink ports mark traffic wit	unique identifying tags
Uplink Port	GigabitEthemet0/2	3	() traf	502.1Q tags, when confi fic is accurately directed	gured), to ensure that to its designated VLAN
	GigabitEthernet0/3				
	GigabitEthernet0/4				
	GigabitEthemet0/5				
	GigabitEthernet0/6	~			
	Gigabit:themeti//				
	Gigaonzimemetiv/				

• Itilitii: Configuration Selup Wizard • Itilitii: • Itiliti: • Itilitii: • Itilitii: • Itilitii: • Itiliti: • Itili





You can skip this step if you want to use all the RJ-45 Ethernet ports as access ports.



You can skip this step.

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The PortFast immediately brings ports to the forwarding state from a blocking state, bypassing the listening and learning states.

5 Select Uplink Ports.

The uplink port functions as a trunk port connecting to a switch or router. You can skip this step.

6 Click [Layer 3 Configurations]

The LAYER 3 CONFIGURATION window appears.

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You can configure each ports in the Web UI or CLI (Command Line Interface) after completing the Configuration Setup Wizard.



Configure the Layer 3 information. As a minimum information in order to connect the switch to the network, the [Default Gateway] field is required.

BASIC CONFIGURATION	INTERFACE	CONFIGURATION	LAYER 3 CON	IGURATIONS	ADVANCE	D CONFIGURATION	SUMMARY
LAYER 3 CONFIGURAT	IONS					Ø HE	LP AND TIPS
Default Gateway * Default Route	10.10.10.1			-1		Enter the IP addres default gateway allow your network to comm	is of the default gateway. A ws endpoints and devices o nunicate with endpoints oth retworks.
IP Address Assignment	Interface	Existing IP	New IP	Subnet			
	vian1	10.0.0.1					
	Data Vlan 1						
	Voice Vlan 2						

 Enter the IP address of the Default Gateway.



2 Enter the IP address and subnet mask for the switch in the [New IP] and [Subnet] of [VlanX] row.

You can configure only one L3 interface on the switch.

3 Click [Advanced Configuration].

The ADVANCED CONFIGURATION window appears.

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The step **2** is not required, but recommended. By assigning an IP address to the switch here, you can easily access to the Web UI by entering the IP address into a web browser address bar, after completing the Configuration Setup Wizard.



Advanced Configuration

Configure the advanced information.

	0	0	•	0	
BASIC CONFIGURATION	INTERFACE CONFIGURATION	LAYER 3 CONFIGURATIONS	ADVANCE		SUMMARY
VANCED CONFIGURAT	лон			O HELP	AND TIPS
nable Telnet				Select this to enable a Telnet. Configure a us authenticate user a	ccess to the device using emame and password to iccess to the device.
					2
					- Y

1 Click [Enable Telnet].

2 Click [Summary].

The SUMMARY window appears.

2-7 Confirming Settings

Review the settings that you configured, save and enable them on the switch.

o ——	0	0	0 0	—
BASIC CONFIGURATION	INTERFACE CONFIGURATION	LAYER 3 CONFIGURATIONS	ADVANCED CONFIGURATION	SUMMARY
This screen provides the sum revisit and edit. Once you click	many of all the steps configured as part of o submit, the wizard will no longer be access submit in wh	lay0 configuration in this wizard. Pleas ible. For accessing the Web UI, you wi ich the switch IP address is configured	e click Submit to configure the device or click Il need to launch it using the configured IP ad is reachable.	on any of the links above to dress. Please ensure that the
Basic Configuration				
Interface Configuratio	n			
Layer 3 Configuration	s			1
Advanced Configurat	ion			T
Advantation Conference				

1 Click [Submit].

The Redirecting pop-up window appears. Connect the switch to your network.

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The switch has a new IP address after configuration (the IP address of the step 2-5 •). Your PC still has an IP address which was assigned by the switch during the Express Setup mode and needs to have an appropriate IP address to reach the new IP address of the switch. To do so, simply restart your PC.

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If you want to reconfigure the siwtch, you must return the switch to the factory default settings. You can reset the switch in the CLI (Command Line Interface). In order to access to the CLI, the following environments are required.

• The terminal-emulation program such as Tera Term, PuTTY, Windows Command Prompt.

 \cdot Connecting the switch and PC directly by the console cable or remotely through network.

The example below is the commands to reset in case of using Windows Command Prompt to connect to the switch with Telnet. Bold text indicates commands entered.

C:\Windows\system32>telnet 10.10.10.2 *Enter the IP address of the step 2-5 2 Username: cisco *Enter the username of the step 2-3 3 Password: cisco *Enter the password of the step 2-3 3 cisco#erase startup-config Erasing the nvram filesystem will remove all configuration files! Continue? [confirm] [OK] Erase of nvram: complete

The example below is the commands to reset in case of connecting to the switch by the console cable and using Tera Term. Bold text indicates commands entered.

cisco>enable

Password: **cisco1234** *Enter the enable password of the step 2-3 **s** cisco#**erase startup-config** Erasing the nvram filesystem will remove all configuration files! Continue? [confirm] [OK] Erase of nvram: complete

When the "Erase of nvram: complete" message is shown, reboot the switch by entering the "reload" command or reconnecting the AC power cord.

Appendix Transition Guide

The Cisco Catalyst 2960-L Series Switches are ideal for the replacement of the existing Cisco Catalyst Switches, especially Cisco Catalyst 2960-C/SF/S/Plus Series LAN Lite models. You can upgrade these Fast Ethernet switches to Gigabit Ethernet switches without impairing their functions.

Legacy Models			Current Models			
Catalyst 2960-C	Catalyst 2960-SF	Catalyst 2960-S	Catalyst 2960-Plus	Catalyst 2960-X	Catalyst 2960-L	
WS-C2960C-8TC-S	-	-	-	-	WS-C2960L-8TS-LL	
-	-	-	-	-	WS-C2960L-8PS-LL	
-	-	-	-	-	WS-C2960L-16TS-LL	
-	-	-	-	-	WS-C2960L-16PS-LL	
-	WS-C2960S-F24TS-S	WS-C2960S-24TS-S	WS-C2960+24TC-S	WS-C2960X-24TS-LL	WS-C2960L-24TS-AP	
-	-	-	WS-C2960+24LC-S WS-C2960+24PC-S	-	WS-C2960L-24PS-AP	
-	WS-C2960S-F48TS-S	WS-C2960S-48TS-S	WS-C2960+48TC-S	WS-C2960X-48TS-LL	WS-C2960L-48TS-AP	
-	-	-	WS-C2960+48PST-S	-	WS-C2960L-48PS-AP	

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