



# Move a LAN User Between Groups

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## Move a LAN User Between Groups

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### Introduction

This document explains how to use Cisco Network Assistant (CNA) to move a local-area network (LAN) user from one group or virtual LAN (VLAN) to another VLAN. This procedure applies to 2900XL, 2940, 2950, 2970, 3500XL, 3550, 3560, and 3750 Catalyst switches.

Cisco Catalyst switches can segment user groups into logically defined VLANs. The SMB documentation supports several specific VLAN configurations, each with a different level of security. Refer to the [Switch Support Page](#) for additional information.

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### Requirements

To perform the steps described in this document, you will need these items:

- A switch with Cisco IOS® Software Release 12.0 - 12.2 that is installed, configured, and powered on

**Note:** If you have not configured the switch, refer to [Configure a Catalyst Switch with Cisco Network Assistant](#).

- A PC with CNA installed on it

**Note:** If your PC does not have CNA installed, refer to [Download and Install Cisco Network Assistant](#).

- A [straight-through Ethernet cable](#) to connect your PC to the switch
- A completed Switch Port Assignments worksheet, as instructed in the [Site Survey](#)

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### Connect to the Switch

Follow these steps to connect your PC to the switch:

- [Change the IP address on the PC](#)

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- [Connect the PC to the switch](#)

### Change the IP Address on the PC

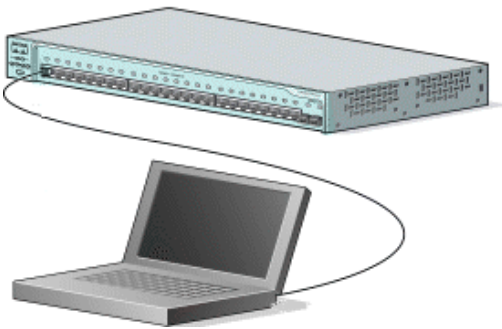
Your PC must have a compatible IP address in order to communicate with the switch. Before you change your TCP/IP settings, make note of your current settings.

To configure the IP address on your PC, go to the **Start > Settings > Control Panel > Network and Dialup Connections**. Right-click on your network connection icon and choose **Properties**. Select the **Internet Protocol (TCP/IP)** and click **Properties**. Enter an IP address and subnet mask that are on the same subnet as the switch. For example, if the switch's IP address is 192.168.10.2, you can give your PC an IP address of 192.168.10.50 and a subnet mask of 255.255.255.0. For more detailed instructions, refer to [Configure an IP Address on Your PC](#).

### Connect the PC to the Switch

Follow these steps to connect your PC to the switch with the straight-through Ethernet cable:

1. Connect one end of a straight-through Ethernet cable to Ethernet port 1 on the front panel of the switch.
2. Connect the other end of the Ethernet cable to the Ethernet port on your PC.



3. Verify that the port status LEDs turn green on both connected Ethernet ports.

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### Move LAN Users

To move users from one VLAN to another VLAN, you must reconfigure the ports for those users. Refer to the Switch Port Assignments worksheet to learn the current location of the user you want to move. Record the new port location for the user on the worksheet.

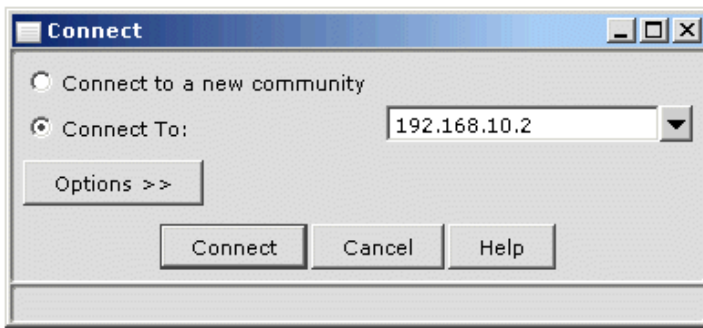
Follow these steps to configure VLANs on the switch with CNA:

- [Connect to the Switch with CNA](#)
- [Modify Port Configuration](#)
- [Save Your Configuration](#)

### Connect to the Switch with CNA

Follow these steps to log in to the switch with CNA:

1. To launch CNA, go to **Start > Programs > Cisco Network Assistant > Cisco Network Assistant**.
2. When the Connect window appears, CNA will autodiscover the switch's IP address if the address has been used before. If not, enter the switch's IP address in the Device field, and then click **Connect**.



**Note:** If you are unable to connect to the switch with CNA, see [Troubleshoot the Procedure](#) for help.

3. When the Network Authentication window appears, log in to the switch with the admin user ID and password. Click **OK**.
4. When the Front Panel View window appears, minimize or close this window. If you do not want to see this window when you launch CNA, go to **Window > Preferences** and uncheck the **Show Front Panel View** check box on the General tab.
5. Click the **Expert** button on the far right of the toolbar to operate in Expert Mode.

### Modify Port Configuration

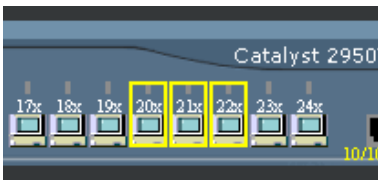
Follow these steps to modify the ports on the switch:

1. On the Features tab, click **Configure > Smartports**. A window displays with a graphic illustration of the switch.



2. Select the port or ports of the users you wish to move.

For example, to move users on ports 20 through 22, press **Ctrl**, and then click on those ports so they are highlighted. You can also drag the cursor over multiple ports to highlight them.

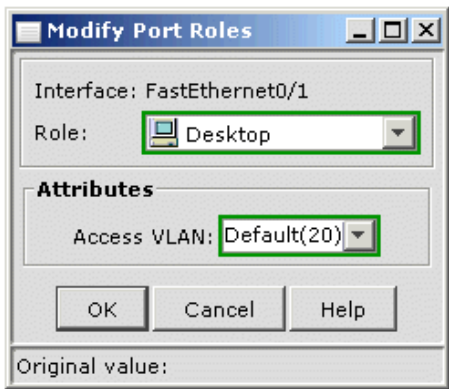


3. Click **Modify**.
4. In the Modify Port Roles window, configure the port role and attributes.

This example shows ports being changed to the default VLAN.

- Use the Role drop-down list to set the macro type to **Desktop**.
- Use the Access VLAN drop-down list to set the Access VLAN field to **Default (20)**.

Click **OK**.

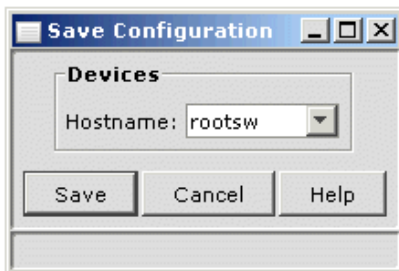


5. Click **Apply** in the Smartports Setup window. The selected ports are now configured for the default VLAN. To move additional users, repeat steps 2 through 4. If you are finished with the port assignments, click **OK**.

### Save Your Configuration

Follow these steps to save your configuration.

1. On the Features tab, click **Configure > Save Configuration**.
2. In the Save Configuration window, use the Hostname drop-down list to select the name of the switch, such as rootsw.



3. Click **Save**. You can now close the CNA application.
4. To disconnect your PC from the switch, remove the Ethernet cable from the ports on the PC and the switch. You may need to restore your TCP/IP settings to their original configuration. Refer to [Configure an IP Address on Your PC](#) for instructions.

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### Next Step

You have moved LAN users on your Catalyst switch from one VLAN to another VLAN. To perform other tasks on your switch, go to the [Switch Support Page](#).

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### Troubleshoot the Procedure

This section provides information about common problems that you may encounter. If this information does not solve your problem, contact the [SMB Technical Assistance Center \(SMB TAC\)](#) for assistance.

Problem	Cause(s) and Suggested Solution(s)

You connected a PC directly to the switch, but you are unable to establish a connection with CNA.

- Ensure that the power-on self test (POST) completed successfully. The SYST and STAT LEDs must be green.
- Verify the IP Address on your PC is 192.168.10.50.
- Ensure that you typed the correct IP address for the switch in the Connect window. Refer to field L8A in the LAN Addressing worksheet.
- Ensure that the switch is connected to a subnet that matches the IP address you assigned.
- Ensure that you used the proper cable. You must use a straight through cable, not a crossover cable. Refer to [Cable Descriptions](#) for more information.

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## Related Information

- [Site Survey](#)
- [Download and Install Cisco Network Assistant](#)
- [Configure a Catalyst Switch with Cisco Network Assistant](#)
- [Configure an IP Address on Your PC](#)
- [Cable Descriptions](#)