



Packet Tracer: Novice Session



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Mind Wide Open™

How Can I Use Packet Tracer?

Problem Scenario:

Your students need to learn how to configure a router Ethernet interface and to verify connectivity to this interface from a PC that has been configured to participate on the network.

- How can you demonstrate this to the whole group?
- How can they practice what they've learned?
- How can you test their ability to complete all of the steps on their own?

Use Packet Tracer!

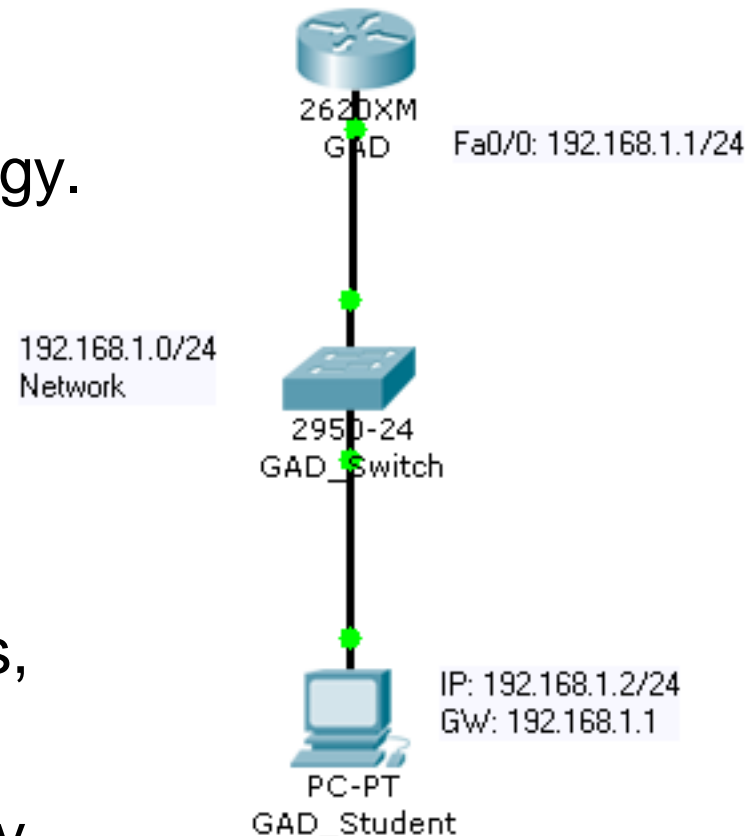
The Topology

As a group:

- Start with the finished topology.
- Walk students through the steps.

Individually:

- Students will create the devices, connect the devices, and configure the devices.
- Students will test connectivity from the PC to the router.



Skills Demonstrated in this Session

- Create and arrange devices
- Create connections
- Configure devices
- Verify connectivity
- Simulation mode
- Common issues for beginners

Creating and Arranging Devices



Create the Devices

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

To create a device:

1. Click the Select tool, if necessary.
2. Choose a device type.
3. Choose a device.
4. Click on the workspace.

2620XM Router0

Time: 00:02:59 Power Cycle Devices **Realtime**

Routers

1841 2620XM 2621XM 2811 Generic Generic

2620XM

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type

Common Tools

Logical [Root] New Cluster Move Object Set Tiled Background

The Common Tools bar includes:

- Select** tool for selecting
- Move** tool for moving the entire topology
- Note** tool for adding notes anywhere on the topology
- Delete** tool for removing devices and links
- Resize** tool for changing the size of devices in Physical View

2620XM Router0

2950-24 Switch0

PC-PT PC0

Time: 00:06:38 Power Cycle Devices

Realtime

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type

End Devices

Generic Generic Generic Generic IPPhone

PC-PT

Some Tips

Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport

2620XM Router0

2950-24 Switch0

PC-PT PC0

A Few Tips:

You can create multiple instances of the same device by holding down the **CTRL** key and drag the device.

Cancel creating a device by clicking on it again or another tool. Also, the **ESC** key will cancel any action.

Multiple devices can be selected at one time using the select tool and dragging a box around the desired devices.

Time: 00:06:38
Power Cycle Devices
Realtime

End Devices

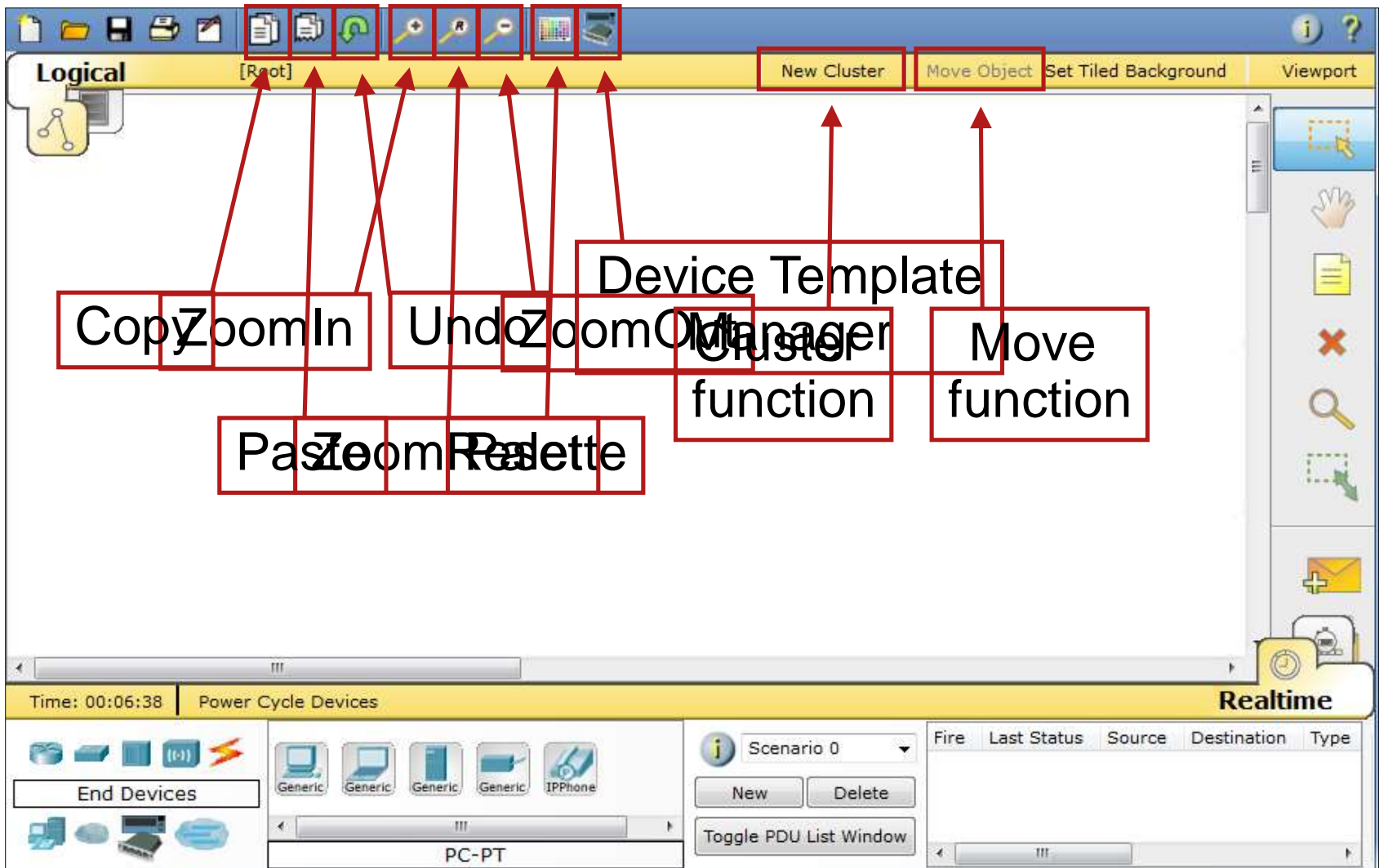
Generic
Generic
Generic
Generic
IPPhone

PC-PT

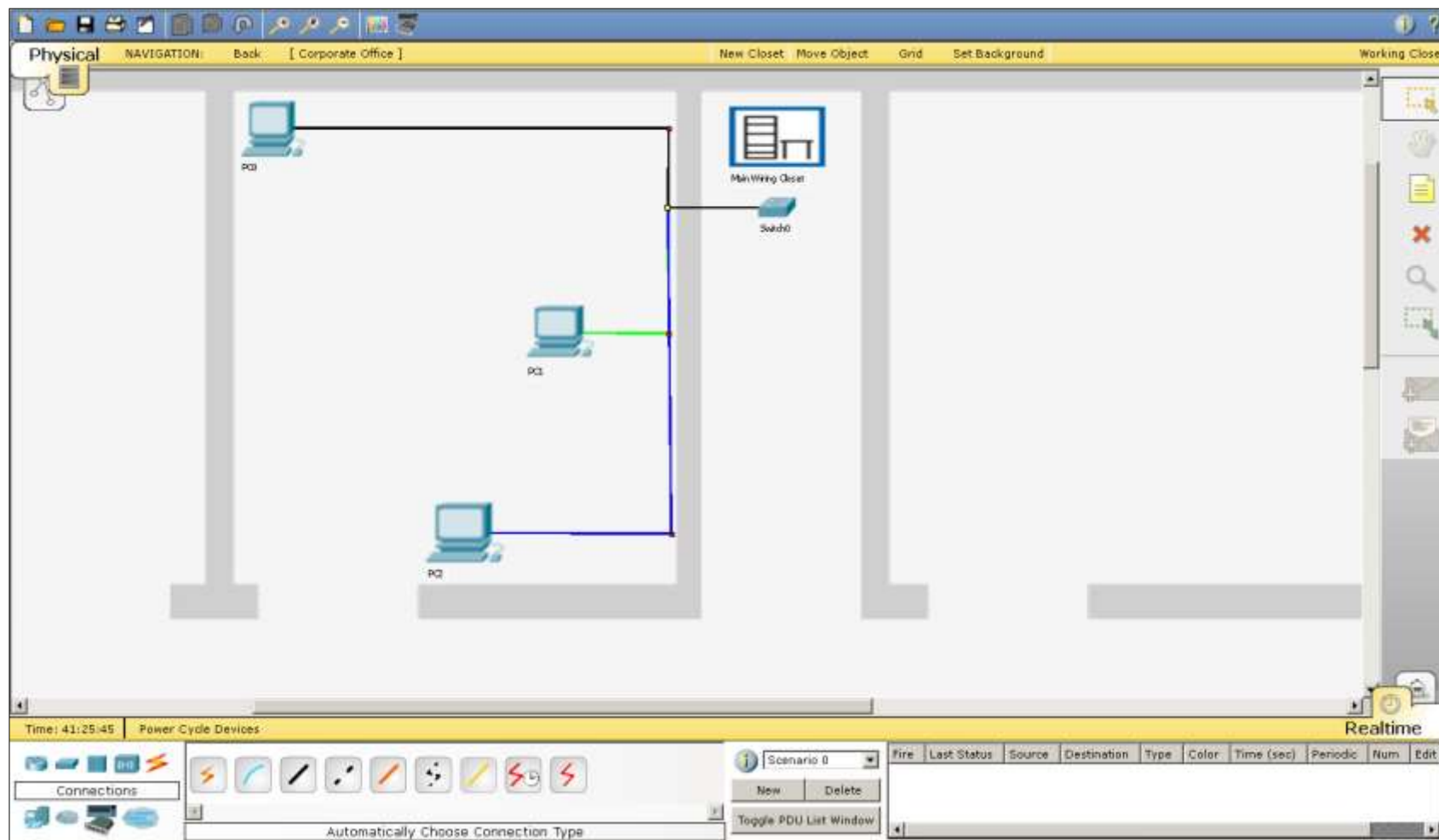
Scenario 0
New
Delete
Toggle PDU List Window

Fire	Last Status	Source	Destination	Type

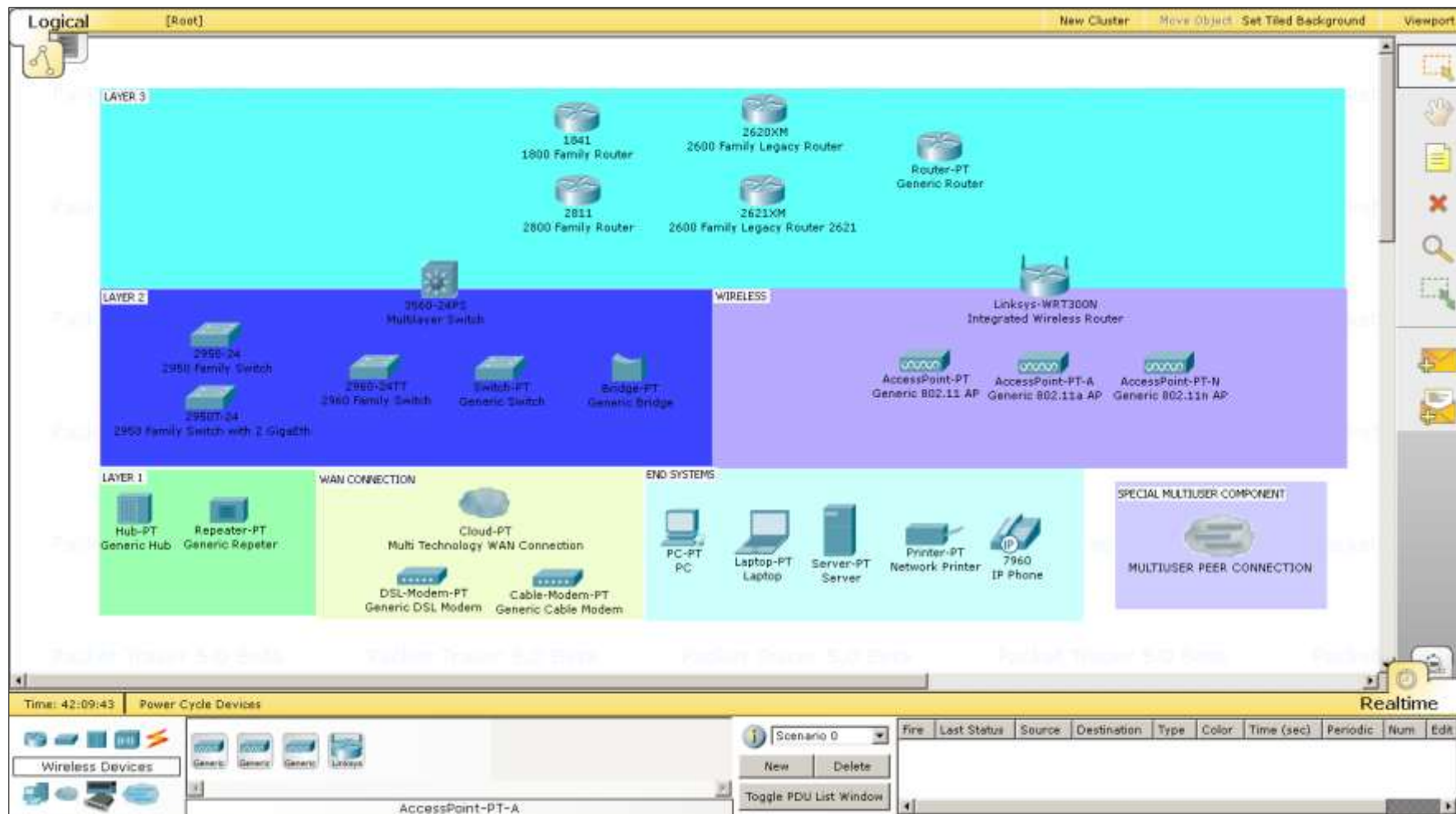
PT 5.2 Features



Create Bend Point

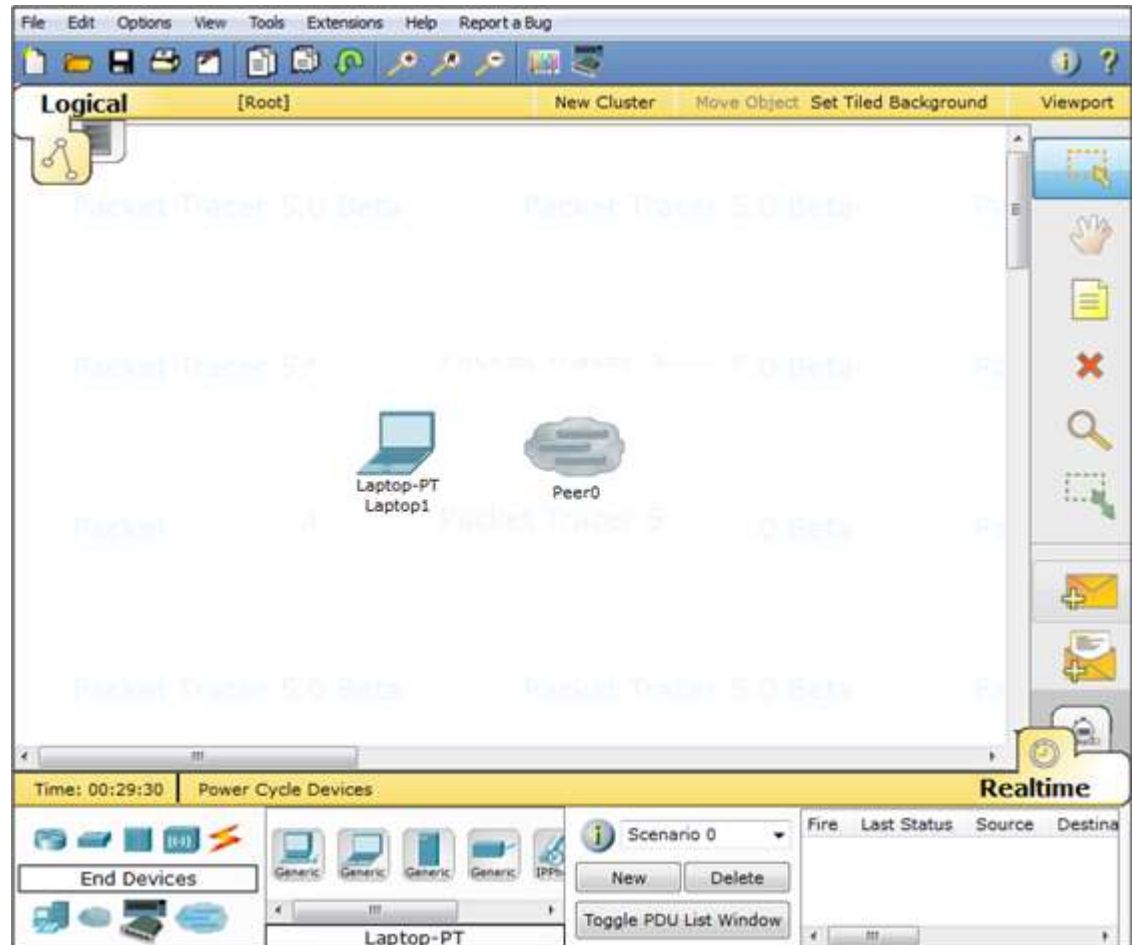


Legacy Devices (PT5.x)

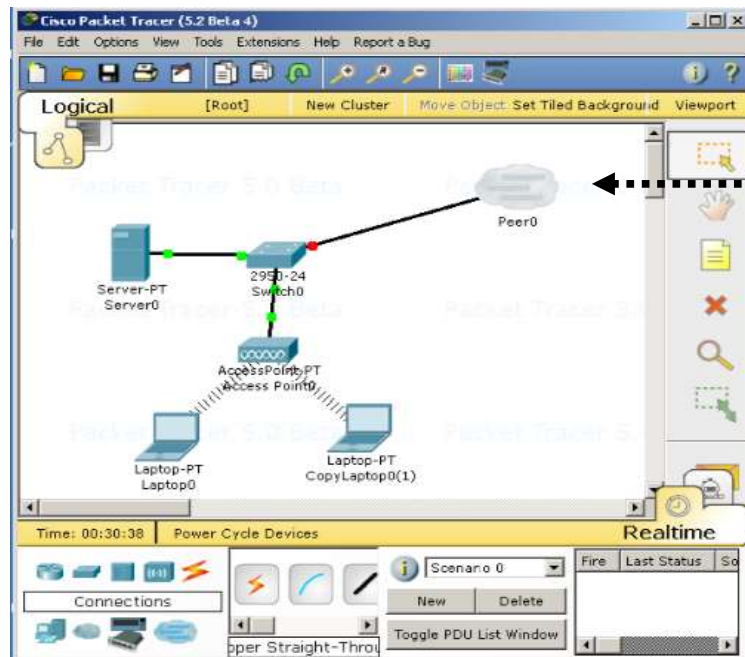


New Devices (PT5.x)

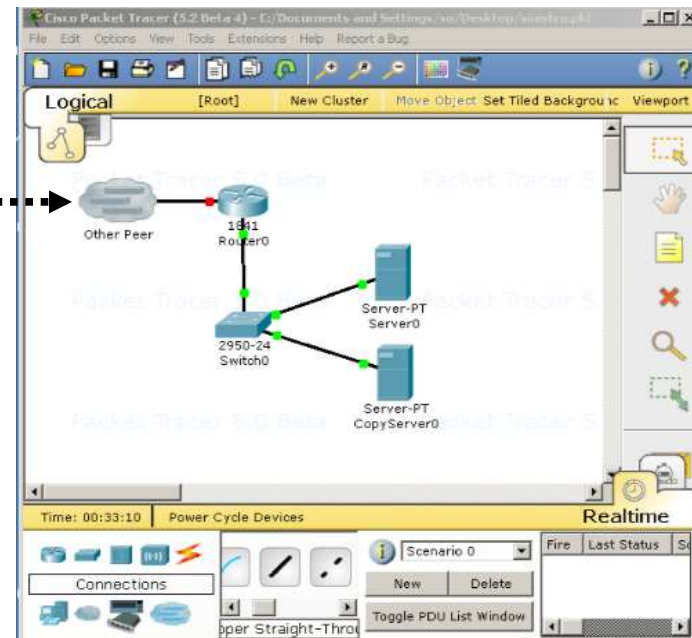
- The new device: laptop-PT



Multuser Cloud and New Laptop



PTMP
TCP/IP



- The Multuser connection (Peer0 in the picture) can connect by TCP/IP to a Multuser connection of another PT (Instance on a different computer)

Connecting Devices



Smart Connection

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

To connect devices:

1. Click the Select tool, if necessary.
2. Choose the Connection icon.
3. Choose the Smart Connection icon.
4. Click on the first device.
5. Click on the second device.

2620XM Router0

2950-24 Switch0

PC-PT PC0

Time: 01:59:02 Power Cycle Devices

Connections

Automatically Choose Connection Type

Scenario 0

New Delete

Toggle PDU List Window

Realtime

Fire Last Status Source Destination Type

Port Status

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

2620XM Router0

2950-24 Switch0

PC-PT PC0

Red indicates that the link is down.

Remember that the default state of a router interface is "shutdown".

Time: 02:14:26 Power Cycle Devices **Realtime**

Connections

Automatically Choose Connection Type

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type

Viewing Port Labels

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Mouse over the connection to see which ports Packet Tracer selected when making the Smart Connection.

2620XM Router0
Fa0/1
2950-24 Switch0
PC-PT PC0

Time: 02:16:57 Power Cycle Devices **Realtime**

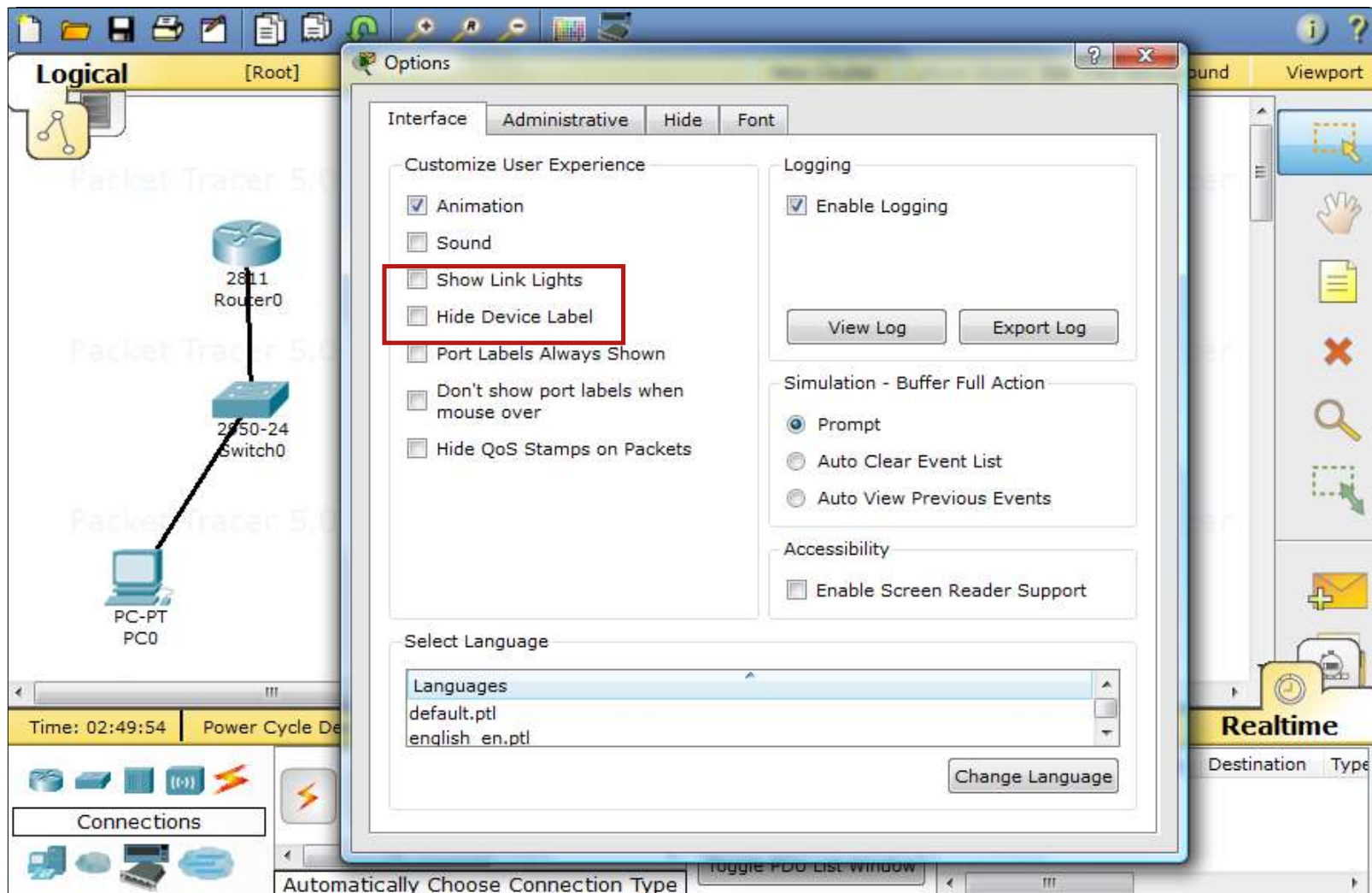
Connections

Automatically Choose Connection Type

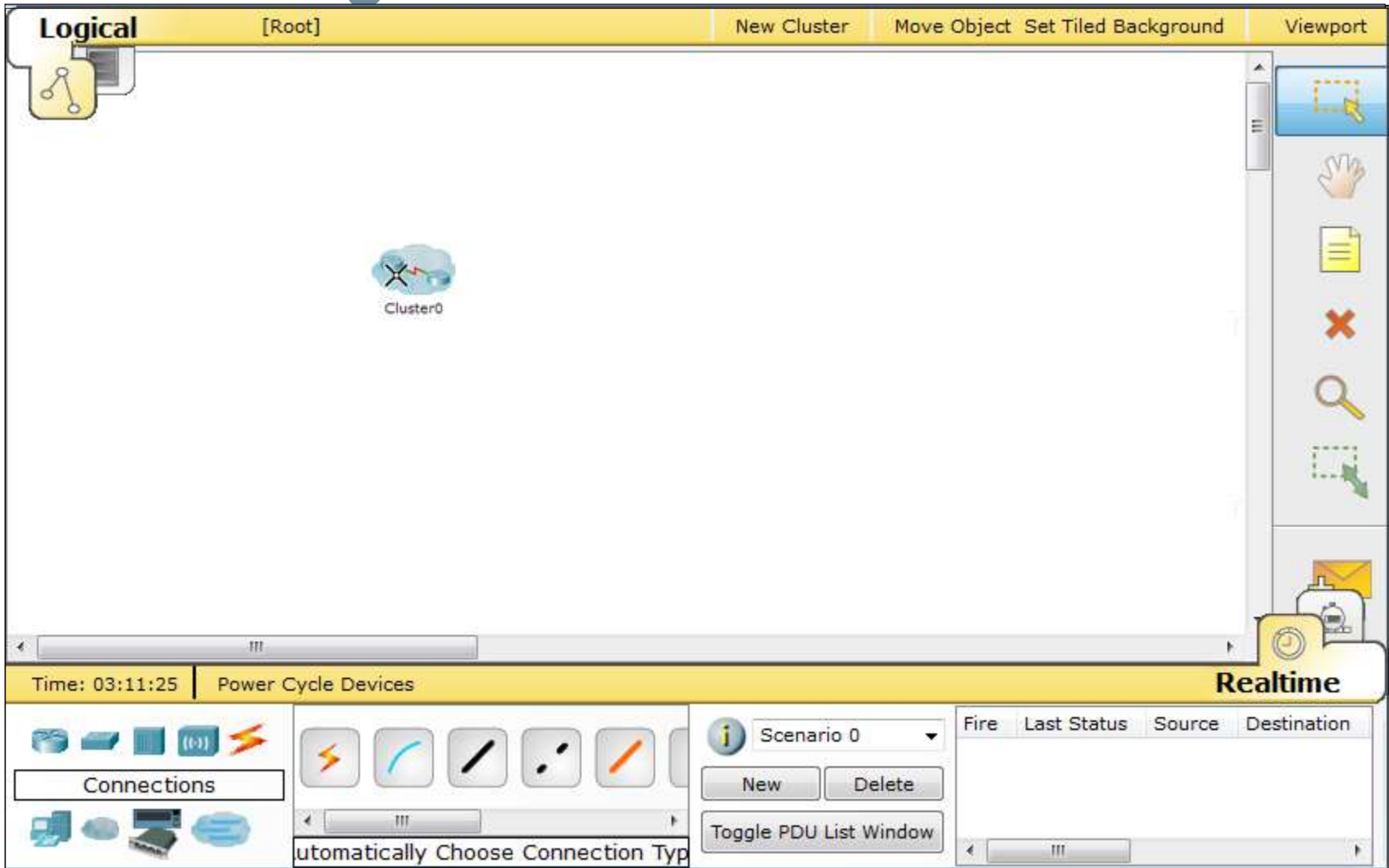
Scenario 0
New Delete
Toggle PDU List Window

Fire	Last Status	Source	Destination	Type

Port Label Options and Other Options



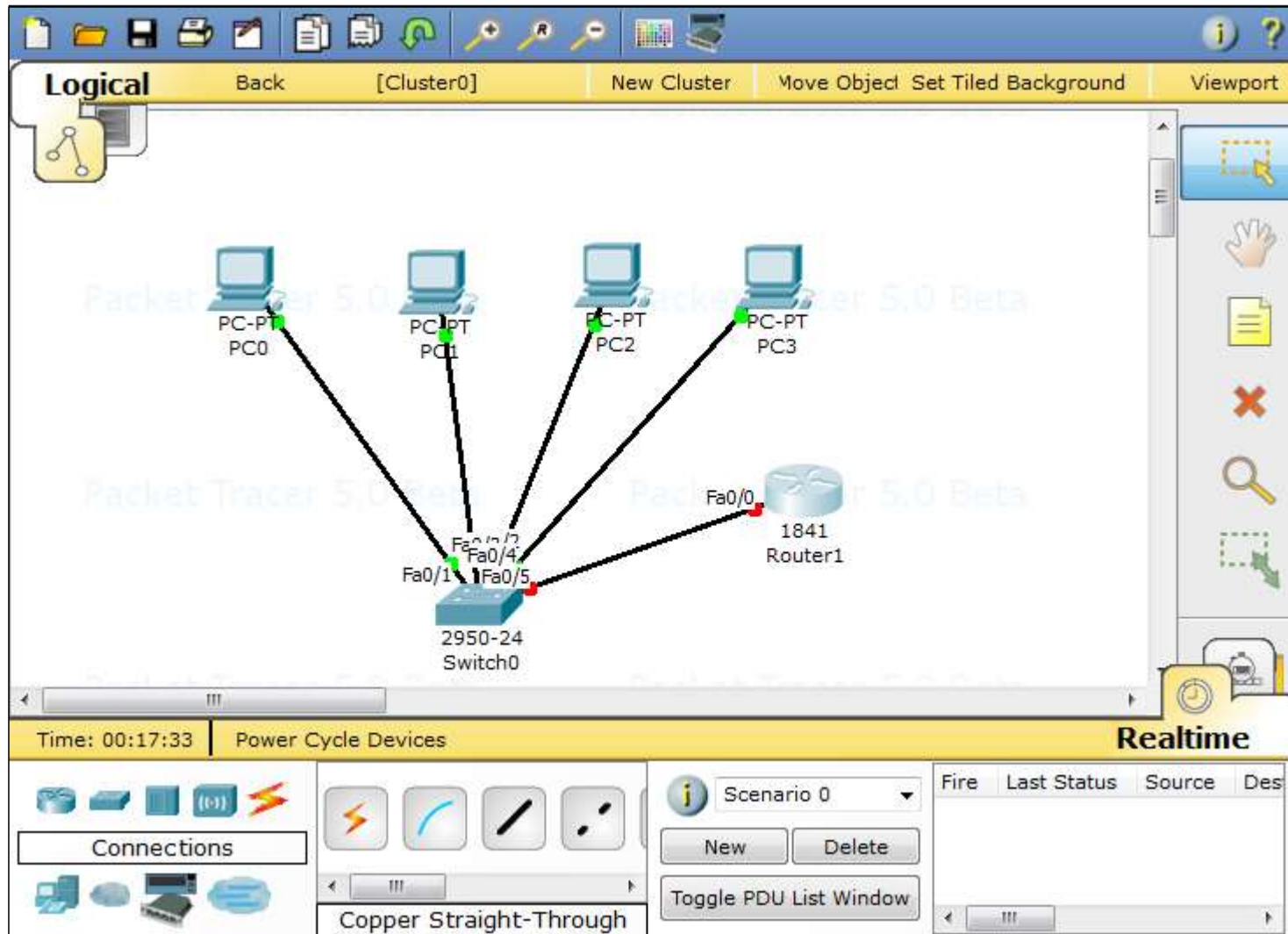
Clustering Devices



The screenshot displays the Cisco Packet Tracer 5.x interface. The top menu bar includes 'Logical', '[Root]', 'New Cluster', 'Move Object', 'Set Tiled Background', and 'Viewport'. The main workspace shows a single cluster icon labeled 'Cluster0'. The bottom status bar indicates 'Time: 03:11:25' and 'Power Cycle Devices'. The bottom toolbar contains various icons for connections, a 'Connections' button, and a 'Toggle PDU List Window' button. The bottom right corner shows the 'Realtime' tab with a table for packet capture data.

Fire	Last Status	Source	Destination

Connect to a Device Within a Cluster



Configuring Devices



GUI Configuration

- In this example, we are assuming that students either have not learned configuration through CLI, or are just beginning to learn this.
- Packet Tracer offers students the ability to make some basic configuration changes through a GUI interface, while also showing them the equivalent IOS commands.

Configuring Router Hostname

2. Type hostname in both places; one for **Display Name** and one for **Hostname**

1. To configure a device, click on it and then click the **Config** tab.

3. Device name is updated in topology.

4. Equivalent IOS commands are shown here.

Global Settings

Display Name Router0

Hostname GAD

NVRAM Erase Save

Startup Config Load... Export...

Equivalent IOS Commands

```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname GAD
GAD(config)#
```


Configure Router FastEthernet Interface

1. Click on an interface to configure it.

3. Activate the Interface.

4. IOS Commands are updated and the link light is now green.

2. Enter the IP Address and Subnet Mask.

The screenshot shows the Packet Tracer 5.0 interface configuration window for Router0. The 'Config' tab is selected, and the 'FastEthernet0/0' interface is chosen. The configuration parameters are as follows:

FastEthernet0/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="checkbox"/> Auto
Duplex	<input checked="" type="checkbox"/> Auto
MAC Address	0007.EC69.76D3
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
Tx Ring Limit	10

The 'Equivalent IOS Commands' section shows the following commands:

```

o up
GAD(config-if)#mac-address 0007.EC69.76D3
GAD(config-if)#ip address 192.168.1.1 255.255.255.0
GAD(config-if)#
  
```

The diagram on the left shows a network topology with a router (2620XM GAD) connected to a switch (2950-24 Switch0). The link between them is now green, indicating it is active.

Configure the PC Gateway

Click on a PC and then click on the **Config** tab to configure it.

Under GLOBAL Settings, you can change the PC Name and enter the gateway IP Address.

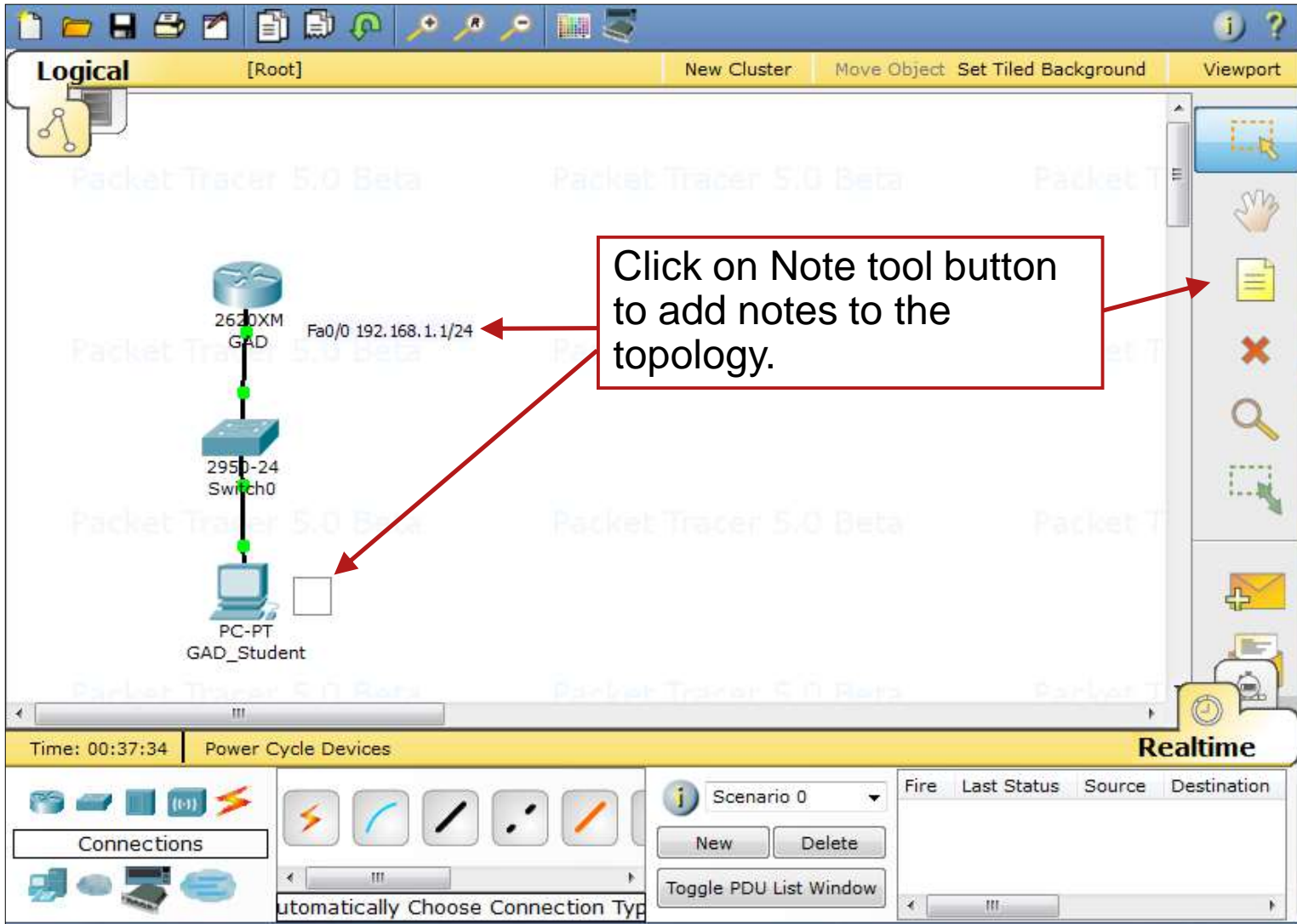
Configure the PC IP Address

Click on FastEthernet under INTERFACE to configure the IP Address and Subnet Mask.

FastEthernet Configuration:

- Port Status: 100 Mbps
- Duplex: Full Duplex
- MAC Address: 00E0.B043.9EE8
- IP Configuration:
 - Static (Selected)
 - IP Address: 192.168.1.2
 - Subnet Mask: 255.255.255.0
- IPv6 Configuration:
 - Link Local Address: FE80::2E0:B0FF:FE43:9EE8
 - Auto Config (Selected)

Add Notes



Network Description

The screenshot shows the Packet Tracer 5.0 Beta interface. The main workspace displays a network topology with the following components:

- Router:** 2620XM GAD, Fa0/0 192.168.1.1/24
- Switch:** 2950-24 Switch0
- PC:** PC-PT GAD_Student, IP: 192.168.1.2/24, GW: 192.168.1.1
- Network:** 192.168.1.0/24

A **Network Description** window is open, providing details about the topology:

Network Description:

This topology is the beginning of the larger topology we will build.

The router has a FastEthernet port that is addressed with the first available IP address in the 192.168.1.0/24 network.

The PC is connected to the network via a switch and has the next available IP address in the 192.168.1.0/24 network. It is configured to use the router's FastEthernet port as the Gateway.

A red arrow points from the **Network Description** window to the **"I" icon** in the top right corner of the Packet Tracer interface, which is used to add a network description.

Click on "I" icon to add a Network Description.

Save Your Configurations and File

The screenshot shows the Packet Tracer 5.0 Beta interface. The 'File' menu is open, showing options like 'New', 'Open...', 'Open Samples...', 'Save', 'Save As...', 'Save As Pkz...', 'Print...', 'Recent Files', and 'Exit'. A red arrow points to the 'Save' option, which is highlighted. A red box around the 'Save' option contains the text: 'Save your file by selecting File...Save'.

The 'GAD' configuration window is also open. It shows various settings for the GAD device, including 'Display Name', 'Hostname', 'NVRAM', 'Startup Config', and 'Running Config'. The 'NVRAM' section has 'Erase' and 'Save' buttons. A red arrow points to the 'Save' button, and a red box around it contains the text: 'Save your router configs by clicking the NVRAM Save button.'

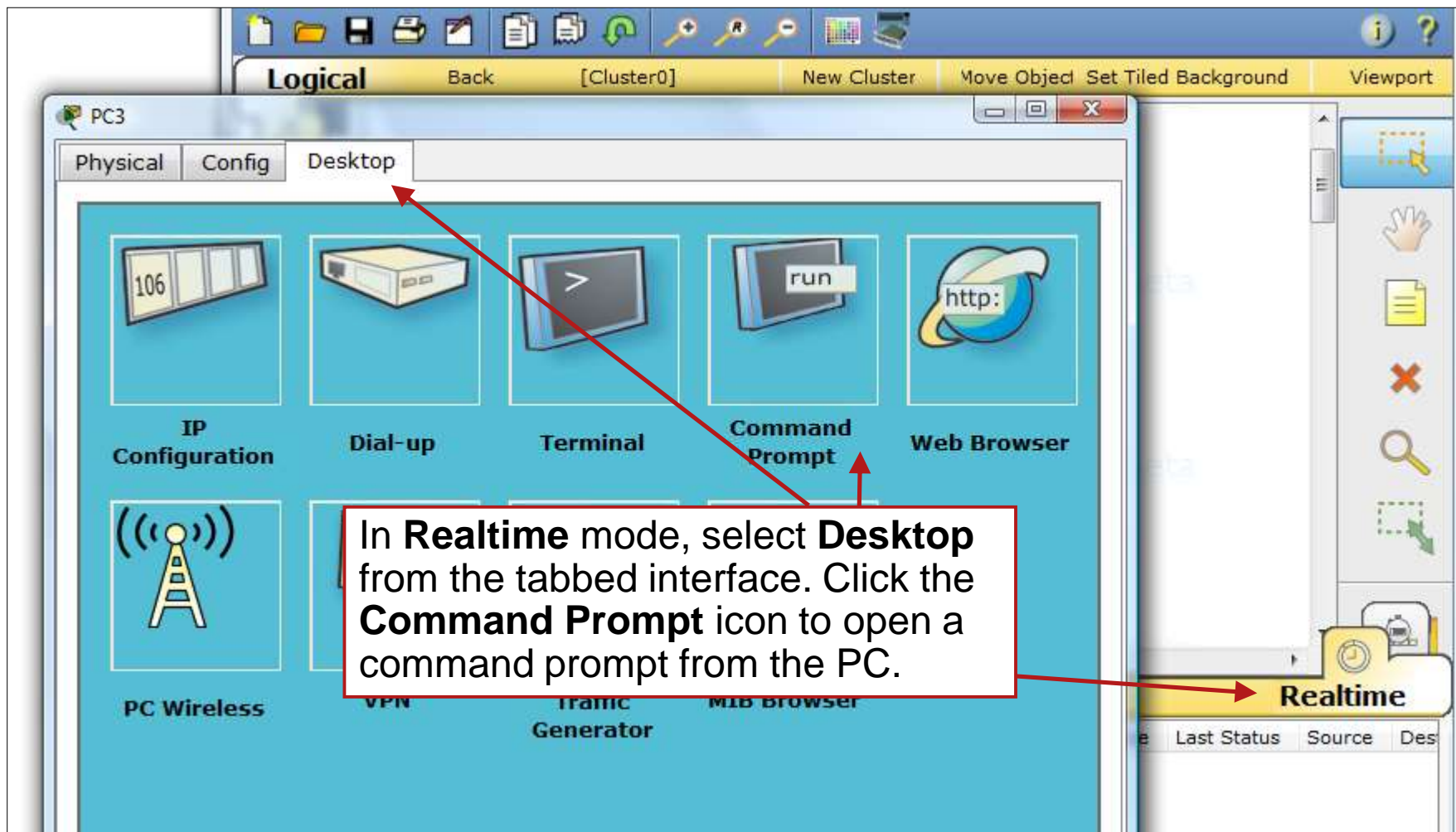
Verify Connectivity



Verifying Connectivity

- There are several ways to verify connectivity in Packet Tracer.
- In Realtime mode, open a command prompt from the PC desktop and issue a ping just as you would in the classroom with real equipment.
- In Simulation Mode, create a simulation that allows you to open up the packet at different points along the path to view how the device is processing the packet.

Verifying in Realtime Mode



Ping the Gateway

The screenshot displays the Packet Tracer 5.0 interface. On the left, the 'Logical' tab is selected, showing a network topology. A 2620XM GAD router is connected to a 2951-24 Switch0, which is connected to a PC-PT GAD_Student. A red arrow points from the 'GAD_Student' PC icon to the Command Prompt window. The Command Prompt window, titled 'GAD_Student', shows the following output:

```

Packet Tracer PC Command Line 1.0
PC>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=153ms TTL=120
Reply from 192.168.1.1: bytes=32 time=78ms TTL=120
Reply from 192.168.1.1: bytes=32 time=69ms TTL=120
Reply from 192.168.1.1: bytes=32 time=80ms TTL=120

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 69ms, Maximum = 153ms, Average = 95ms

PC>

```

A red box with a white border contains the text 'Issue a ping to the Gateway.' with a red arrow pointing to the Command Prompt window.

Run a Simulation



Simulation Mode

Packet Tracer 5.0 Beta

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Event List

Vis.	Time (sec)	Last Device	At Device	Type	Info

Reset Simulation ☒ Constant Delay Captured to: * (no captures)

Play Controls

Back Auto Capture / Play Capture / Forward

Event List Filters

Visible Events: SSH, ICMPv6, LACP, PAgP, IPSec, ISAKMP, ACL Filter, SNMP, TACACS, RADIUS, NTP, SYSLOG, HTTPS

Edit Filters Show All

Time: 00:51:09.552 Power Cycle Device Back Auto Capture / Play Capture / Forward Event List **Simulation**

Connections

Scenario 0 New Delete Toggle PDU List Window

Switch to Simulation Mode.

Simulation Mode?

- Most of the work so far has been completed in the Realtime Mode. In Realtime Mode, your network is always running (like a real network) whether you are working on the network or not. Your configurations are created and modified in real time, and the network responds in real time.
- Simulation Mode is used to observe network traffic in a detailed and controlled pace to observe the paths that packets take and inspect packets in detail.
- Simulation Mode allows us to create and examine packets.

Create a PDU

3. Select the Destination Device.

1. Click the Simple PDU icon.

2. Select the Source device.

The screenshot displays the Packet Tracer 5.0 Beta interface. The main workspace shows a network topology with a router (2620XM GAD) connected to a switch (2950-24 Switch0), which is connected to a PC (PC-PT GAD_Student). The PC has IP: 192.168.1.2/24 and GW: 192.168.1.1. The switch is connected to a network (192.168.1.0/24). The router's Fa0/0 interface has IP: 192.168.1.1/24.

On the right side, the 'Event List' panel is visible, showing a table with columns: Vis., Time (sec), Last Device, At Device, Type, and Info. Below the table are buttons for 'Reset Simulation', 'Play Controls' (Back, Auto Capture / Play, Capture / Forward), and 'Event List Filters'. The filters section lists various protocols: ARP, CDP, DHCP, EIGRP, ICMP, RIP, TCP, UDP, VTP, STP, OSPF, DTP, Telnet, TFTP, HTTP, DNS, SSH, ICMPv6, LACP, PAP, IPSec, ISAKMP, ACL Filter, SNMP, TACACS, RADIUS, NTP, SYSLOG, and HTTPS. There are buttons for 'Edit Filters' and 'Show All'.

At the bottom, the 'Simulation' tab is active, showing a table with columns: Fire, Last Status, Source, and Destination. There are also buttons for 'New', 'Delete', and 'Toggle PDU List Window'.

Red arrows point from the text boxes to the corresponding elements in the interface: one points to the PC (Source device), one points to the Simple PDU icon (envelope with a plus sign), and one points to the router (Destination Device).

Event List

The Event List window records (or "captures") what happens as your PDU propagates the network.

The Event List can be filtered to show specific kinds of traffic.

The PDU List will show the PDU information.

The screenshot displays the Packet Tracer 5.0 Beta interface. The main workspace shows a network topology with a 2620XM GAD router connected to a 2950-24 Switch0. The router's Fa0/0 interface is configured with IP 192.168.1.1/24. A PC-PT PC0 is connected to the switch. The Event List window is open on the right, showing a table of events. The table has columns: Vis., Time (sec), Last Device, At Device, Type, and Info. The first event is an ICMP packet from PC0 to GAD at 0.000 seconds. Below the table are controls for 'Reset Simulation', 'Constant Delay' (checked), and 'Captured to: 0.000 s'. The 'Play Controls' section includes 'Back', 'Auto Capture / Play', and 'Capture / Forward' buttons. The 'Event List Filters' section lists various protocols (ARP, CDP, DHCP, EIGRP, ICMP, RIP, TCP, UDP, VTP, STP, OSPF, DTP, Telnet, TFTP, HTTP, DNS, SSH, ICMPv6, LACP, PAgP, IPSec, ISAKMP, ACL Filter, SNMP, TACACS, RADIUS, NTP, SYSLOG, HTTPS) and shows 'Visible Events' for SSH, ICMPv6, LACP, PAgP, IPSec, ISAKMP, ACL Filter, SNMP, TACACS, RADIUS, NTP, and SYSLOG. There are 'Edit Filters' and 'Show All' buttons. At the bottom, the 'Simulation' window is open, showing a table with columns: Fire, Last Status, Source, and Destination. The first entry is 'In Progress' from PC0 to GAD. There are 'New' and 'Delete' buttons, and a 'Toggle PDU List Window' button.

Vis.	Time (sec)	Last Device	At Device	Type	Info
	0.000	--	PC0	ICMP	

Fire	Last Status	Source	Destination
	In Progress	PC0	GAD

Playing the Simulation

Click the **Auto Capture/Play** button to begin the simulation.

The screenshot shows the Packet Tracer 5.0 Beta interface. On the left, a network diagram displays a 2950-24 Switch connected to a PC-PT (PC0). The switch is part of Network 192.168.1.0/24. The PC has IP: 192.168.1.2/24 and GW: 192.168.1.1. The top menu bar includes 'Logical', '[Root]', 'New Cluster', 'Move Object', 'Set Tiled Background', and 'Viewport'. The right sidebar contains various tool icons. The main panel on the right is divided into sections: 'Event List' (showing a table with columns Vis., Time (sec), Last Device, At Device, Type, Info), 'Reset Simulation' (with a checked 'Constant Delay' box), 'Play Controls' (containing 'Back', 'Auto Capture / Play', and 'Capture / Forward' buttons), and 'Event List Filters' (listing various protocols like ARP, CDP, DHCP, etc.). A red arrow points from the text box to the 'Auto Capture / Play' button. The bottom status bar shows 'Time: 01:02:29.900', 'Power Cycle Device', 'Back', 'Auto Capture / Play', 'Capture / Forward', 'Event List', and 'Simulation'. The bottom toolbar includes 'Connections', 'Scenario 0', 'New', 'Delete', 'Toggle PDU List Window', and a table with columns 'Fire', 'Last Status', 'Source', and 'Destination'.

Vis.	Time (sec)	Last Device	At Device	Type	Info
	0.000	--	PC0	ICMP	

Fire	Last Status	Source	Destination
	In Progress	PC0	GAD

Results

As the simulation runs, events will be added to the list. These events show the packet's state at each step along the path.

Event List

Vis.	Time (sec)	Last Device	At Device	Type	Ir
	0.002	Switch0	GAD	ICMP	
	0.003	GAD	Switch0	ICMP	
	0.004	Switch0	PC0	ICMP	

Reset Simulation ☒ Constant Delay Captured to: 4.533 s

Play Controls

Back Auto Capture / Play Capture / Forward

Event List Filters

EIGRP, ICMP, RIP, TCP, UDP, TP, Telnet, TFTP, HTTP, DNS, CP, PAP, IPSec, ISAKMP, TACACS, RADIUS, NTP,

Edit Filters Show All

Time: 01:02:34.433 Power Cycle Device Back Auto Capture / Play Capture / Forward Event List Simulation

Connections

Automatically Choose Connection Type

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination
	Successful	PC0	GAD

A successful ping will show a green check mark.

PDU Information

Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport

PDU Information at Device: Switch0

OSI Model
Inbound PDU Details
Outbound PDU Details

At Device: Switch0
Source: PC0
Destination: GAD

In Layers
Layer7
Layer6
Layer5
Layer4
Layer3
Layer 2: Ethernet II Header
0007.EC69.76D3 >>
00E0.B043.9EE8
Layer 1: Port FastEthernet0/1

Out Layers
Layer7
Layer6
Layer5
Layer4
Layer3
Layer 2: Ethernet II Header
0007.EC69.76D3 >>
00E0.B043.9EE8
Layer 1: Port(s): FastEthernet0/2

1. FastEthernet0/1 receives the frame.

Challenge Me
<< Previous Layer
Next Layer >>

Last Device	At Device	Type	Ir
--	Switch0	STP	
Switch0	PC0	STP	
Switch0	GAD	STP	

☒ Constant Delay
Captured to: * 4.533 s

Auto Capture / Play
Capture / Forward

P, CDP, DHCP, EIGRP, ICMP, RIP, TCP, UDP, TP, STP, OSPF, DTP, Telnet, TFTP, HTTP, DNS, SH, ICMPv6, LACP, PAgP, IPSec, ISAKMP, CL Filter, SNMP, TACACS, RADIUS, NTP, YSLOG, HTTPS

Show All

Capture / Forward
Event List
Simulation

Fire	Last Status	Source	Destination
	Successful	PC0	GAD

Toggle PDU List Window

Automatically Choose Connection Type

Common Issues for Beginners



I Do Not See My PDU!

Packet Tracer 5.0 Beta

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Event List

Vis.	Time (sec)	Last Device	At Device	Type	Info

2620XM GAD Fa0/0 192.168.1.1/24

PC-PT PC0

Check your Event List Filters. If none are selected...the PDU won't show up!

Event List Filters

Visible Events: None.

Edit Filters Show All

Time: 01:02:45.931 Power Cycle Device Back Auto Capture / Play Capture / Forward Event List Simulation

Connections

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination

In Progress PC0 GAD

I See PDUs I Did Not Create!

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Packet Tracer 5.0 Beta

2620XM GAD Fa0/0 192.168.1.1/24

Network 192.168.1.0/24

2950-24 Switch0

PC0

Time: 01:02:45.934 Power Cycle Device Back Auto Capture / Play Capture / Forward Event List Simulation

Connections

Automatically Choose Connection Type

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination

In Progress PC0 GAD

Event List

Vis.	Time (sec)	Last Device	At Device	Type	Ir
	0.000	--	PC0	ICMP	
	0.002	Switch0	GAD	ICMP	
	0.003	GAD	Switch0	ICMP	

Reset Simulation ☒ Constant Delay Captured to: 0.003 s

Play Controls

Back Auto Capture / Play Capture / Forward

Event List Filters

Visible Events: ARP, CDP, DHCP, EIGRP, ICMP, RIP, TCP, UDP, VTP, STP, OSPF, DTP, Telnet, TFTP, HTTP, DNS, ACL Filter, SNMP, TACACS, RADIUS, NTP, SYSLOG, HTTPS

Edit Filters Show All

Check your Event List Filters. Beginners might want to limit their list to ICMP only.

My Pings Are Unsuccessful

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Check the status of your “STP” before switching to Simulation Mode. All switch ports should be green before entering Simulation Mode.

You may need to reset the network by clicking Power Cycle Devices. But make sure your device configurations are saved first!

Time: 01:03:02 Power Cycle Devices

Realtime

Fire	Last Status	Source	Destination
	Successful	PC0	GAD

Where is the Event List Window?

The Event List can be toggled using the Event List button.

Network 192.168.1.0/24

2620XM GAD Fa0/0 192.168.1.1/24

2950-24 Switch0

IP: 192.168.1.2/24
GW: 192.168.1.1

PC-PT PC0

Time: 01:06:24.405

Lower Cycle Device Back Auto Capture / Play Capture / Forward Event List Simulation

Connections

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination
In Progress		PC0	GAD

Where Did My Topology Go?

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Network Description:

This topology is the beginning of the larger topology we will build.

The router has a FastEthernet port that is addressed with the first available IP address in the 192.168.1.0/24 network.

The PC is connected to the network via a switch and has the next available IP address in the 192.168.1.0/24 network. It is configured to use the router's FastEthernet port as the Gateway.

Network 192.168.1.0/24

IP: 192.168.1.1
GW: 192.168.1.1

PC-PT
PC0

Simulation Panel

Event List

Vis.	Time (sec)	Last Device	At Device	Type	Info
	0.000	--	PC0	ICMP	
	0.001	PC0	Switch0	ICMP	

Reset Simulation ☒ Constant Delay Captured to: * 0.001 s

Time: 01:06:36.212 Lower Cycle Device

Scenario 0

New Delete

Toggle PDU List Window

Fire

Windows can be closed and/or docked and undocked using the title bar.

Double click to dock or undock. Once undocked, windows can be moved around in the application window.

Click the "X" to close.

Arranging Windows

The screenshot displays the Packet Tracer 5.0 Beta interface with several windows open and arranged. The top menu bar includes 'Logical', '[Root]', 'New Cluster', 'Move Object', 'Set Tiled Background', and 'Viewport'. The left sidebar shows a network diagram with a 'Network 192.168.1.0/24' and a 'PC-PT PC0'.

The main workspace is divided into several panels:

- Network Description:** A text box providing information about the topology and the configuration of the router and PC.
- Event List:** A table showing network events.
- Play Controls:** Buttons for 'Back', 'Auto Capture / Play', and 'Capture / Forward', along with a progress slider.
- Event List Filters:** A list of visible events and filters.
- PDU List Window:** A table showing the details of a packet capture.

The bottom status bar shows the time '01:06:36.21' and the scenario 'Scenario 0'.

Network Description:

This topology is the beginning of the larger topology we will build.

The router has a FastEthernet port that is addressed with the first available IP address in the 192.168.1.0/24 network.

The PC is connected to the network via a switch and has the next available IP address in the 192.168.1.0/24 network. It is configured to use the router's FastEthernet port as the Gateway.

Event List:

Vis.	Time (sec)	Last Device	At Device	Type	Ir
	0.000	--	PC0	ICMP	
	0.001	PC0	Switch0	ICMP	
	0.001	--	PC0	ICMP	

Play Controls:

Back Auto Capture / Play Capture / Forward

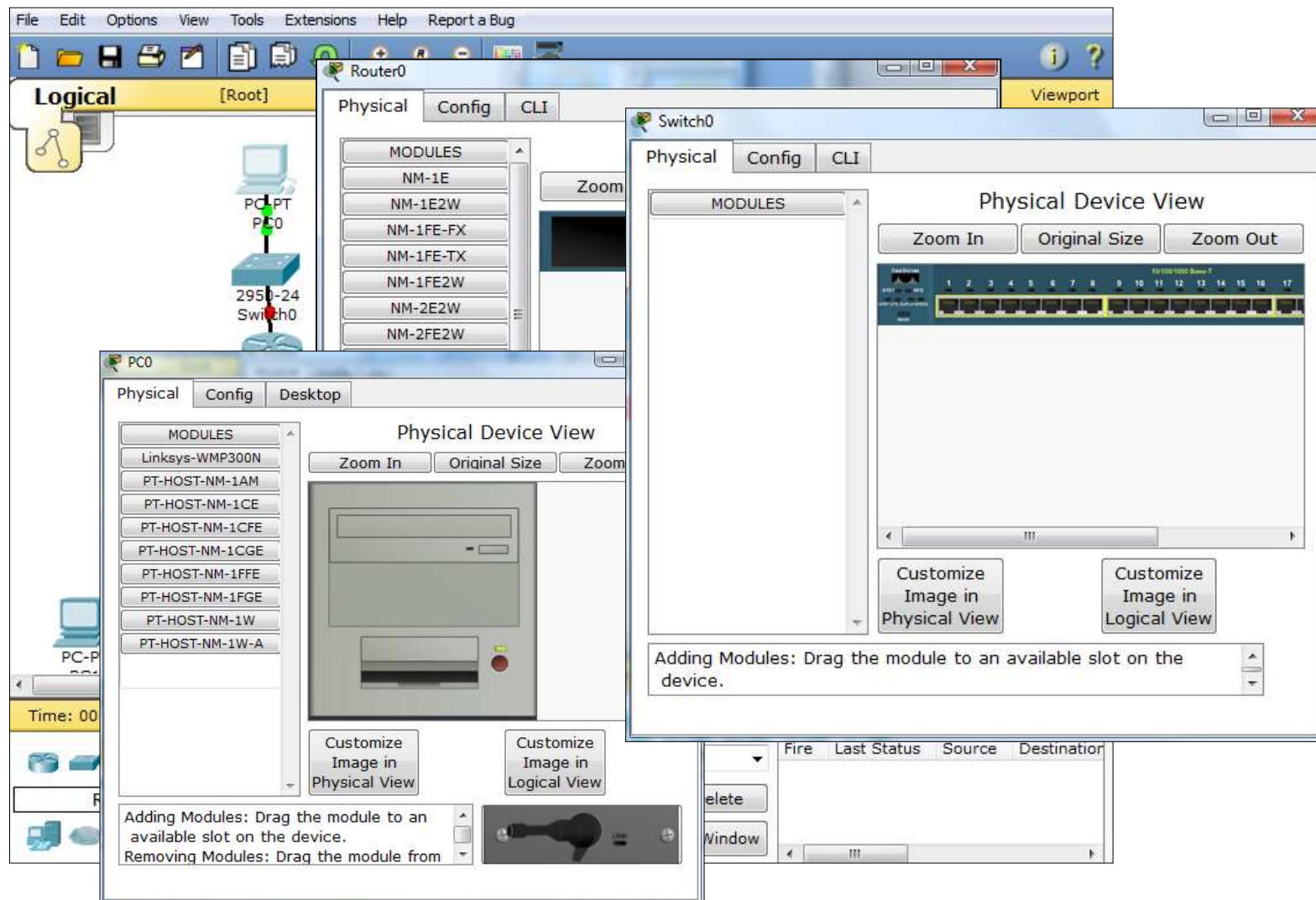
Event List Filters:

Visible Events: ARP, CDP, DHCP, EIGRP, ICMP, RIP, TCP, UDP, VTP, STP, OSPF, DTP, Telnet, TFTP, HTTP, DNS, SSH, ICMPv6, LACP, PAgP, IPSec, ISAKMP, ACL Filter, SNMP, TACACS, RADIUS, NTP, SYSLOG, HTTPS

PDU List Window:

Fire	Last Status	Source	Destination	Type	Color	Time (sec)	Periodic	Num	Edit	Delete
	In Progress	PC0	GAD	ICMP		0.000	N	0	(edit)	(delete)

Multiple Device Windows



Where is the Activity Instructions Window?

2 Communicating over the Network
2.2 LANs, WANs, and Internetworks
2.2.4 Network Representations

CCNA Exploration
Network Fundamentals

Cisco Packet Tracer (5.2 Beta 4) - C:\Users\ycarroll\AppData\Local\Temp\pka.pka

File Edit Options View Tools Extensions Help Report a Bug

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

PT Activity: 00:05:30

Activity 2.2.4: Network Representations

Addressing Table:

This Lab does not include an Addressing Table.

Learning Objectives:

- Explore the PT interface
- Locate the key components used to place device symbols in the logical workplace
- Examine the devices that can be placed in the logical workplace

Time Elapsed: 00:05:30 Completion: 0%

Top Check Results Reset Activity 1/1

Time: 00:05:30 Power Cycle Devices

Routers

1841 2620XM 2621XM

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source

Realtime

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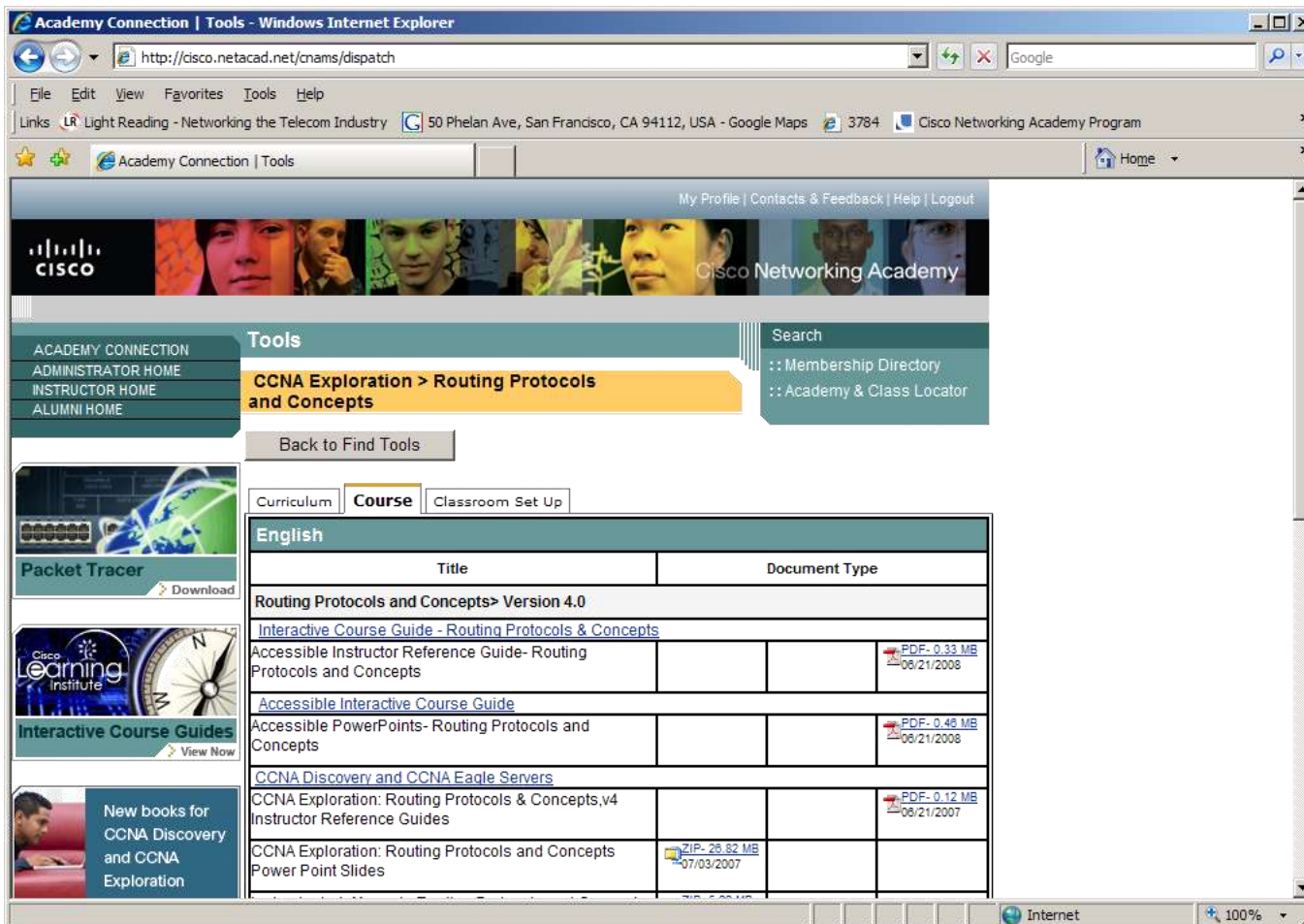
Transferring data from curriculum.netacad.net...

Task - Micr... 2 Firefox 2 Windows... 2 Microsof... Microsoft Po... Adobe Phot... Cisco Packet... PT Activity: 0...

Helpful Resources



Download the Latest Version & Activities





The screenshot shows a Windows Internet Explorer browser window displaying the Cisco Networking Academy website. The address bar shows the URL <http://cisco.netacad.net/cnams/dispatch>. The page title is 'Academy Connection | Tools - Windows Internet Explorer'. The main navigation bar includes links for 'My Profile | Contacts & Feedback | Help | Logout'. The left sidebar contains links for 'ACADEMY CONNECTION', 'ADMINISTRATOR HOME', 'INSTRUCTOR HOME', and 'ALUMNI HOME'. The main content area is titled 'Tools' and shows the path 'CCNA Exploration > Routing Protocols and Concepts'. Below this, there are tabs for 'Curriculum', 'Course' (selected), and 'Classroom Set Up'. The 'Course' tab displays a table of resources for 'English'.

Title	Document Type
Routing Protocols and Concepts> Version 4.0	
Interactive Course Guide - Routing Protocols & Concepts	
Accessible Instructor Reference Guide- Routing Protocols and Concepts	PDF- 0.33 MB 06/21/2008
Accessible Interactive Course Guide	
Accessible PowerPoints- Routing Protocols and Concepts	PDF- 0.48 MB 06/21/2008
CCNA Discovery and CCNA Eagle Servers	
CCNA Exploration: Routing Protocols & Concepts,v4 Instructor Reference Guides	PDF- 0.12 MB 06/21/2007
CCNA Exploration: Routing Protocols and Concepts Power Point Slides	ZIP- 28.82 MB 07/03/2007

The bottom of the page shows the status bar with 'Internet' and '100%' zoom.

Packet Tracer Forum

My Profile | Contacts & Feedback | Help | Logout

CISCO NETWORKING ACADEMY COMMUNITY

ACADEMY CONNECTION +
NETWORKING ACADEMY COMMUNITY +
INSTRUCTOR COMMUNITY +
▼ Packet Tracer

Packet Tracer
[Message Center](#) | [Watch Favorite Members](#) | [Preferences](#)
[Community Home](#) > [Instructor Community](#) > Packet Tracer

Instructor Quick Links
[Instructor Home](#)
[Curriculum Tools](#)
[E-Lab Composer](#)
[FTP Center](#)
[Report Errors / Bugs](#)

Packet Tracer 5.0

Packet Tracer version 5 (PT v5.x) is now available. Packet Tracer is a stand-alone, medium-fidelity simulation and visualization environment designed for networking novices to design, configure, and troubleshoot CCNA-level networks.

>> [Download Packet Tracer v5.0](#)
>> [Packet Tracer Video](#)

Tips and Tricks

Share information on Best Practices for teaching and using Packet Tracer in the classroom.

Packet Tracer Training

Access training tutorials and learn more about how to use Packet Tracer.

Activity Wizard

Learn more about the activity wizard; author and share activities within your postings.

Packet Tracer Support

Discuss problems and technical challenges you may be experiencing with Packet Tracer. Submit suggestions for new features and improvements.

Search
:: Membership Directory
:: Academy & Class Locator
Search Community

:: Advanced Search
Resources
:: Community Help
:: Community Agreement
Who's Online?
[Send Live Message](#)
[Edit Buddy List](#)
Who's Here?
Help Stop Online Cheating

Interested in More Help?

Packet Tracer 5.2

Search

Introduction

- What's New
- Program Usage

Getting Started

- Interface Overview
- My First PT Lab

Tutorials

Workspace Basics

- Logical Workspace
- Physical Workspace
- Moving Devices
- Wireless Devices
- Special Notes

Operating Modes

- Realtime Mode
- Simulation Mode
- PDU Information
- Scenarios
- Complex PDUs
- Special Notes


Connections / Links

Devices & Modules

- Routers
- Switches
- End Devices
- Other Devices

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Cisco Packet Tracer 5.2

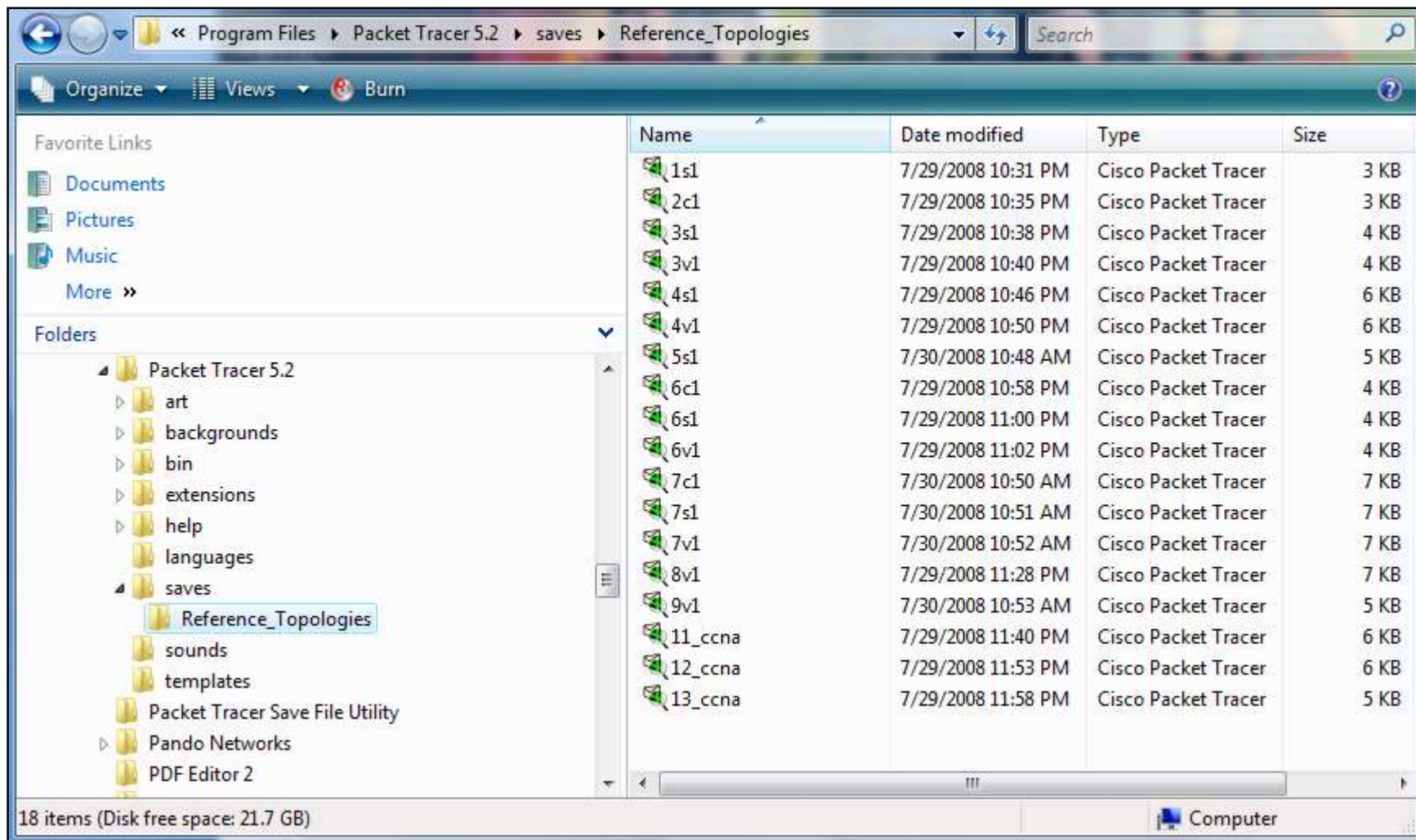


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Using the Help Files

The help files are designed to familiarize users with the Packet Tracer 5.2 interface, functions, and features. Although the help files may be used as a reference guide, the pages are meant to be read in order (especially the sections presented at the beginning). Annotated screenshots are used to aid your understanding. Important notes or tips are presented in tip boxes like the following:

Reference Topologies



Program Files ► Packet Tracer 5.2 ► saves ► Reference_Topologies

Organize Views Burn

Favorite Links: Documents, Pictures, Music, More »

Folders: Packet Tracer 5.2 (art, backgrounds, bin, extensions, help, languages, saves, Reference_Topologies, sounds, templates, Packet Tracer Save File Utility, Pando Networks, PDF Editor 2)

Name	Date modified	Type	Size
1s1	7/29/2008 10:31 PM	Cisco Packet Tracer	3 KB
2c1	7/29/2008 10:35 PM	Cisco Packet Tracer	3 KB
3s1	7/29/2008 10:38 PM	Cisco Packet Tracer	4 KB
3v1	7/29/2008 10:40 PM	Cisco Packet Tracer	4 KB
4s1	7/29/2008 10:46 PM	Cisco Packet Tracer	6 KB
4v1	7/29/2008 10:50 PM	Cisco Packet Tracer	6 KB
5s1	7/30/2008 10:48 AM	Cisco Packet Tracer	5 KB
6c1	7/29/2008 10:58 PM	Cisco Packet Tracer	4 KB
6s1	7/29/2008 11:00 PM	Cisco Packet Tracer	4 KB
6v1	7/29/2008 11:02 PM	Cisco Packet Tracer	4 KB
7c1	7/30/2008 10:50 AM	Cisco Packet Tracer	7 KB
7s1	7/30/2008 10:51 AM	Cisco Packet Tracer	7 KB
7v1	7/30/2008 10:52 AM	Cisco Packet Tracer	7 KB
8v1	7/29/2008 11:28 PM	Cisco Packet Tracer	7 KB
9v1	7/30/2008 10:53 AM	Cisco Packet Tracer	5 KB
11_ccna	7/29/2008 11:40 PM	Cisco Packet Tracer	6 KB
12_ccna	7/29/2008 11:53 PM	Cisco Packet Tracer	6 KB
13_ccna	7/29/2008 11:58 PM	Cisco Packet Tracer	5 KB

18 items (Disk free space: 21.7 GB)

Computer

Q and A



