Presenter Demonstration Notes: PT Novice

This presentation is designed to demonstrate how instructors can begin using Packet Tracer in their classrooms. The format of the presentation allows the presenter to use both PowerPoint to show screenshots and then switch to a live session of Packet Tracer to perform the tasks illustrated. There are speaker notes for each slide that may be helpful when discussing the concepts on that slide. You might practice switching between these applications using Alt+Tab.

Slides 1 – 4 (Session Overview)

Set the stage for the presentation. Remember that the purpose of this demonstration is to give instructors a "use case" for Packet Tracer. By using a real classroom situation, instructors will be able to see how they can add Packet Tracer to their classroom toolkit.

Go through slides 1-4, setting the stage and adding information from the notes as desired.

Slides 6 – 13 (Creating and Arranging Devices)

Slides 6-13 show screen shots of device creation and offer some tips and tricks when creating devices. Go through slides 6-8 using the Speaker Notes as a guideline. After slide 13, switch to Packet Tracer and complete the following demonstration tasks:

- After slide 13, switch to Packet Tracer to a new workspace.
- Add the 3 devices shown in the topology: 1 router, 1 switch, and 1 PC.
- Demonstrate holding down the control key and adding multiple routers.
- Demonstrate using the Delete tool to remove the devices one at a time.
- Demonstrate dragging across multiple devices and clicking the Delete tool to remove multiple devices.
- Demonstrate using the Hand tool to move the entire topology.
- Make sure that when you finish these demonstrations that you are left with the target topology:



Slides 15 – 20 (Connecting Devices)

Demonstrate using the Smart Connection tool to create links between the devices. Go through these slides and then switch to your Packet Tracer file after Slide 20 and complete the following demonstration tasks:

- Click the Smart Connection button and click the router and then the switch. This will add a copper straight through connection between them.
- Click the Smart Connection again and click the switch and then the PC. This will create a copper straight through connection between them.
- Point out the red link lights between the router and the switch.
- Mouse over the links to point out how to determine which ports were used for the connection.
- Demonstrate changing the preferences to always show the port labels.
- Turn off the port labels.
- Make sure that your topology looks like this when these demonstrations are complete:



<u>Slides 22 – 29 (Configuring Devices)</u>

Slides 22 - 29 show screen shots with text overlays that demonstrate the steps involved in configuring various devices.

Demonstrate configuring the router:

- Click the router icon in the topology.
- Click the Config tab.
- Click the Settings link under the Global section.
- Type "GAD" in both text boxes for Display Name and Hostname.
- Point out that the topology now displays "GAD" for the router name.
- Point out that the equivalent IOS commands are displayed in the box below the GUI configuration screen.
- Click the FastEthernet link under the Interface section.
- Type in **192.168.1.1** for the IP address and tab to the Subnet Mask field. Point out that the default subnet mask is filled in by default.
- Point out the equivalent IOS commands in the lower window.
- Click the "**On**" checkbox for Port Status. Point out that the link lights turn green indicating that the link is up.

Demonstrate configuring the PC:

- Click the PC icon in the topology.
- Click the Config tab.
- Under Global Settings, enter the Gateway: **192.168.1.1**
- On the FastEthernet configuration page, enter the IP address and tab to accept the default subnet mask: **192.168.1.2** and **255.255.255.0**

Demonstrate adding notes to the topology:

- Click the Note tool and click near the router FastEthernet interface.
- Type in Fa0/0: 192.168.1.1/24 to give a visual cue for the IP address assigned on the interface.
- Click the note tool again and click near the PC.
- Type in IP: 192.168.1.2/24, hit the Enter key and then type GW: 192.168.1.1
- Click the note tool again and click to the left of the topology.
- Type in Network and hit the Enter key, then type 192.168.1.0/24

Add a Network Description

- Click the "I" icon in the upper right hand corner of the program screen.
- In the Network Description field, type:

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.

Demonstrate saving the router config and the file

- Click the router icon from the topology.
- Click the "Save" button next to NVRAM.
- Select File...Save from the menu bar.
- Save the file to a local folder with a descriptive name.

<u>Slides 31 – 33 (Test Connectivity)</u>

These slides demonstrate verification in Realtime mode using the PC's desktop command prompt and issuing a ping. Go through these slides, and then demonstrate the tasks using Packet Tracer.

Using the Packet Tracer file you have saved:

- Click the PC icon in the topology
- Select the Desktop tab.
- Click the Command Prompt icon.
- In the command window, type "ping 192.168.1.1"

<u>Slides 35 – 41 (Run a Simulation)</u>

These slides discuss using Simulation Mode and creating a graphical PDU to verify connectivity and examine packet characteristics. Go through each of the slides emphasizing the content on the slide and in the notes. Then demonstrate the tasks using Packet Tracer.

- Switch to Simulation Mode by clicking the tab in the lower right hand corner.
- Click the **Simple PDU** tool.
- Click the PC icon as the source.
- Click the router icon as the destination.
- Point out that the packet has been added to the PDU List and the Event List windows.
- Demonstrate selecting Edit Filters in the Event List Filter window. Discuss any additional packets that appear, such as ARP. (An ARP packet will accompany the ICMP packet if this simulation has not been run before.)
- Click the Show All/None check box to uncheck all boxes. Then click the checkbox to select ICMP in the Event List Filter.
- Click the Auto Capture/Play button to run the simulation.
- Describe the contents of the Event List window.
- Point out the green check mark on the packet when it reaches its final destination.

Demonstrate PDU Information

- In the **Event List** window select a packet from the list and click the colored icon for that packet.
- In the PDU Information window explore the OSI Model, Inbound and Outbound PDU details tabs.

<u>Slides 43 – 50 (Common Issues for Beginners)</u>

These slides show some common issues that new users might have with Packet Tracer. Go through the slides and discuss the content of each. Then demonstrate the key points.

- Open the Event List window and then click the "I" to view the Network Description window.
- Undock the Event List window by double-clicking the title bar. Drag them around and try to achieve optimum positioning.
- Dock the Network Description window by double-clicking the title bar.
- Close the Event List window by clicking the "x". Reopen the window by clicking the Event List link in the yellow bar below the workspace.

<u>Slides 52 – 55 (Helpful Resources)</u>

Slides 52-55 emphasize some resources for instructors to use to gain more information, share ideas and incorporate Packet Tracer into their classrooms. Some of these resources are available online through Academy Connection. Others are built into the program itself and are installed when the program is installed.

- Point out that the latest version of Packet Tracer is available for download from Academy Connection. It is currently on any CCNA Tools Page. Login to Academy Connection to illustrate the navigation path. (Practice navigating to the download page prior to the session.)
- Point out the other resources for PT on the CCNA Tools Page.
- While logged into AC, go to the Packet Tracer Forum and discuss how instructors can use this forum as a way to share ideas and files with each other. This is also the place where they would request enhancements and ask questions.
- Show the built in Help by clicking the "?" in the upper right hand corner. Explain that the Help should ideally be read in order.
- Navigate through the local Packet Tracer saved files and show the resources for each CCNA course.

Presenter Speaker Notes: PT Novice

Topic, Audience, Goal/Purpose of this PowerPoint presentation: This presentation is designed to demonstrate how instructors can begin using Packet Tracer in their classrooms. The format of the presentation allows the presenter to use both PowerPoint to show screenshots and then switch to a live session of Packet Tracer to perform the tasks illustrated. There are speaker notes for each slide that may be helpful when discussing the concepts on that slide. You might practice switching between these applications using Alt+Tab.
1. Who is the intended audience? Academy instructors; primarily related to CCNA content
 2. What is the intended learning environment for using these presentation materials? Remote; 60 minute session using WebEx or similar web conferencing tool and a conference call. These materials may be easily modified for use in an in-person environment.
 3. What is the goal/purpose of these materials? For academy instructors and those interested in learning how to begin using Packet Tracer in an Academy classroom Overview of the GUI Create and arrange devices Create connections Configure devices Add notes Use PC desktop applications Create a simple simulation The purpose of this demonstration is to give instructors a "use case" for Packet Tracer. By using a real classroom situation, instructors will be able to see how they can add Packet Tracer to their classroom toolkit.
4. Prior to the web conference session Send the handout to participants in advance of the training session. Have participants print out handout in advance. Demonstrate PT over WebEx while participants follow along with handout. Participants may then make notes on the handout during the session - or - If the participant has the available computers, they could have one logged into the WebEx session and the other they could use to practice using PT.
NOTE: This PPT and Speaker Notes were created by updating the "PT Novice" PPT and Presenter Notes. The updates are based on PT5.2 and higher (RC1) on July 20, 2009.
Slides 1 – 4 (Session Overview) Set the stage for the presentation. Go through slides 1-4, setting the stage and adding information from the notes as desired.



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Skills Demonstrated in this Session • Create & arrange devices • Create & arrange devices • Create connections • Configure devices • Addinates • Use PC desktop applications • Create & simple simulation	Slide 4 – Skills Demonstrated in this Session In this demonstration, we will use the most basic features of Packet Tracer. Like many software programs, PT has many more features than you might want to use at first. But, just like you can use Microsoft Word to do very basic word processing, you can use PT to configure very basic networks.
	Slide 5 – Creating and Arranging Devices
Creating and Arranging Devices	Slides 6 – 13 (Creating and Arranging Devices) Slides 6-13 show screen shots of device creation and offer some tips and tricks when creating devices. Go through slides 6-13 using the Speaker Notes as a guideline. After slide 13, switch to Packet Tracer for demonstration purposes.
Slide 5	
treate the Devices Treate the Devices	 Slide 6 – Create the Devices The large white space that opens by default is the workspace where you will create your topology. You can use the entire white space and can even scroll down and to the right to utilize a larger area. Since our topology is very small, we will use only the left portion of the screen. This will help us with workspace later when we are running a simulation. In this demonstration, we can use any of the routers listed. In other topologies, you may direct students to use specific router types, as you may need specific modules added to the devices.
Commo Tools	 Slide 7 – Common Tools The Common Tools Bar contains tools you will use regularly to interact with the work space: The Select tool is used to drag, highlight and select devices The Move Layout tool is used to move the workspace The Place Note tool is used to add notes or labels in the workspace The Delete tool is used to delete devices and links The Resize tool is used to change the size of devices in Physical View





20	Switch to Packet Tracer and complete the following demonstration
2620XM	tasks:
Router3	• In Packet Tracer, open a new workspace.
	• Add the 3 devices shown in the topology: 1 router, 1 switch, and 1
	PC.
	• Demonstrate holding down the control key and adding multiple
2050-24	routers.
Switch0	• Demonstrate using the Delete tool to remove the devices one at a
10° (Keta a Gerka ta G	time.
	• Demonstrate dragging across multiple devices and clicking the
	Delete tool to remove multiple devices.
	• Demonstrate using the Hand tool to move the entire topology.
PC-PT	• Make sure that when you finish these demonstrations that you are
PCO	left with the target topology:
	Slide 13 – Multiuser Cloud and New Laptop
	The Multiuser connection (Peer0 in the picture) can connect by
Muttiuser Gloud and New Laptop	TCP/IP to a Multiuser connection of another PT (Instance on a
3	different computer)
TCRIP	
THE REAL PROPERTY AND ADDRESS OF	
 The Multiuser connection (Pwort) in the picture) can connect by T05/0P to a Multiuser connection of another PT (instance) 	
on a different computer (
Slide 13	
	<u>Slides 15 – 20 (Connecting Devices)</u>
	Demonstrate using the Smart Connection tool to create links between the
	devices. Go through these slides and then switch to your Packet Tracer
Devices	The after Shue 20.
territoria de la companya de la comp	
Slide 14	









Add Notes	 Slide 27 – Add Notes Notes are helpful reminders of configuration settings. Notes can be added, moved and deleted from the topology just like devices.
	Slide 28 – Network Description
Network Description	 You can use the Network Description text box to enter a description for the current network or other helpful information. When the saved file is opened by a user, this information can be displayed and will help the user understand the topology. Clicking the "I" icon will show the window. Clicking the "x" will close the window.
	Slide 29 – Save Your Configurations and File
Save Your Configurations and File	 Router configs are lost if not saved when the router is powered off. PC configs are saved automatically. Packet Tracer files are saved with a .pkt ending. You can save the files anywhere on your computer or your network. Once saved, the file can be reopened and will contain all of the devices and configurations you entered.
Slide 29	

	Switch to your Packet Tracer file and complete the following
	demonstration tasks:
	Demonstrate configuring the router:
	Click the router icen in the tenelosy
	• Click the fouter icon in the topology.
	• Click the Config tab.
	• Click the Settings link under the Global section.
	• Type "GAD" in both text boxes for Display Name and Hostname
	 Define out that the ten allow new displays "CAD" for the router news.
	• Point out that the topology now displays GAD for the fouter name.
	• Point out that the equivalent IOS commands are displayed in the box
	below the GUI configuration screen.
	• Click the FastEthernet link under the Interface section.
	• Type in 192 168 1 1 for the IP address and tab to the Subnet Mask
	field. Doint out that the default subnet mask is filled in by default
	neid. Fornt out that the default subject mask is fined in by default.
	• Point out the equivalent IOS commands in the lower window.
	• Click the " On " checkbox for Port Status. Point out that the link
	lights turn green indicating that the link is up.
	Demonstrate configuring the PC.
	• Click the DC icen in the topology
	• Click the PC fcoil in the topology.
	• Click the Config tab.
	• Under Global Settings, enter the Gateway: 192.168.1.1
	• On the FastEthernet configuration page, enter the IP address and tab
	to accept the default subnet mask: 192.168.1.2 and 255.255.255.0
	1
	Demonstrate adding notes to the topology:
	• Click the Note tool and click near the router EastEthernet interface
	• Click the Note tool and click heat the fourier PastEthernet interface.
	• Type in Fa0/0: 192.168.1.1/24 to give a visual cue for the IP address
	assigned on the interface.
	• Click the note tool again and click near the PC.
	• Type in IP: 192.168.1.2/24 , hit the Enter key and then type GW :
	192,168,1,1
	 Click the note tool again and click to the left of the topology
	Temps in Network and hit the Enterplace there targe 102 1(0 1 0/24
	• Type in Network and nit the Enter key, then type 192.168.1.0/24
	Add a Network Description
	• Click the "I" icon in the upper right hand corner of the program
	screen.
	• In the Network Description field type
	This topology is the beginning of the larger topology we will build
	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.
	a contracted in the toward of the traction of the the the traction of the the traction of the the traction of
	The PC is connected to the network via a switch and has the next
	available IP address in the 197 168 1 0/24 network. It is configured to
	use the router's FastFthernet nort as the Cotowov
July 2008	pq 18 of 28
-	Demonstrate saying the router config and the file
	Click the router icen from the terrale are
	• Check the router icon from the topology.
	• Click the "Save" button next to NVRAM.

	Slide 30 – Verify Connectivity
Venity Connectivity	Slides 31 – 33 (Verify Connectivity) These slides demonstrate verification in Realtime mode using the PC's desktop command prompt and issuing a ping. Go through these slides, and then demonstrate the tasks using Packet Tracer.
Slide 30	
Deriving Connectivity * There are serveral ways to verify connectivity in Packet * There are serveral ways to verify connectivity in Packet * In Reatime mode, open a command power from the description Mode, create as you would in the description Mode, create as the you would in the description Mode, create as the you would in the description Mode, create as an ultiton that allows you be path to description Mode, create as the you would in the description Mode, create as the you would in the description with real equipment. * In Simulation Mode, create as the you would in the description with the device is processing the packet. Slide 31	 Slide 31 – 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 Verifying in Realtime Mode Under State State Slide 32	 Slide 32 – Verifying in Realtime Mode Click the PC icon in the workspace to open the PC options window. Select the Desktop tab. Click the Command Prompt icon to open a command prompt window from the PC.
Ping the Gateway	 Slide 33 – Ping the Gateway Remember that this is Realtime mode, so packets are processed in real time just as they are using real equipment.
	Switch to your Packet Tracer file and complete the following
	 demonstration tasks: Click the PC icon in the topology Select the Desktop tab. Click the Command Prompt icon. In the command window, type "ping 192.168.1.1"

	Slide 34 – Run a Simulation
	<u>Slides 35 – 41 (Run a Simulation)</u> These slides discuss using Simulation Mode and creating a graphical
Run a Simulation	PDU to verify connectivity and examine packet characteristics. Go
	through each of the slides emphasizing the content on the slide and in
	the notes. Then demonstrate the tasks using Packet Tracer.
Slide 34	
	Slide 35 – Simulation Mode
Simulation Mode	 Remember that in Simulation Mode, you can watch your network run at a slower pace, observing the paths that
	packets take and inspecting them in detail.
Dwith is True later files	
A-3 Married Married Street	
Slide 35	
	Slide 36 – Simulation Mode?
Simulation Mode?	Realtime Mode In Realtime Mode, your network is always
 Most of the work so far has been completed in the Reatime Mode. In Reatime Mode, your network is always running (ike a reat network) whether you pre- 	running (like a real network) whether you are working on
working on the retwork or not. Your configurations are created and modified in real time, and the retwork responds in real time.	the network or not. Your configurations are created and
 Simulation Mode is used to observe network traffic in a data/ed and controlled pace to observe the paths that packets take and inspect packets in detail. 	modified in real time, and the network responds in real
 Simulation Mode allows us to create and examine packats 	 Simulation Mode is used to observe network traffic in a
	detailed and controlled pace to observe the paths that
Slide 36	packets take and inspect packets in detail.
	Simulation Mode allows us to create and examine packets.
	Slide 37 – Create a PDU
Create a PDU	 The Add Simple PDU button is essentially a quick, graphical way to send pings
Statestan Deviation Devia	 You can send pings between devices that have at least
Gruns PDU ton	one interface with an IP address.
	 To send a ping, press the Add Simple PDU button (the
2 Descrites Reamon comes	cursor changes to a "packet" icon), click on the source
A+B REPORTED TO A DESCRIPTION OF THE REPORT	nings will only work if the devices have configured ports
Slide 37	 After you make the request, the source device will queue
	an ICMP or ARP packet (or both), which will be on standby
	until you press the Auto Capture/Play or
	Capture/Forward button. When you press one of these
	the ping process.

	Slide 38 – Event List
	 The Event List window records (or "captures") what
Event List	happens as your PDU propagates the network.
Tracende confragement's setter tracement as poor POU promovation the restory.	• If you filter out some type of PDUs on the Event List Filters.
1	they will not show up on the Event List. They are still in the
The Event Latter to Barriella and a familie	network: you just do not see them
The POUL Lative stere	The simulation runs more quickly because you will not see
	the filtered events, but all filtered PDUs still affect the
a - 3 Ministration () and a g	network
Slide 38	
	Slide 39 – Playing the Simulation
	 Auto Capture/Play will play the simulation from beginning
Playing the Simulation	to end.
CAREE AND CAPACITY	Capture/Forward will move the packet forward one hop at a
Itudoo to begin the strandon	time with each click of the Capture/Forward button.
a in the second	
THE DESCRIPTION OF	
Slide 20	
Silue 39	Clide 40 Depute
	Silde 40 – Results
Results	Packet tracer simulations do not run on a linear time
As the structure runs, events will be added to the list. These events, show the public table	scale. Time is determined by the events that occur. An
at such they dong the parts	event can be defined as any instance of a PDU that is
¥	generated in the network. The Event List keeps track of all
Reaction of the set of	such PDU instances and lists their information in various
and the second sec	
	Fields in the Event List:
Slide 40	• Visible: An "eye" icon in the field means that an event is
	happening at the current simulation time. Packets that are
	currently visible in the scenario animation will have this
	icon in the field.
	• Time : This field indicates the timeframe that the event
	occurred, relative to the last time the simulation scenario
	restarted. This field is also the simulation time index.
	 Last Device: This field indicates the packet's previous
	location.
	 At Device: This field indicates the packet's current
	location.
	 Type: This field indicates the packet type.
	Info: This field shows detailed information about the packet
	instance, broken up into each layer of the OSI model.



	Switch to your Packet Tracer file and complete the following
	demonstration tasks:
	• Switch to Simulation Mode by clicking the tab in the lower right
	hand corner.
	• Click the Simple PDU tool.
	• Click the PC icon as the source.
	• Click the router icon as the destination.
	• Point out that the packet has been added to the PDU List and the
	Event List windows.
	• Demonstrate selecting Edit Filters in the Event List Filter window.
	Discuss any additional packets that appear, such as ARP. (An ARP
	packet will accompany the ICMP packet if this simulation has not
	been run before.)
	• Uncheck all boxes except ICMP in the Event List Filter .
	• Click the Auto Capture/Play button to run the simulation.
	• Describe the contents of the Event List window.
	• Point out the green check mark on the packet when it reaches its
	final destination.
	Demonstrate PDU Information
	• In the Event List window select a packet from the list and click the
	colored icon for that packet.
	• In the PDU Information window explore the OSI Model, Inbound
	and Outbound PDU details tabs.
	Slide 42 – Common Issues for Beginners
	<u>Slides 43– 50 (Common Issues for Beginners)</u>
	These slides show some common issues that new users might have with
Common Issues for Beginners	Packet Tracer. Go through these slides and discuss the content of each.
	Then demonstrate the key points using Packet Tracer.
Slide 42	
	Slide 43 – I Do Not See My PDU!
	 If you filter out a specific type of PDU on the Event List
I Do Not See My PDU!	Filters, that PDU type will not show up on the Event List.
T Print March 1990	The PDUs are still in the network; you just do not see
-	them.
Toda an weeking the Toda and th	The simulation runs more quickly because you will not see
	the filtered events, but all filtered PDUs still affect the
	network.
Slide 43	

	Slide 44– I See PDUs I Did Not Create!
	 Note that while a simulation is playing, you may see
I See PDUs I Did Not Create!	packets that you did not create yourself. That is because
Co Hiteranan and	some devices can generate their own packets (such as
I BDFF	CDP packets) as the network runs
	 You can see what types of packets are being propagated
Charse Segueran inger weet	in the network by looking at its Type field in the Event List
And and a second s	You can choose to hide these packets from view by
	You can choose to nide these packets from view by
Slide 44	unchecking the appropriate filter in the Event List Filters
	menu.
	Slide 45 – My Pings Are Unsuccessful
	 Check the status of your "STP" before switching to
My Pings Are Unsuccessful	Simulation Mode. All switch ports should be green before
Check, the stakes of your "STF"	entering Simulation Mode.
Begreenbeise miteing a Bergreenbeise miteing a	• The amber link light indicates that a port is in a "blocking"
Vicu non meet to send the behavior	state (set by the Packet Tracer Laver 2 Loop Breaking
Bio celosing. Pourie Cure de La companya de la comp	Protocol). You must either wait for the link lights to turn
	green in Realtime mode, or play the simulation for the loon-
dell' familie dell'Anno dell'Anno dell'Anno della dell	breaking process to complete
Slide 45	 You may need to reset the network by clicking Power
	Cycle Devices. But make ours your device configurations
	cycle Devices. But make sure your device configurations
	Ale Saveu IIISt!
	Side 40- Where is the Event List Window?
Where is the Event List Window?	Students may accidentally close the Event List window
	when arranging their workspace. The Event List window
The Event Latron to togged using the Event Latron to togged	can be displayed by selecting the Event List link in the
*	yellow band near the bottom of the window.
The second se	
Slide 16	
Slide 40	Slide 47 Where Did My Tapology Co2
	Silde 47 - Where Did My Topology Go?
Where Did My Topology Go?	• To minimize the visual clutter, you can arrange popup and
CONCERNMENT OF THE OWNER OWNER OF THE OWNER OWNE	sub-windows in various ways.
Distance Distance and a way	Many windows can be docked to or undocked (floated) in
	the workspace.
Windows our Britter and the down of any the Star	You can drag floating windows (by their title bar) and dock
Disatre blok to dock or antrock Grys undocked, wiedows can be rivored anound in the applicit an weighte.	them by double-clicking the title bar.
Call Be "Floring	 To undock a window, drag the window by its docked title
Slide 47	bar and move it out of the workspace edge to anywhere on
	your screen.

Aranging Windows	 Slide 48 – Arranging Windows Some more hints regarding docking and undocking windows: In a docked position, a window's title bar is unnamed; the window may be at the top or left border. Use the window's Close button (x) as a hint to where the title bar is. You can double click a window's title bar to quickly toggle between the docked or undocked state.
Multiple Device Windows Image: Contract of the second se	 Slide 49 – Multiple Device Windows PT4.1 or greater supports multiple device windows open simultaneously. Notice in this slide there are two device windows open and visible simultaneously and they are independent of the main PT frame. Pop-up windows are now treated as independent windows so you can place them anywhere on the desktop. You can maximize and minimize windows by clicking the buttons in the Task Bar or by using the <Alt><Tab> key combination. You can have as many windows open as you need
Where is the Activity Instructions Window? Image: Contract of the Activity Instructions Window? Slide 50	 Slide 50 – Where is the Activity Instructions Window? Due to the feature of independent windows in PT, you may lose track of various windows. Remember you can maximize and minimize windows by clicking the buttons in the Task Bar or by using the <Alt><Tab> key combination. In this slide, you see a screenshot of a Packet Tracer Activity launched from CCNA 1 Exploration 4.0. In a PT4.1 or greater Activity (a .pka file), it is not possible to close the Activity Instructions window. When you click on the Close button of the Activity Instructions window. When you click on the Close button of the Activity Instructions window, the window is minimized in the Task Bar. To maximize the window again, click on the PT Activity button in the Task Bar.
	 Switch to your Packet Tracer file and complete the following demonstration tasks: Open the Event List window and then click the "I" to view the Network Description window. Undock the Event List window by double-clicking the title bar. Drag them around and try to achieve optimum positioning. Dock the Network Description window by double-clicking the title bar. Close the Event List window by clicking the "x". Reopen the window by clicking the Event List link in the yellow bar below the workspace.

	Slide 51 – Helpful Resources
Hepful Resources Slide 51	 Slides 52 – 56 (Helpful Resources) Slides 52-56 emphasize some resources for instructors to use to gain more information, share ideas and incorporate Packet Tracer into their classrooms. Some of these resources are available online through Academy Connection. Others are built into the program itself and are installed when the program is installed. Point out that the latest version of Packet Tracer is available for download from Academy Connection. It is currently on the Academy Home Page and any CCNA Tools Page. Login to Academy Connection to illustrate the navigation path. (Practice navigating to the download page prior to the session.) Point out the other resources for PT on the CCNA Tools Page. While logged into AC, go to the Packet Tracer Forum and discuss how instructors can use this forum as a way to share ideas and files with each other. This is also the place where they would request enhancements and ask questions. Show the built in Help by clicking the "?" in the upper right hand corner. Explain that the Help should ideally be read in order. Navigate through the local Packet Tracer saved files and show the
	resources for each CCNA course. Slide 52 – Download the Latest Version & Activities
Download the Latest Version Image: Constraint of the latest Version Image: Constraint of the latest Version	 Packet Tracer can be downloaded from Academy home page or from the Course Tools tab of any of the CCNA Tools Pages. The Packet Tracer support materials can be downloaded from the Course Tools tab of any of the CCNA Tools Pages. Scroll down to the bottom of the page to the Course section. The Packet Tracer .exe file along with relevant documents like the PT activity source files for that course can be found there.



