

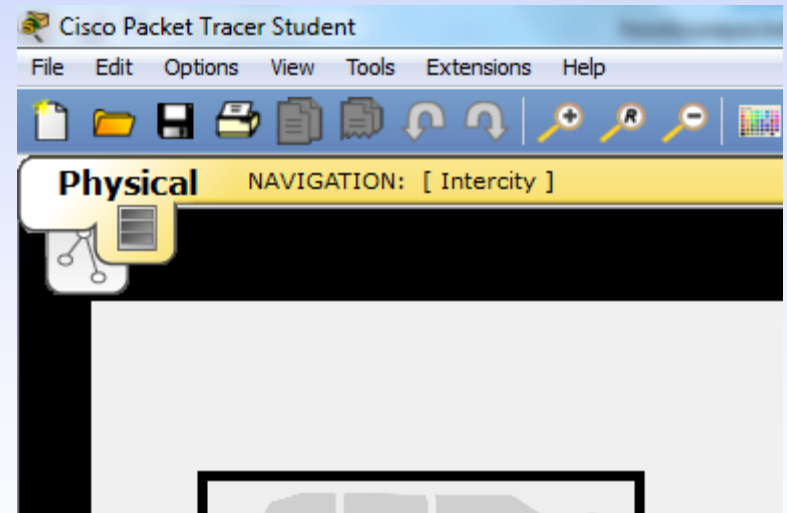
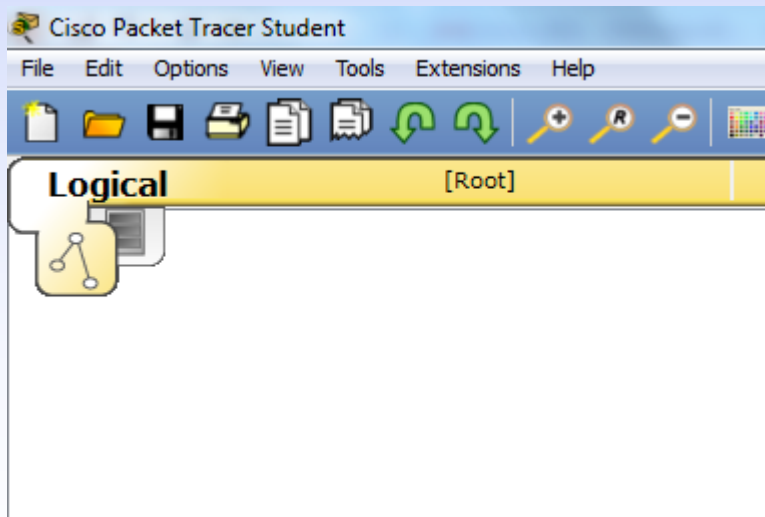
# How to Use Packet Tracer

# What is Packet Tracer

- Packet Tracer is a program used to illustrate how computer networks work

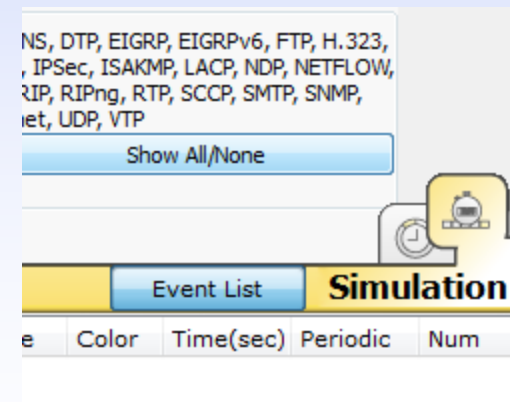
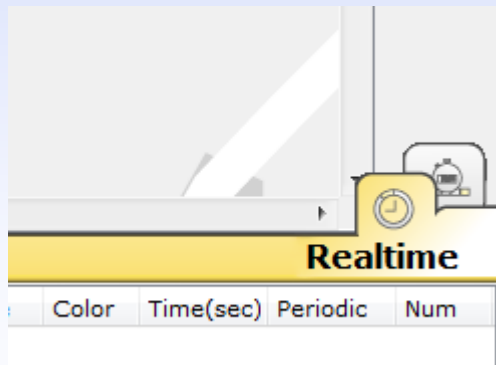
# Packet Tracer has two different views

- Logical Workspace
- Physical Workspace



# It has two modes of operation

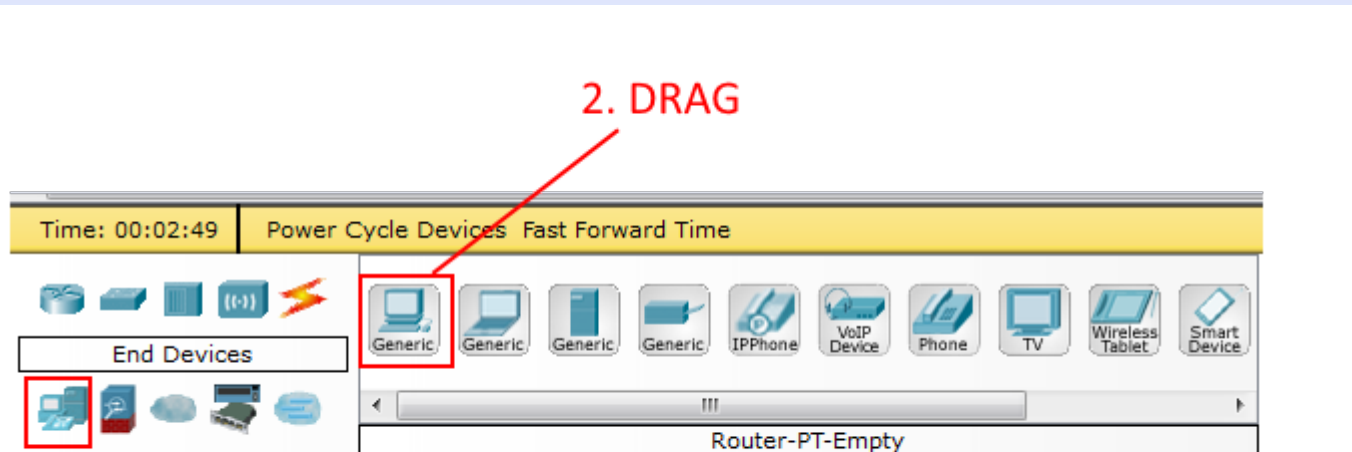
- Realtime Mode
- Simulation Mode



# Sample Network Simulation

To add a PC onto the workspace:

- Select End Devices
- Drag [Generic] onto workspace

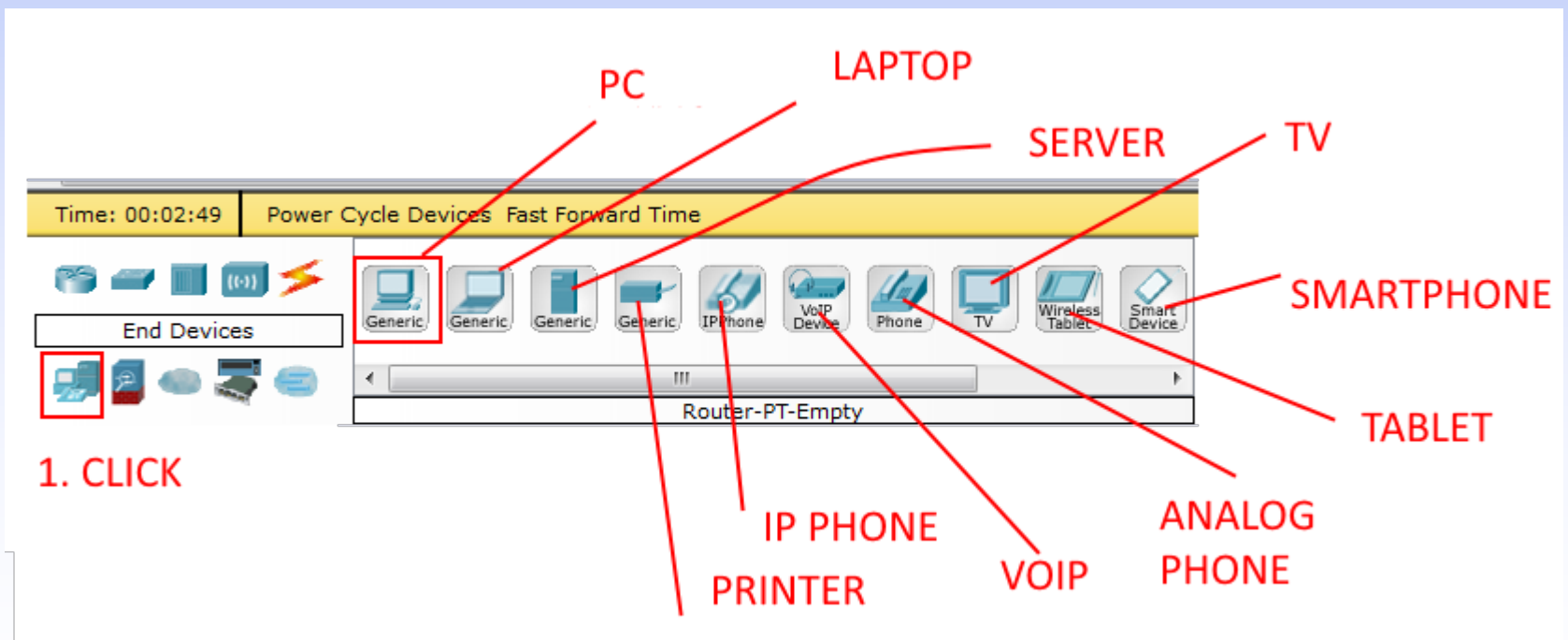


1. CLICK

2. DRAG

# Sample Network Simulation

Under End Devices, these are the following devices available:



# Sample Network Simulation

- Click [PC1]
- Click [Config]
- Change Display Name to “ITE CW”
- Under Interface, click on FastEthernet and set the IP address as 192.168.1.1 (not IPv6)

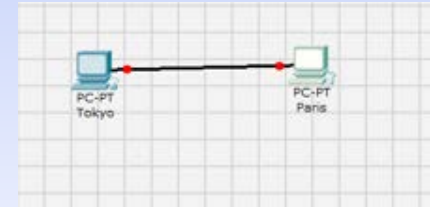
# Sample Network Simulation

- Make sure that the Port Status is on
- Drag another PC to the workspace, name it ITECE and set its IP address as 192.168.1.2
- Set Status on



# Sample Network Simulation

- Under Connections, select the Copper Straight-through cable, the solid black line, and make a **Fast Ethernet** connection between the PCs
- The red lights on the link indicate that the connection is not working; could be wrong cable

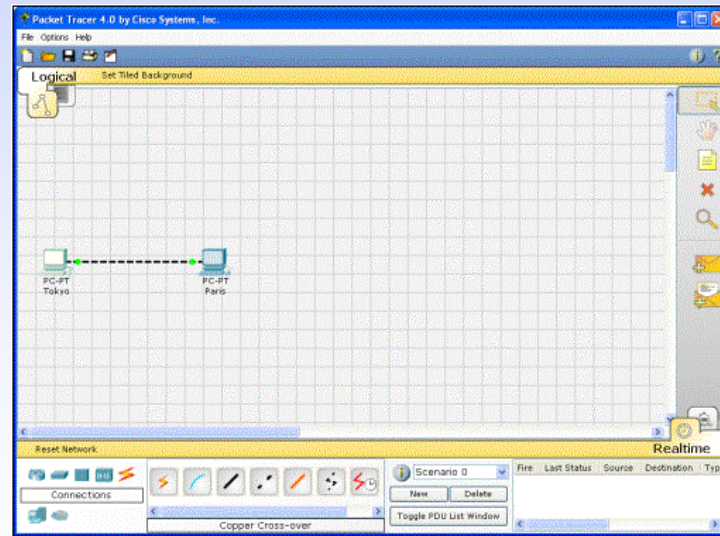


- Now, using the Delete tool, remove the Copper Straight-through cable
- use a Copper Cross-over cable instead



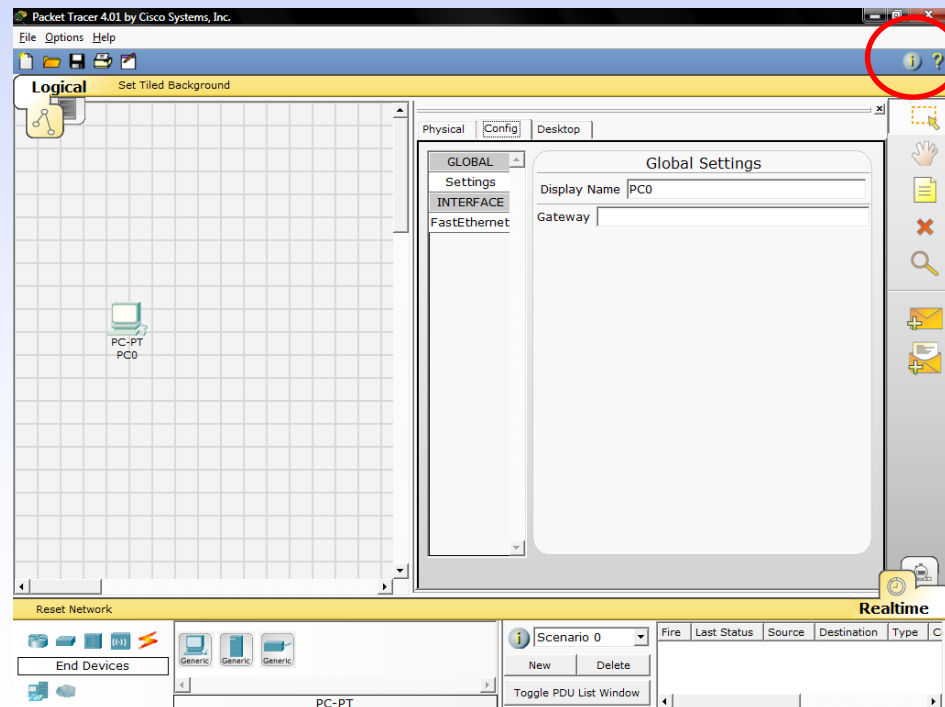
# Sample Network Simulation

- The lights should turn green at this point,
- if you mouse over or hover over either PC, you'll see the link status indicated as up



# Sample Network Simulation

- Reposition your network devices by dragging them
- Add an overall network description by using the **i** button on the upper right corner

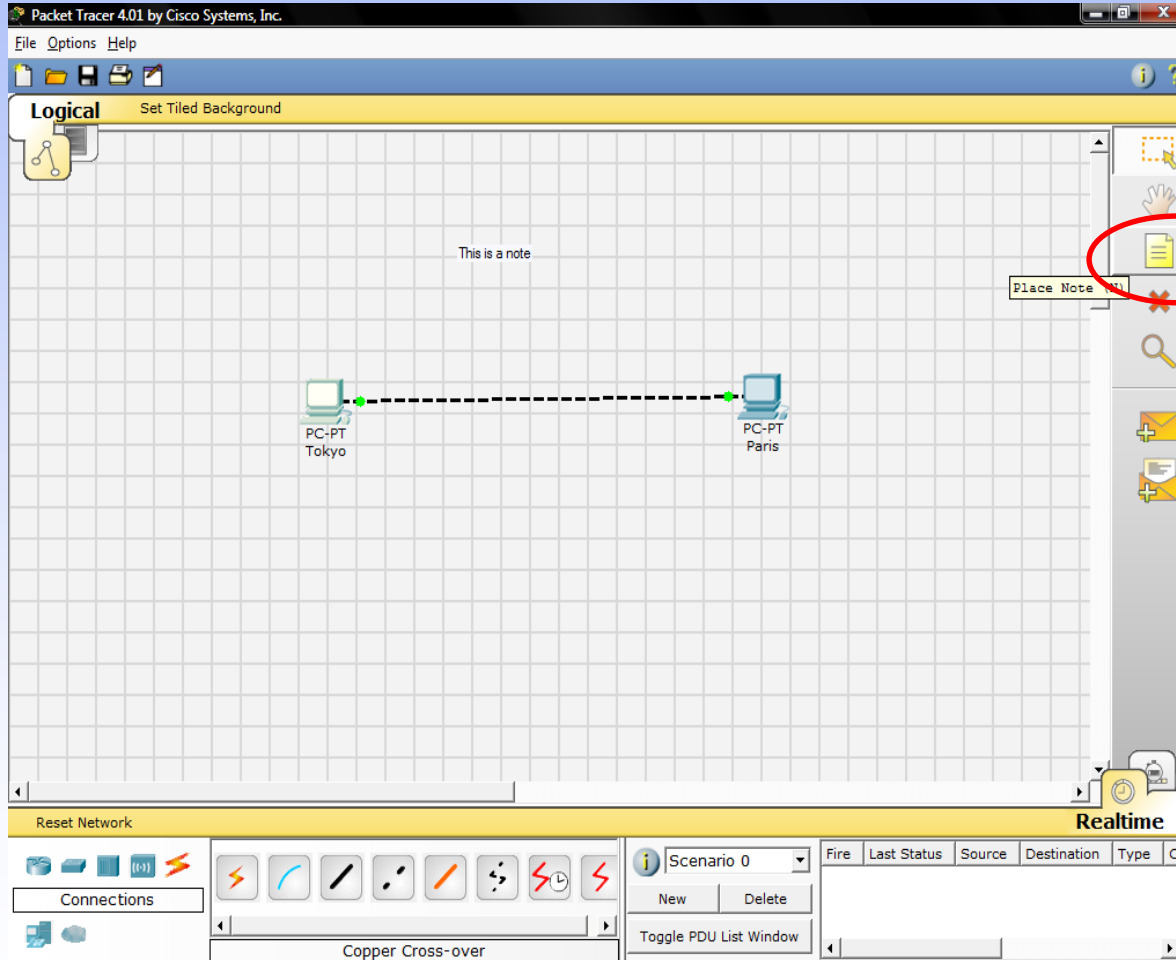


# Sample Network Simulation

The screenshot displays the Packet Tracer 4.01 interface. The main workspace is in 'Logical' mode, showing a grid with a single PC-PT device labeled 'PC0'. The right-hand panel is open to the 'Config' tab, showing 'Global Settings' for the selected device. The 'Display Name' field is set to 'PC0' and the 'Gateway' field is empty. A red circle highlights the 'Place Note' tool icon in the right-hand toolbar. The bottom of the interface shows the 'Realtime' mode with a toolbar containing 'End Devices' and 'Generic' icons, and a 'Scenario 0' dropdown menu.

add some text labels  
on the logical  
workspace by using  
the Place Note tool

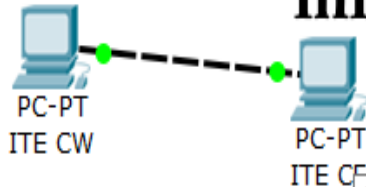
# Sample Network Simulation



add some text labels on the logical workspace by using the Place Note tool

# Sample Network Simulation

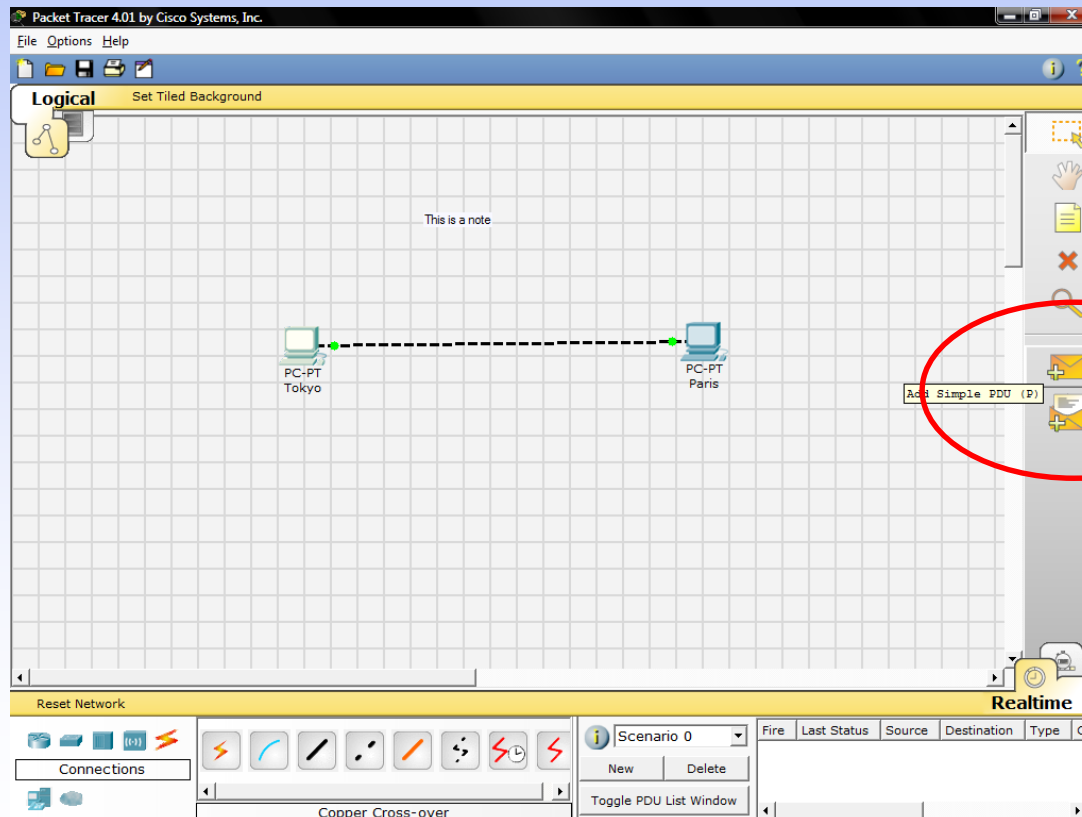
Mouseover a device to get more information



Port	Link	IP Address	IPv6 Address	MAC Address
FastEthernet0	Up	192.168.1.2/24	<not set>	0030.F2E2.B453
Gateway: <not set>				
DNS Server: <not set>				
Line Number: <not set>				
Physical Location: Intercity, Home City, Corporate Office				

# Sample Network Simulation

- Use the Add Simple PDU tool



# Sample Network Simulation

- To use the Add Simple PDU tool
  - Click on it
  - Click on the first PC
  - Click on the second PC

Nothing seems to happen.

Go to Simulation Mode to see the PDU

Click [Play/Capture] to start simulation



# Sample Network Simulation

The screenshot shows the Packet Tracer 4.01 interface. The main workspace is a grid with a note that says "This is a note". Two PC-PT devices are placed on the grid: one labeled "Tokyo" and one labeled "Paris". A dashed line with green arrows at both ends connects the two devices, representing a network connection. The interface includes a menu bar (File, Options, Help), a toolbar with various icons, and a Realtime console window at the bottom right. The Realtime console window is circled in red and contains the following information:

Fire	Last Status	Source	Destination	Type	C
	Successful	Tokyo	Paris	ICMP	