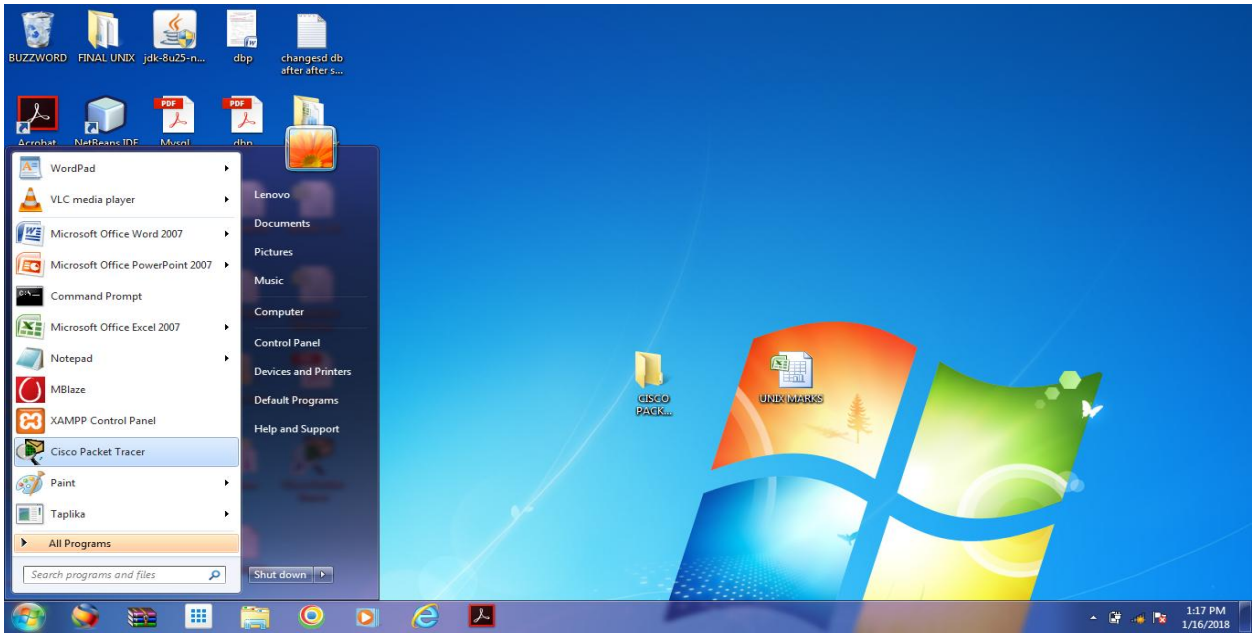
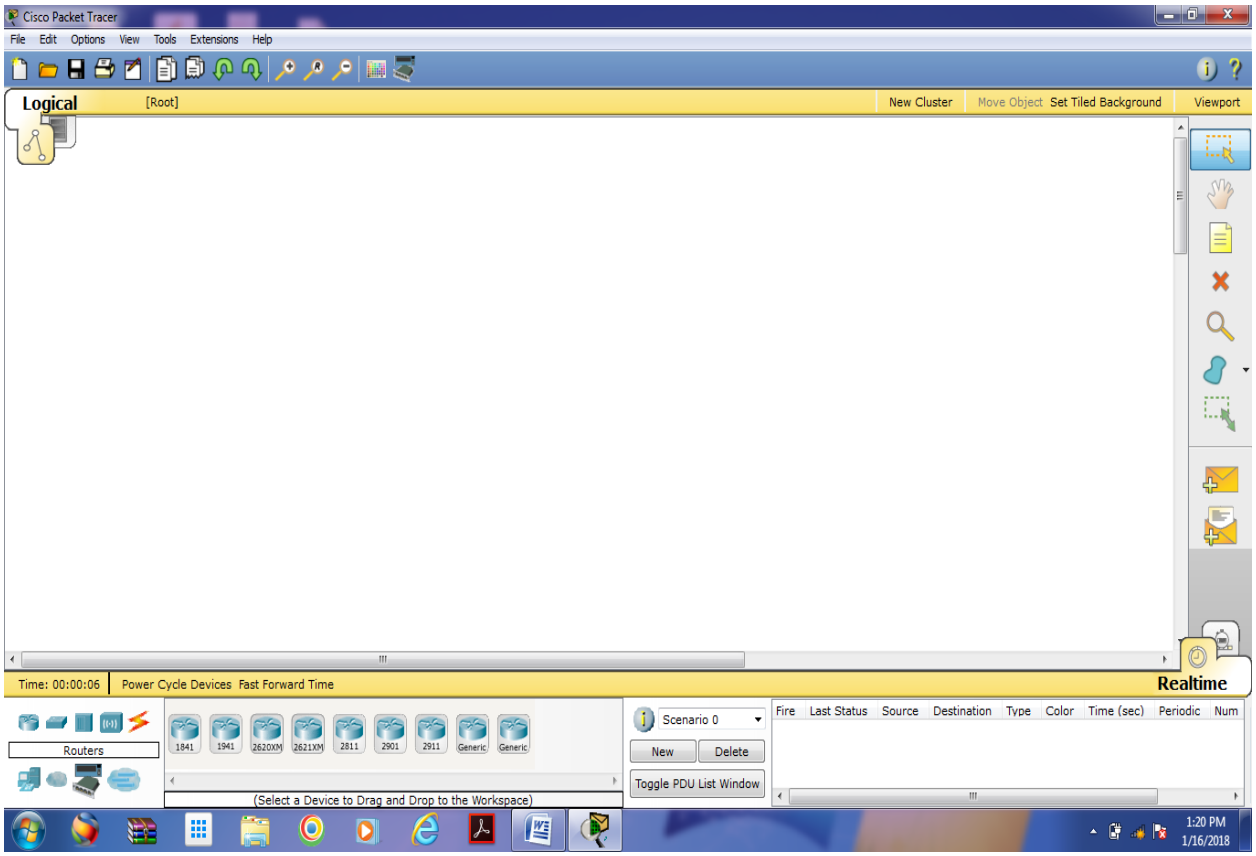
BASIC OF CISCO PACKET TRACER

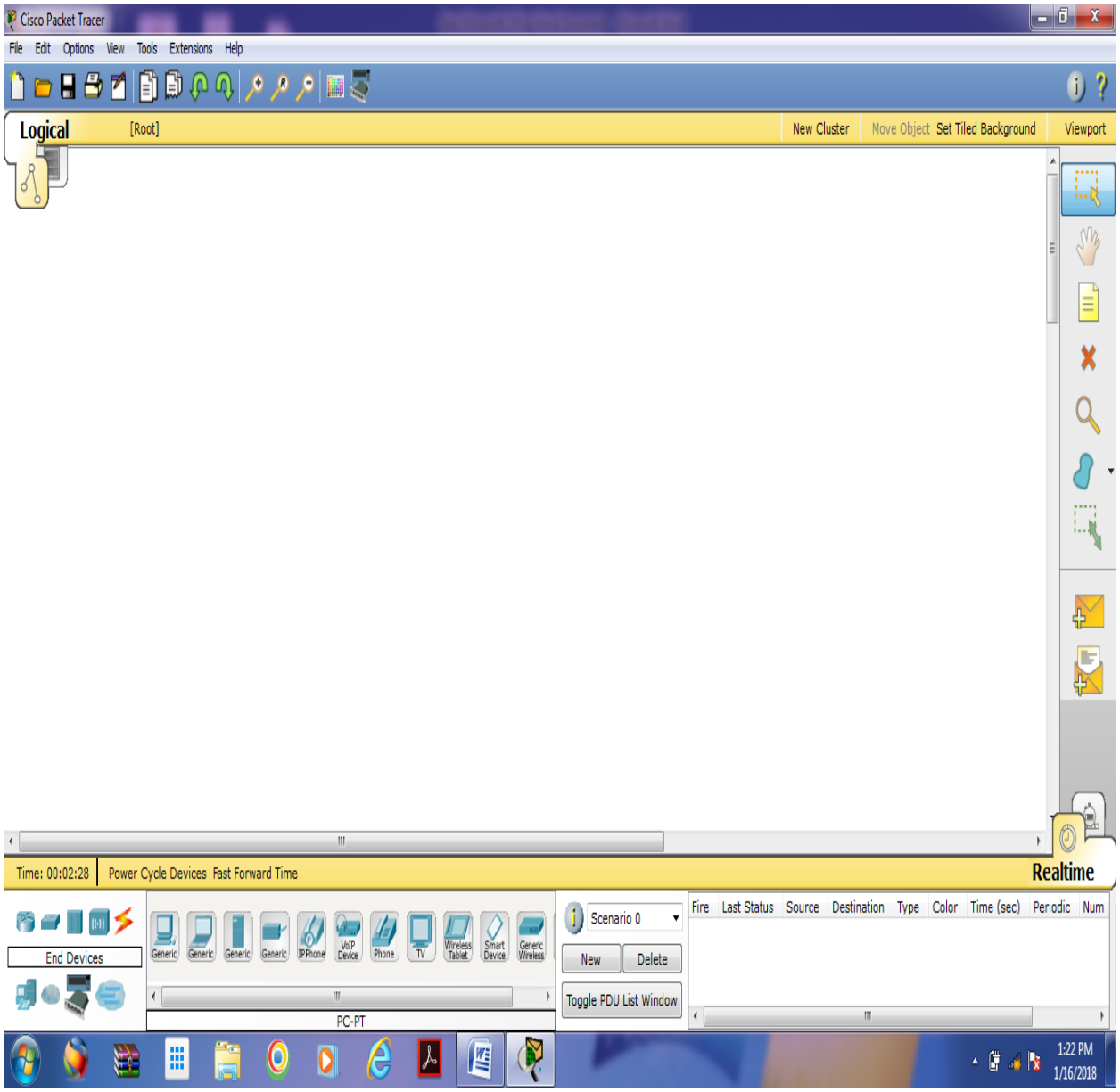


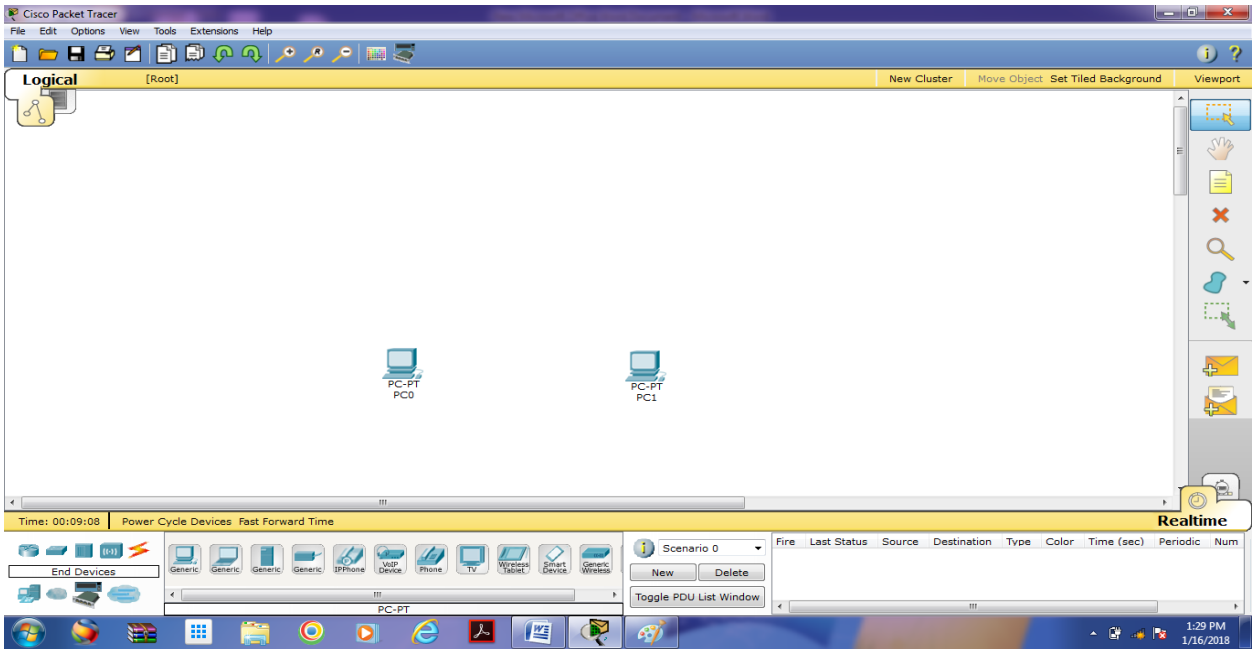
START -> Cisco Packet Tracer



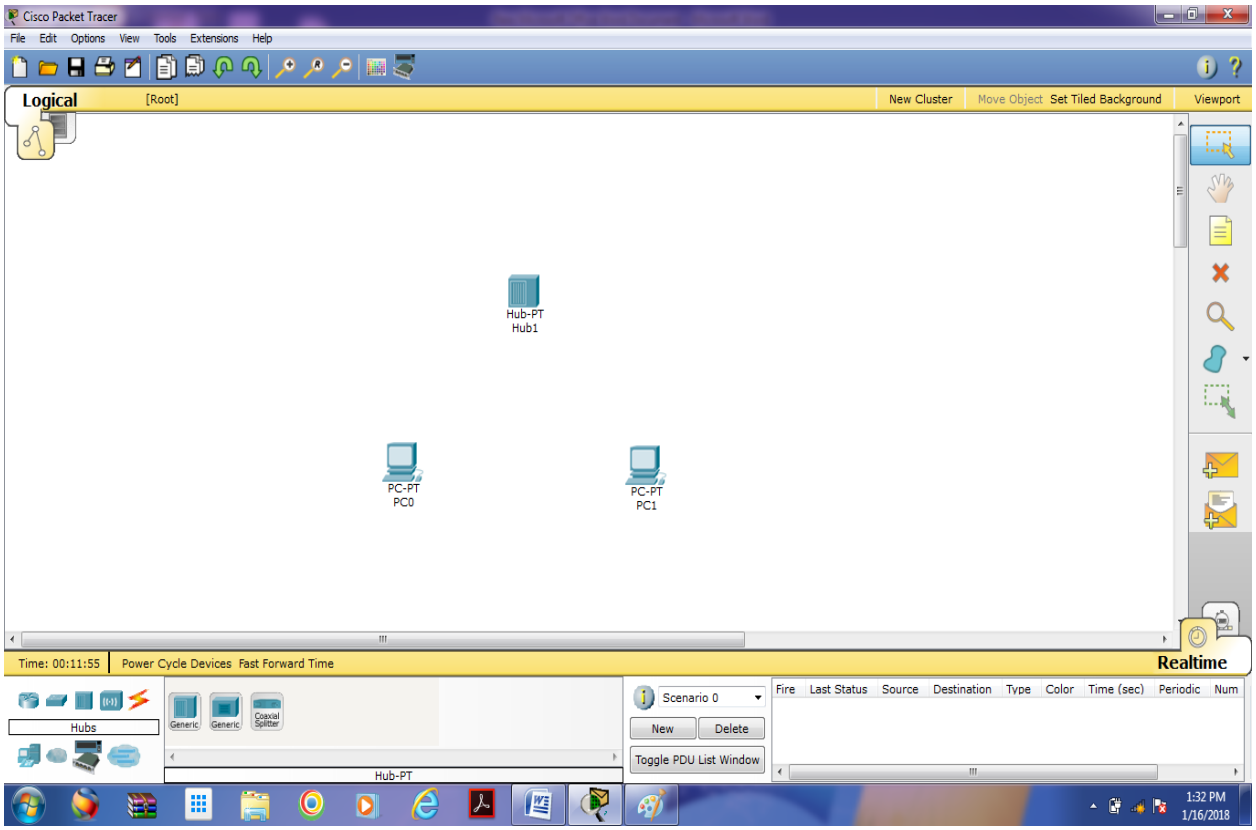
AT BOTTOM : END DEVICES (Ctrl+Alt+V), HUBS (Ctrl+Alt+U), ROUTERS (Ctrl+Alt+R), SWITCHES (Ctrl+Alt+S),CONNECTIONS (Ctrl+Alt+O)

END DEVICES :



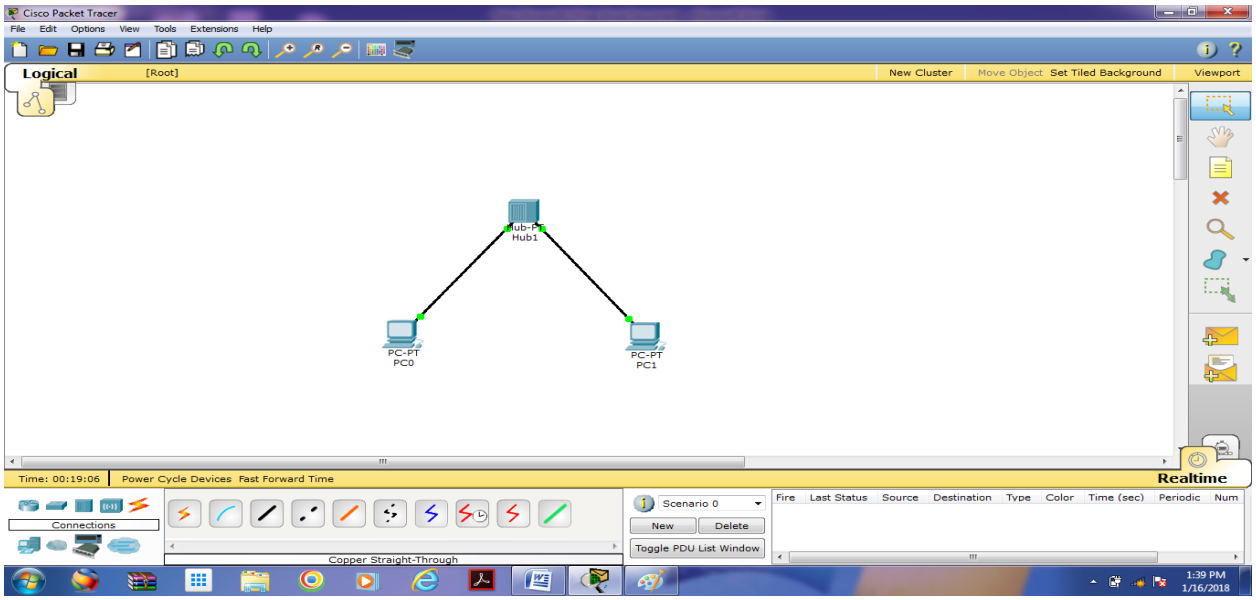


Go to END DEVICES (AT BOTTOM) -> DRAG AND DROP **Generic DESKTOP(i.e PC-PT)** IN DRAWING AREA



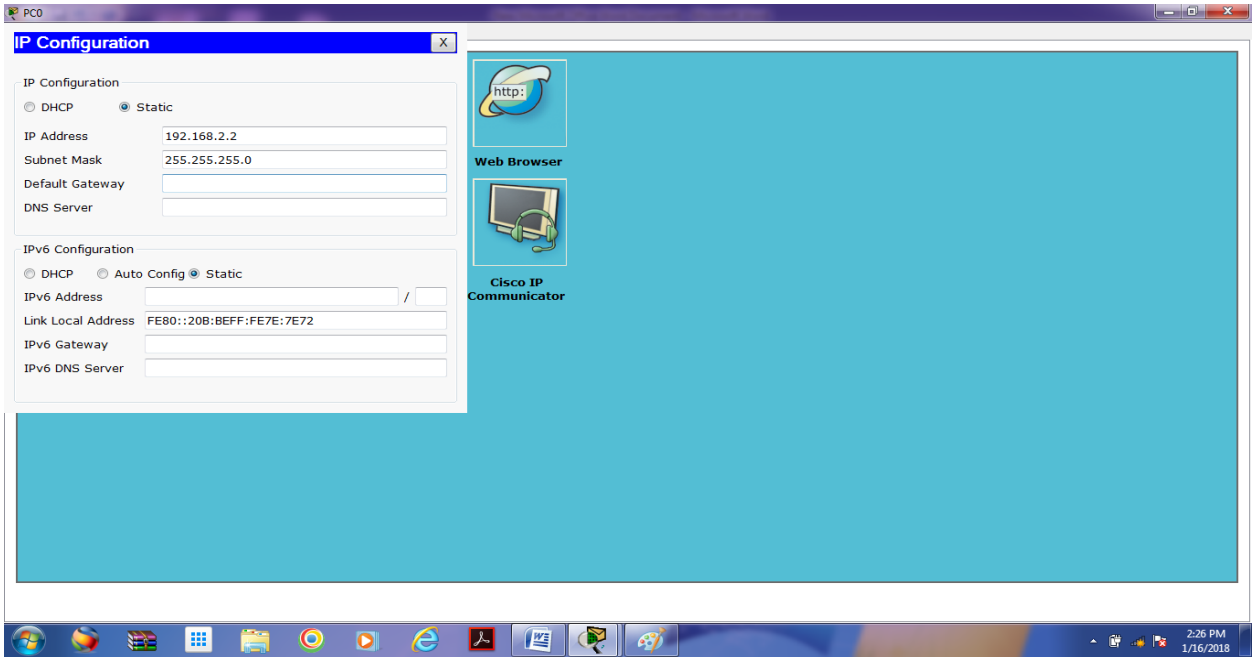
Go to Hubs (AT BOTTOM) -> DRAG AND DROP **Generic HUB(HUB-PT)** IN DRAWING AREA

FOR CONNECTIONS : 2 LINKS: Go to Connections (AT BOTTOM) -> DRAG AND DROP Copper-Straight-Through .Click on PC0 to Hub1 . Go to Connections (AT BOTTOM) -> DRAG AND DROP Copper-Straight-Through .Click on PC1 to Hub1

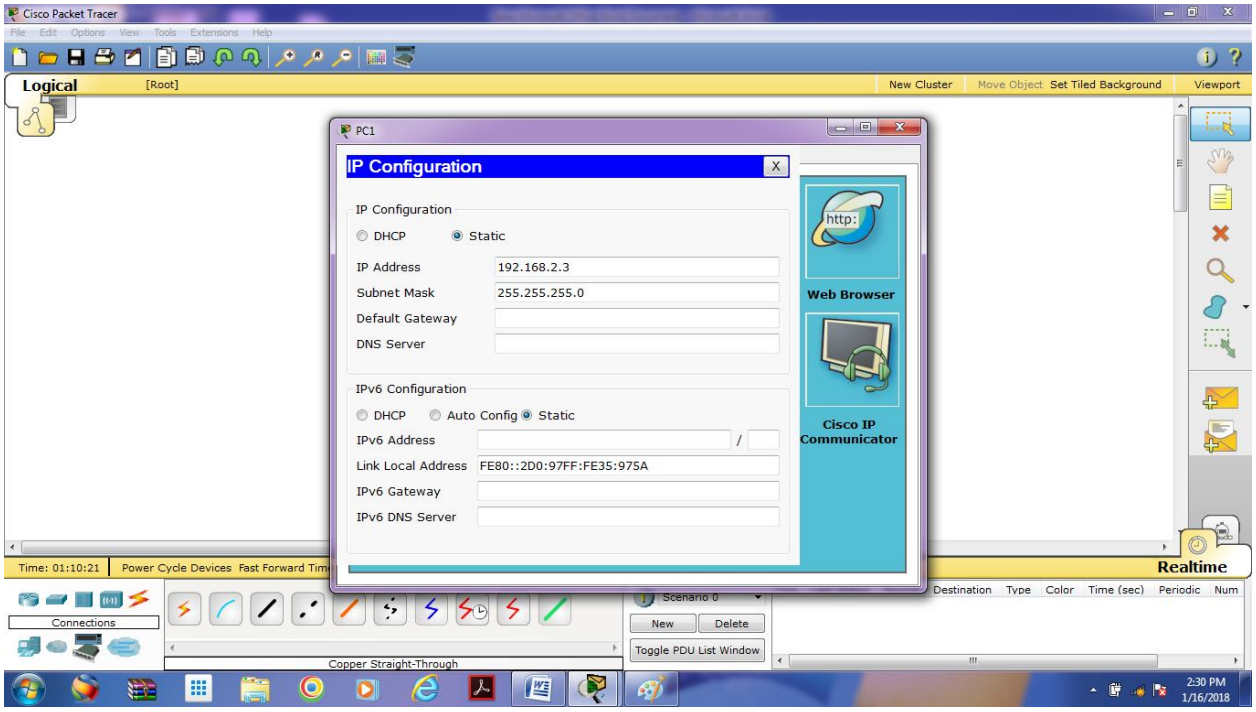


FOR IP CONFIGURATION: CLICK ON PC0-> CLICK ON DESKTOP ->CLICK ON IP CONFIGURATION

TYPE IP ADDRESS: 192.168.2.2



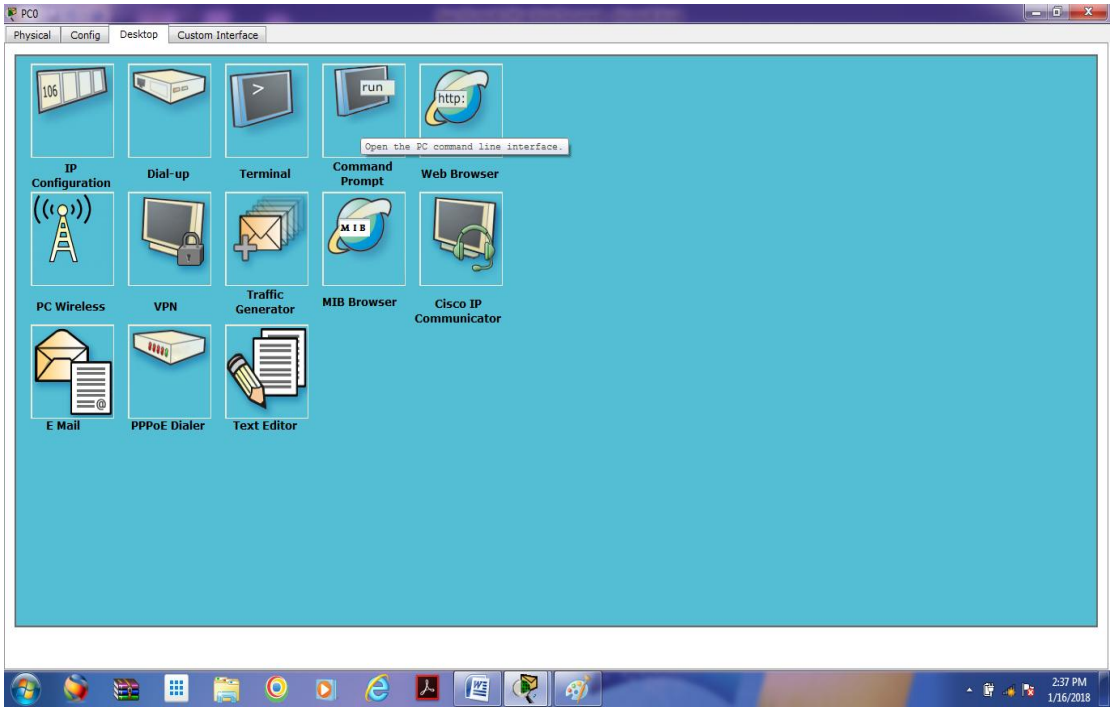
REPEAT THE STEP FOR PC1

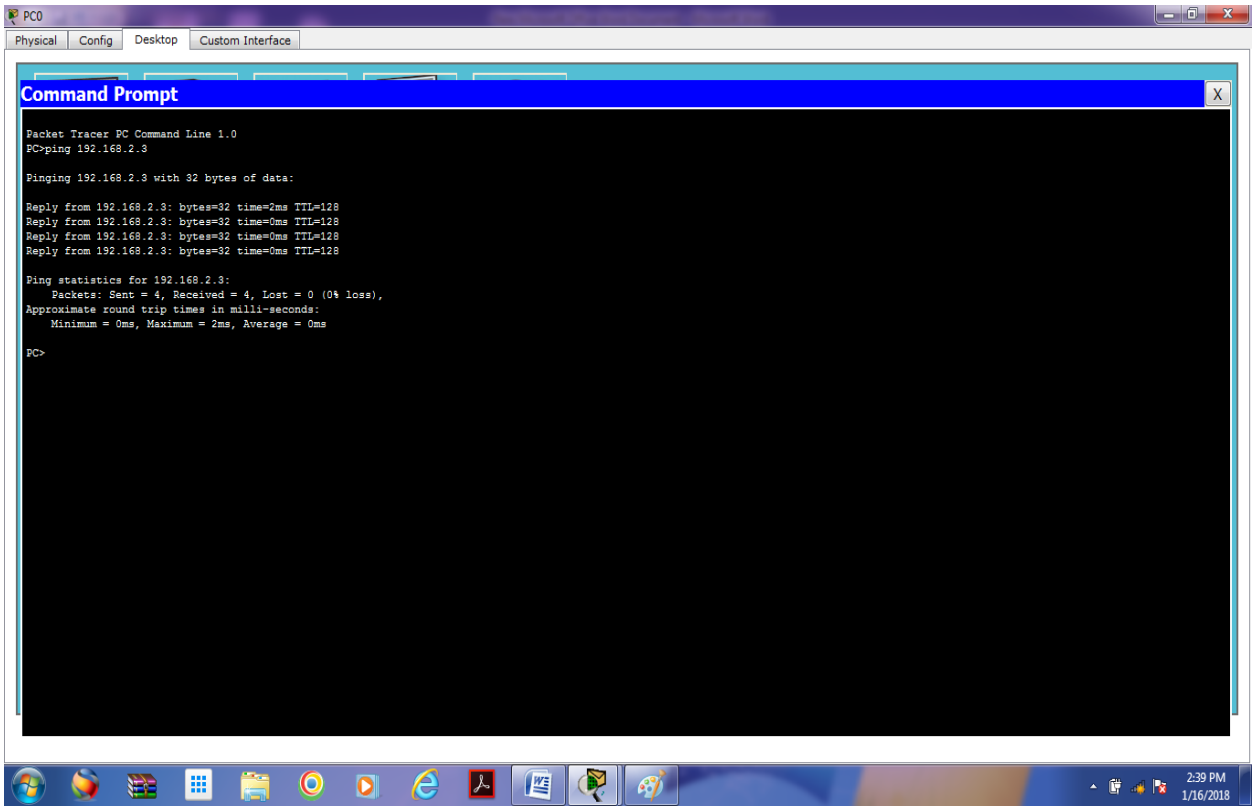


TO PING (PC0 -> PC1) using COMMAND PROMPT IN CISCO PACKET TRACER

1) CLICK ON PC0 -> DESKTOP -> COMMAND PROMPT

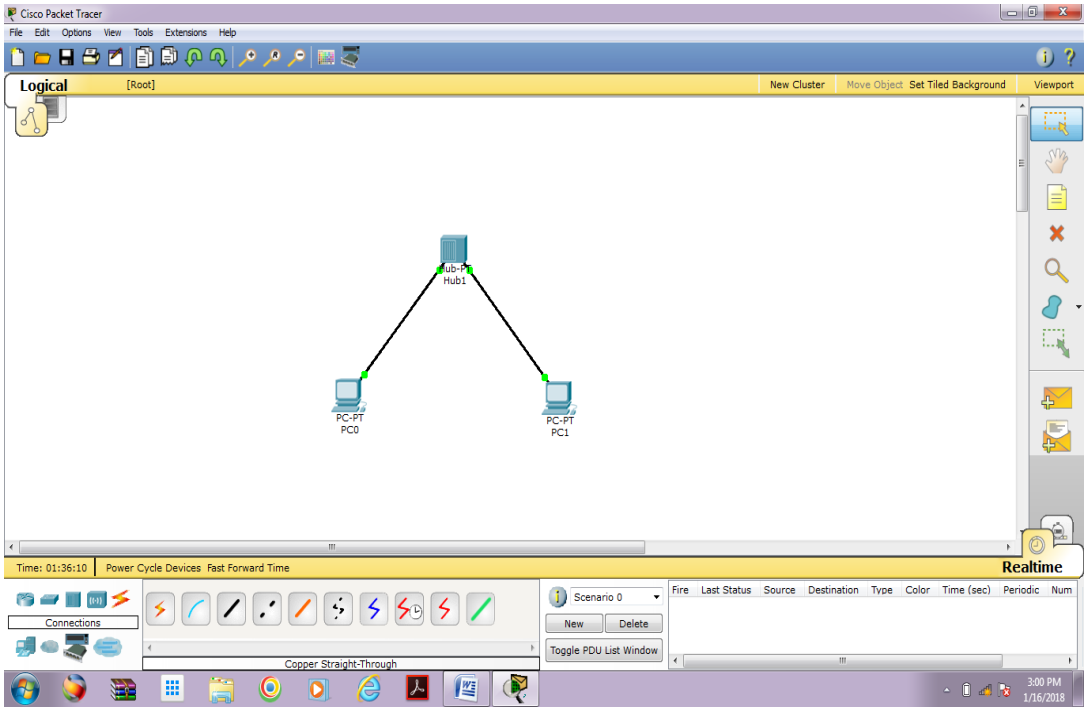
2) ping 192.168.2.3 (REPLY PACKET(4) times)
conclude PC1 device is reachable



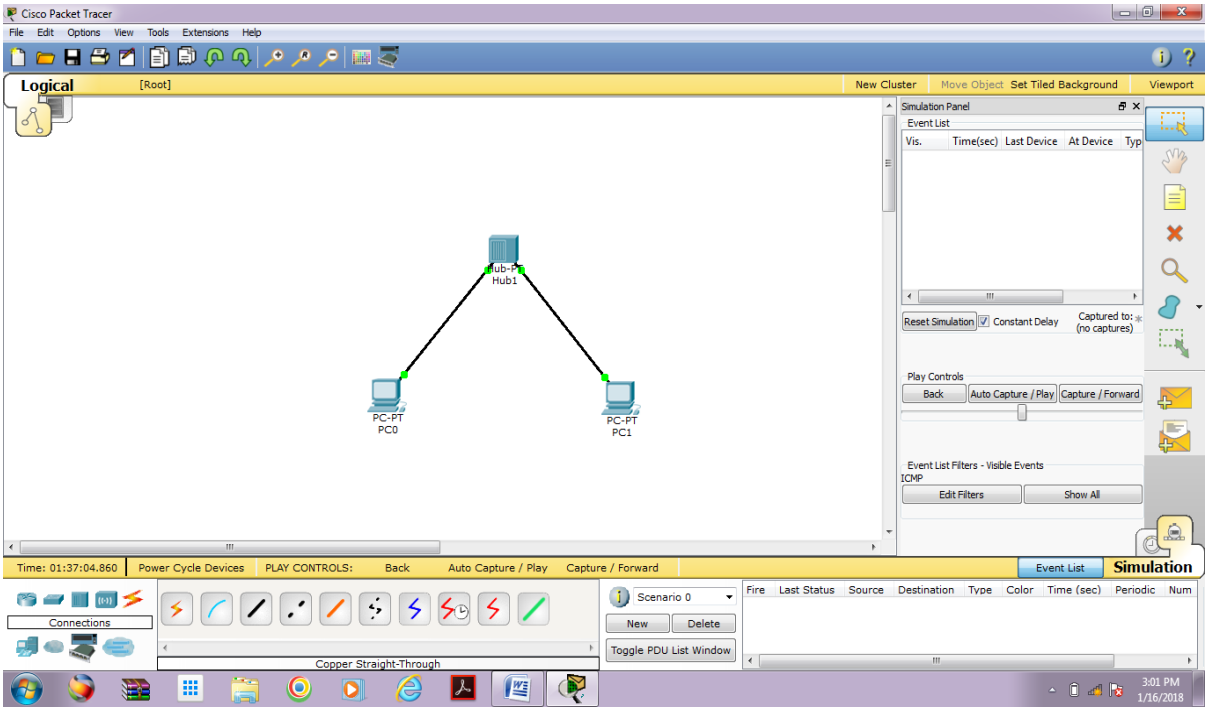


ICMP PACKET SIMULATION: 2 mode are present

1) RealTime Mode 2) Simulation Mode



Realtime

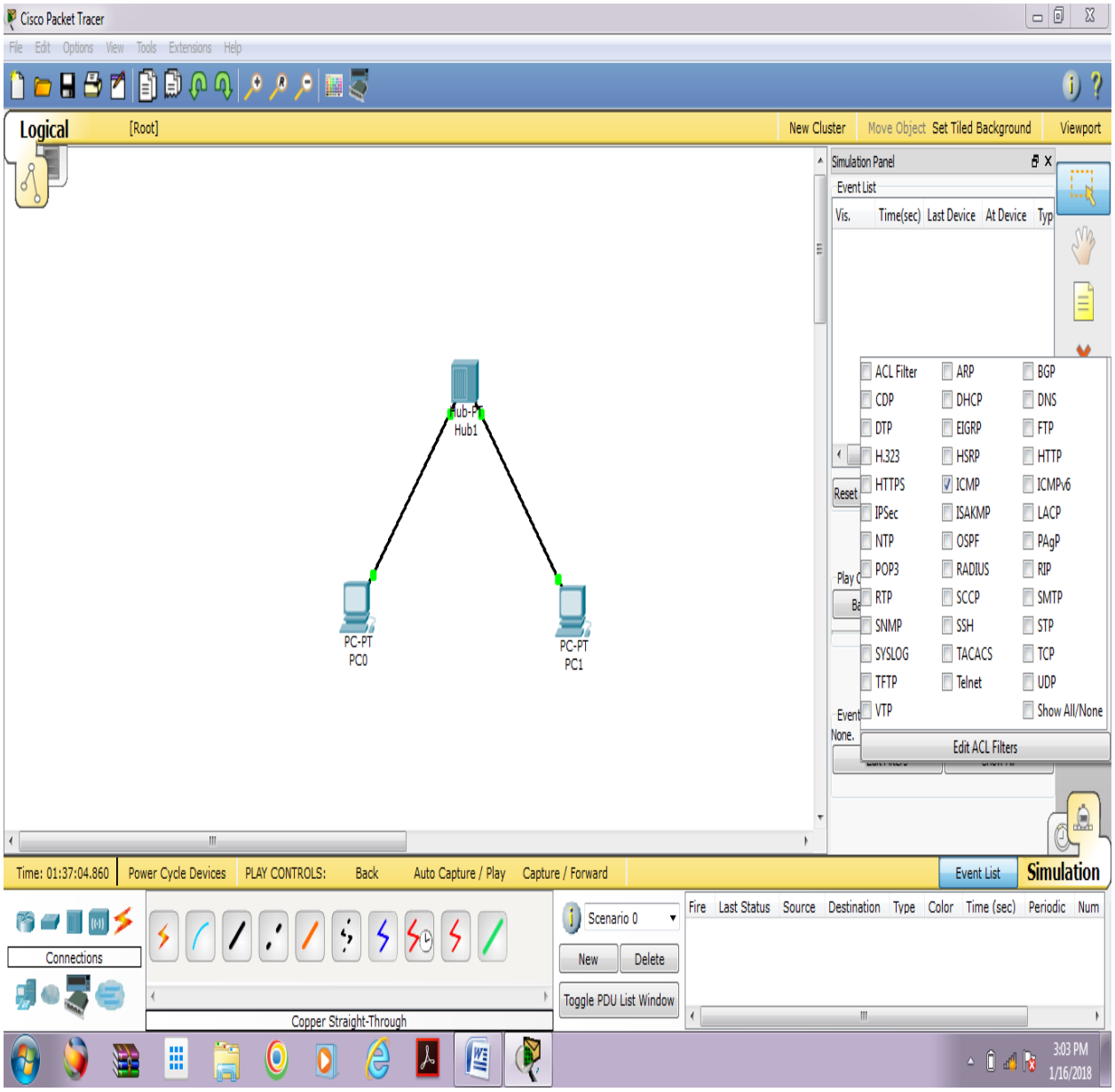


Simulation Mode

STEPS 1) Simulation Mode -> Edit Filters-> click on **ICMP**

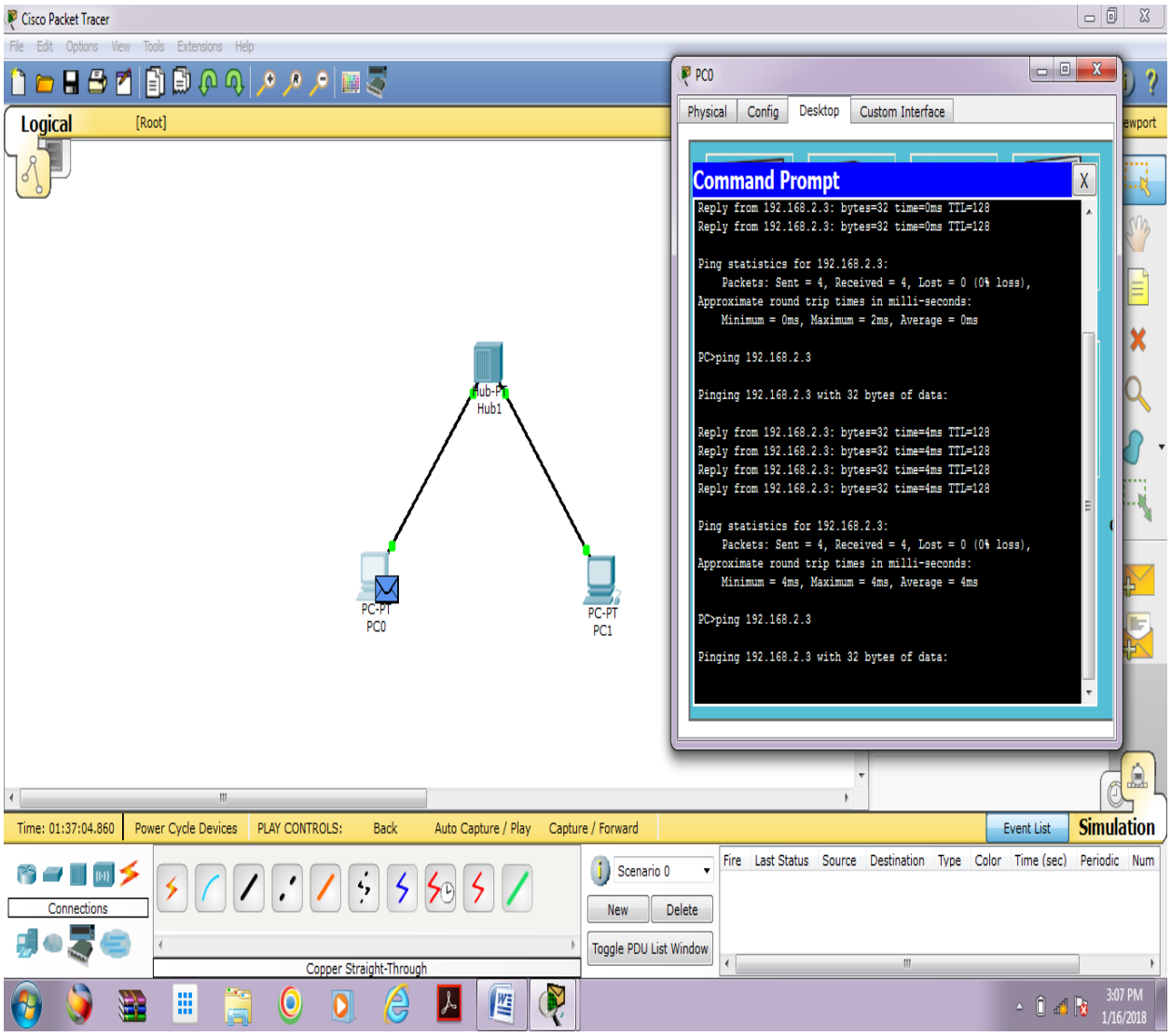
2) **Click on PC0 -> Desktop->Command Prompt -> ping 192.168.2.3(Press ENTER(minimize it))**

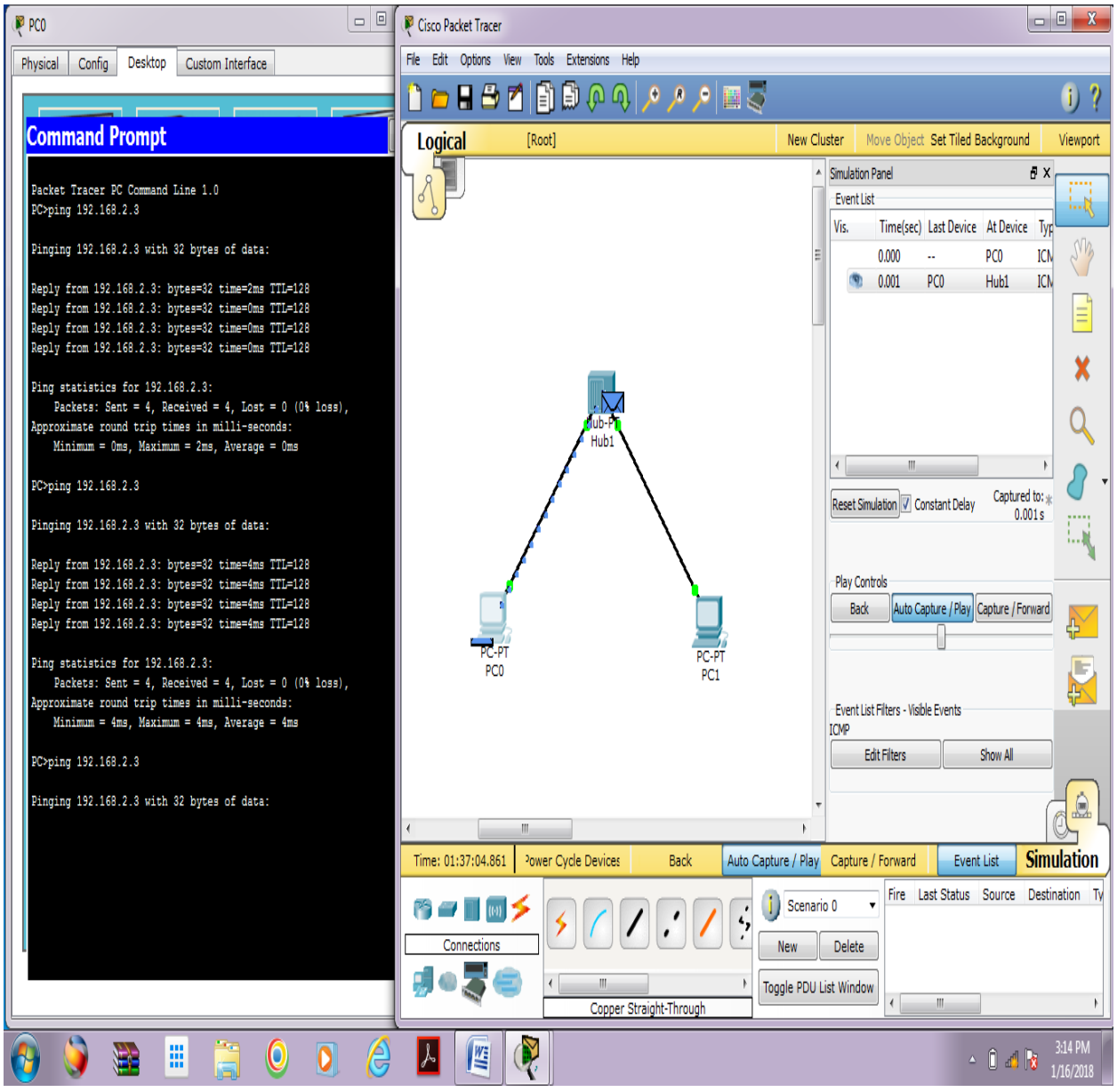
3) To Observe movement of ICMP Packet (click once on **Auto Capture/Play button**)



STEP 1

STEP 2


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
[Root]
Hub-PT
Hub1
PC-PT
PC0
PC-PT
PC1
PC0
Physical
Config
Desktop
Custom Interface
Command Prompt
Reply from 192.168.2.3: bytes=32 time=0ms TTL=128
Reply from 192.168.2.3: bytes=32 time=0ms TTL=128
Ping statistics for 192.168.2.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 2ms, Average = 0ms
PC>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Ping statistics for 192.168.2.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 4ms, Maximum = 4ms, Average = 4ms
PC>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Time: 01:37:04.860
Power Cycle Devices
PLAY CONTROLS:
Back
Auto Capture / Play
Capture / Forward
Event List
Simulation
Connections
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time (sec)
Periodic
Num
3:07 PM
1/16/2018


PC0
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Reply from 192.168.2.3: bytes=32 time=2ms TTL=128
Reply from 192.168.2.3: bytes=32 time=0ms TTL=128
Reply from 192.168.2.3: bytes=32 time=0ms TTL=128
Reply from 192.168.2.3: bytes=32 time=0ms TTL=128
Ping statistics for 192.168.2.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 2ms, Average = 0ms
PC>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Ping statistics for 192.168.2.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 4ms, Maximum = 4ms, Average = 4ms
PC>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Hub1
PC-PT PC0
PC-PT PC1
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device
0.000 -- PC0
0.001 PC0 Hub1
Reset Simulation
Constant Delay
Captured to: 0.001 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
ICMP
Edit Filters
Show All
Time: 01:37:04.861
Power Cycle Devices
Back
Auto Capture / Play
Capture / Forward
Event List
Simulation
Connections
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination
3:14 PM
1/16/2018

STEP 3