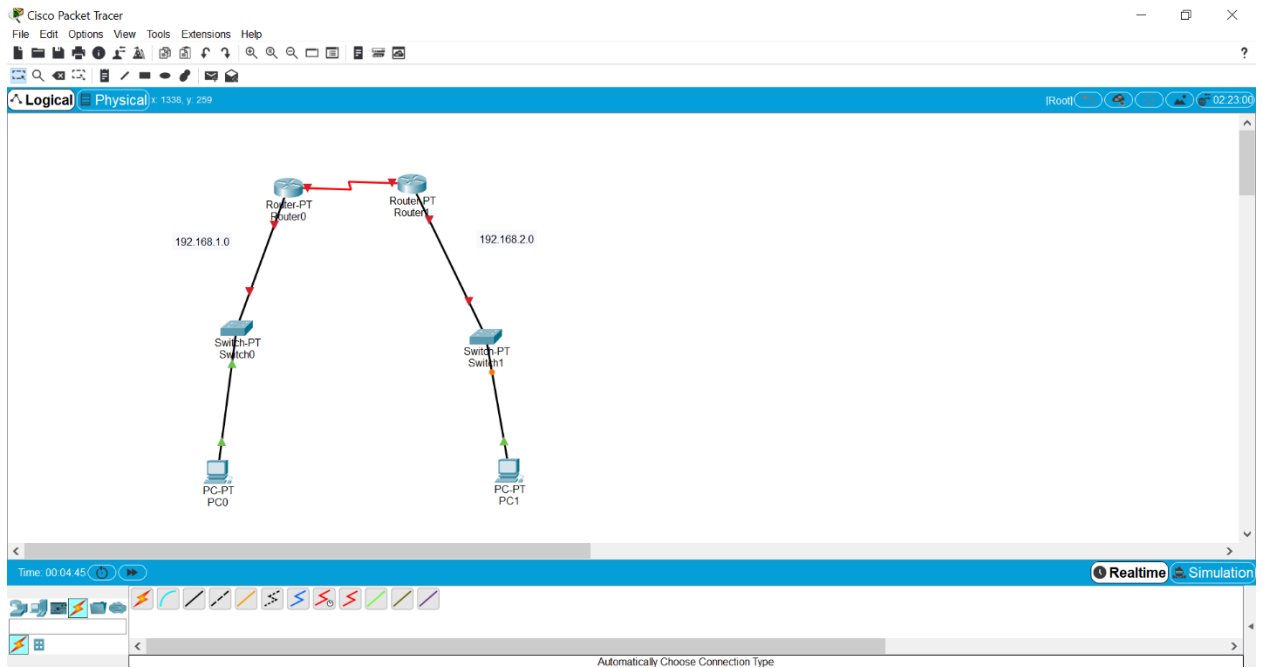
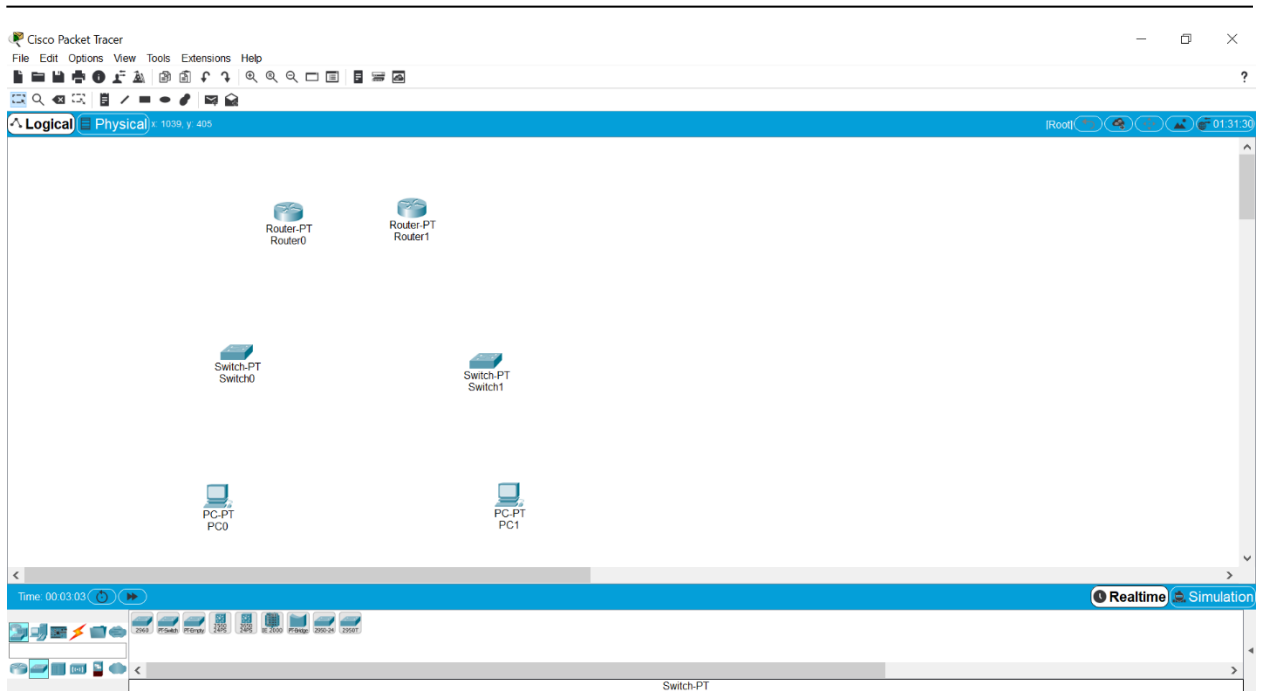


Cisco Packet Tracer steps



Cisco Packet Tracer steps

The screenshot displays the Cisco Packet Tracer interface. The main workspace shows a network topology with two routers (Router-PT Router0 and Router-PT Router1) connected by a red line. Router0 is connected to Switch-PT Switch0, which is connected to PC-PT PC0. Router1 is connected to Switch-PT Switch1, which is connected to PC-PT PC1. The IP addresses 192.168.1.0 and 192.168.2.0 are labeled near the routers. The PC0 configuration window is open, showing the IP Configuration tab. The IP Address is 192.168.1.2, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.1.1, and DNS Server is 0.0.0.0. The IPv6 Configuration tab is also visible, showing Auto Config selected. The 802.1X Security section is expanded, showing MD5 authentication.

Time: 00:06:17

Realtime Simulation

Automatically Choose Connection Type

The screenshot displays the Cisco Packet Tracer interface. The main workspace shows the same network topology as the previous screenshot. The PC1 configuration window is open, showing the IP Configuration tab. The IP Address is 192.168.2.2, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.2.1, and DNS Server is 0.0.0.0. The IPv6 Configuration tab is also visible, showing Auto Config selected. The 802.1X Security section is expanded, showing MD5 authentication.

Time: 00:07:03

Realtime Simulation

Automatically Choose Connection Type

Cisco Packet Tracer steps

The screenshot shows the Cisco Packet Tracer interface with a network topology. The topology consists of two routers, Router0 and Router1, connected by a red line. Router0 is connected to Switch0, which is connected to PC0. Router1 is connected to Switch1, which is connected to PC1. The IP addresses for the routers are 192.168.1.0 and 192.168.2.0. The configuration window for Router0 is open, showing the configuration for the FastEthernet0/0 interface. The configuration includes the IP address 192.168.1.1 and the subnet mask 255.255.255.0. The interface is configured with a speed of 100 Mbps and a duplex of Full Duplex. The configuration window also shows the equivalent IOS commands.

Router0 Configuration:

- Port Status: On
- Bandwidth: 100 Mbps
- Duplex: Full Duplex
- MAC Address: 00E0 B0E5 B99A
- IP Configuration: 192.168.1.1, 255.255.255.0
- Tx Ring Limit: 10

Equivalent IOS Commands:

```
Router(config-if)#  
%LINK-S-CHANGED: Interface FastEthernet0/0, changed state to up  
%LINEPROTO-S-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
```

The screenshot shows the Cisco Packet Tracer interface with the same network topology as the previous image. The configuration window for Router1 is open, showing the configuration for the FastEthernet0/0 interface. The configuration includes the IP address 192.168.2.1 and the subnet mask 255.255.255.0. The interface is configured with a speed of 100 Mbps and a duplex of Full Duplex. The configuration window also shows the equivalent IOS commands.

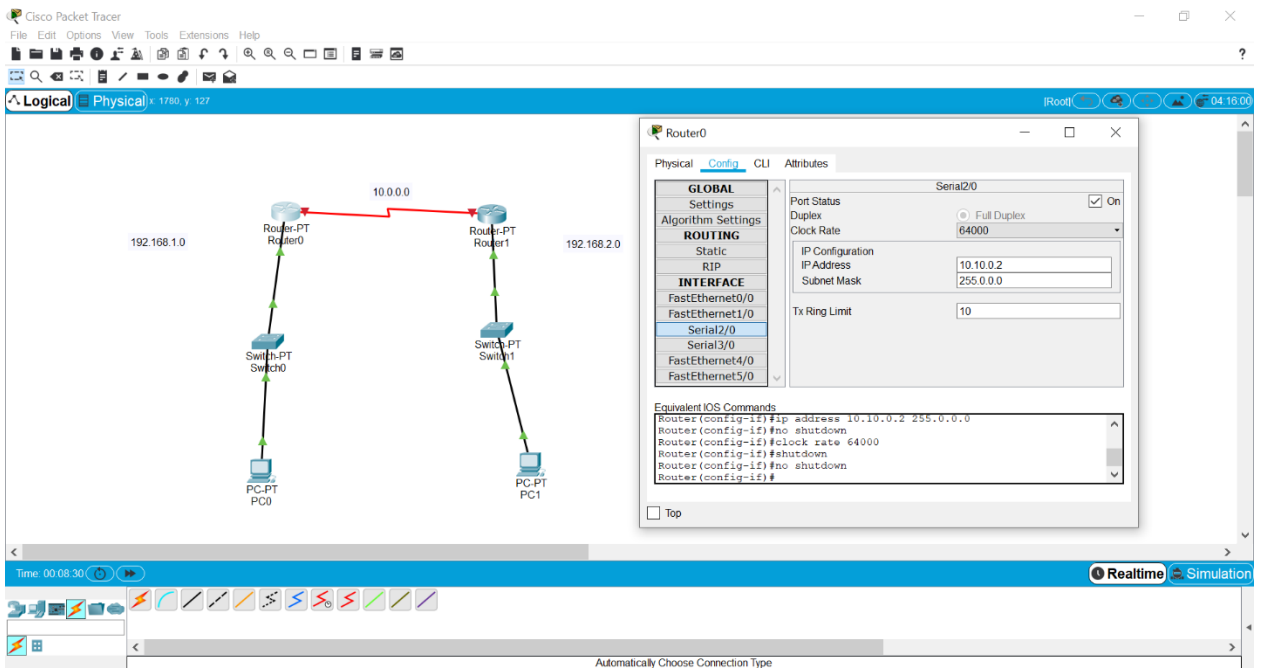
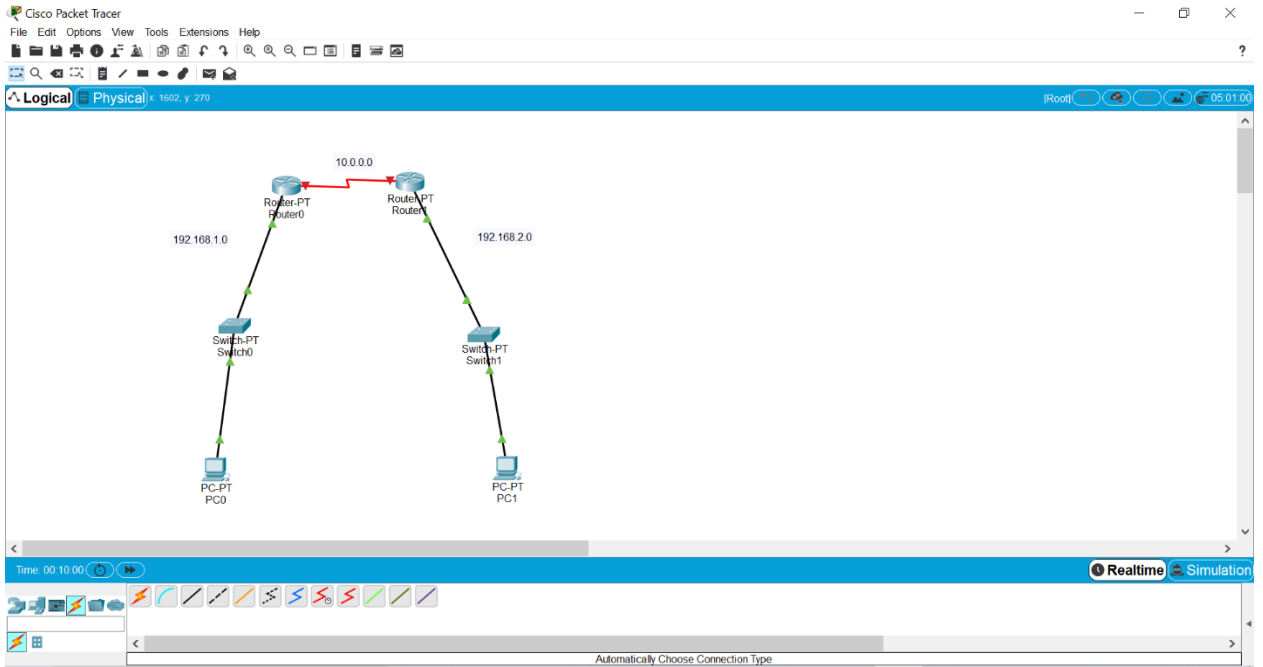
Router1 Configuration:

- Port Status: On
- Bandwidth: 100 Mbps
- Duplex: Full Duplex
- MAC Address: 0005 5E88 9DB9
- IP Configuration: 192.168.2.1, 255.255.255.0
- Tx Ring Limit: 10

Equivalent IOS Commands:

```
Router1(config-if)#  
%LINK-S-CHANGED: Interface FastEthernet0/0, changed state to up  
%LINEPROTO-S-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
```

Cisco Packet Tracer steps



Cisco Packet Tracer steps

The screenshot shows the Cisco Packet Tracer interface. The network topology consists of two routers, Router-PT Router0 and Router-PT Router1, connected by a serial link labeled 10.0.0.0. Router0 is connected to Switch-PT Switch0, which is connected to PC-PT PC0. Router1 is connected to Switch-PT Switch1, which is connected to PC-PT PC1. The IP addresses 192.168.1.0 and 192.168.2.0 are shown near the routers. The configuration window for Router1 is open, showing the Config tab. The GLOBAL Settings section shows the Routing Algorithm set to Static. The INTERFACE section shows the configuration for Serial2/0, with IP Address 10.10.0.3 and Subnet Mask 255.0.0.0. The Equivalent IOS Commands section shows the following commands:

```
Router(config-if)#ip address 10.10.0.3 255.0.0.0
Router(config-if)#ip address 10.10.0.3 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
```

The status bar at the bottom shows the time as 00:09:02 and the simulation mode as Realtime.

The screenshot shows the same Cisco Packet Tracer interface. The configuration window for Router0 is open, showing the Config tab. The GLOBAL Settings section shows the Routing Algorithm set to Static. The INTERFACE section shows the configuration for Serial2/0, with IP Address 10.10.0.3 and Subnet Mask 255.0.0.0. The Equivalent IOS Commands section shows the following commands:

```
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.1.0
Router(config-router)#network 10.0.0.0
Router(config-router)#
```

The status bar at the bottom shows the time as 00:11:47 and the simulation mode as Realtime.

Cisco Packet Tracer steps

The screenshot shows the Cisco Packet Tracer interface with a network topology. Two routers, Router-PT Router0 and Router-PT Router1, are connected via a serial link (10.0.0.0). Router0 is connected to Switch-PT Switch0, which is connected to PC-PT PC0. Router1 is connected to Switch-PT Switch1, which is connected to PC-PT PC1. The IP addresses 192.168.1.0 and 192.168.2.0 are shown next to the routers. The configuration window for Router1 is open, showing the 'Config' tab. The 'ROUTING' section is expanded, and the 'RIP' protocol is selected. The 'INTERFACE' section shows FastEthernet0/0, FastEthernet1/0, Serial2/0, Serial3/0, FastEthernet4/0, and FastEthernet5/0. The 'Equivalent IOS Commands' section shows the following commands:

```
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.2.0
Router(config-router)#network 10.0.0.0
Router(config-router)#
```

The screenshot shows the same Cisco Packet Tracer interface with the same network topology. The configuration window for Router0 is open, showing the 'Config' tab. The 'GLOBAL' section is expanded, and the 'Settings' sub-section is selected. The 'Display Name' is set to Router0, and the 'Hostname' is set to Router. The 'Startup Config' section shows 'Load...' and 'Export...' buttons. The 'Equivalent IOS Commands' section shows the following commands:

```
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

Cisco Packet Tracer steps

The screenshot shows the Cisco Packet Tracer interface with a network topology. Two routers, Router0 and Router1, are connected via a red line representing a serial link with IP addresses 192.168.1.0 and 192.168.2.0. Router0 is connected to Switch0, which is connected to PC0. Router1 is connected to Switch1, which is connected to PC1. The configuration window for Router1 is open, showing the 'Config' tab. The 'Global Settings' section is visible, including 'Display Name' (Router1), 'Hostname' (Router), and 'NVRAM' (Erase, Save, Load, Export, Merge). The 'Equivalent IOS Commands' section shows the command 'Destination filename [startup-config]? Building configuration... [OK] Router# %SYS-5-CONFIG_I: Configured from console by console'.

The screenshot shows the Cisco Packet Tracer interface with the same network topology as the previous image. The configuration window for Router1 is open, showing the 'Config' tab. The 'Global Settings' section is visible, including 'Display Name' (Router1), 'Hostname' (Router), and 'NVRAM' (Erase, Save, Load, Export, Merge). The 'Equivalent IOS Commands' section shows the command 'Destination filename [startup-config]? Building configuration... [OK] Router# %SYS-5-CONFIG_I: Configured from console by console'.

Time: 00:09:27

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
Successful		PC0	PC1	ICMP		0.000	N	0