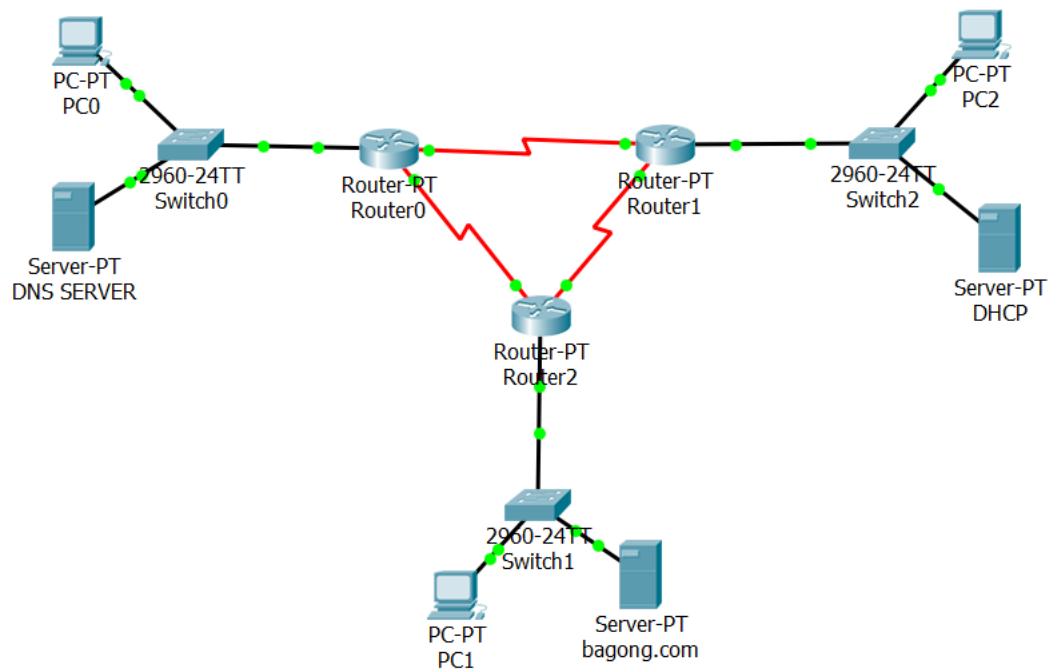


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IP Router

The screenshot displays the Cisco Packet Tracer interface with three router configuration windows open over a network diagram. The network diagram shows a central switch (2960-24T) connected to three PCs (PC1, PC2, PC3) and three routers (Router0, Router1, Router2). Router0 is connected to PC1, Router1 to PC2, and Router2 to PC3. The routers are also connected to each other via their FastEthernet0/0 interfaces.

Router0 Configuration:

- GLOBAL Settings:** Port Status: On, Bandwidth: 100 Mbps, Duplex: Full Duplex, MAC Address: 0030.F204.7606.
- ROUTING:** Static, RIP.
- INTERFACE:** FastEthernet0/0: IP Address: 192.168.10.1, Subnet Mask: 255.255.255.0, Tx Ring Limit: 10.
- Equivalent IOS Commands:**

```
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

Router1 Configuration:

- GLOBAL Settings:** Port Status: On, Bandwidth: 100 Mbps, Duplex: Full Duplex, MAC Address: 0050.0F8E.D2AB.
- ROUTING:** Static, RIP.
- INTERFACE:** FastEthernet0/0: IP Address: 192.168.20.1, Subnet Mask: 255.255.255.0, Tx Ring Limit: 10.
- Equivalent IOS Commands:**

```
Router#
Router#configure terminal
Enter configuration commands, one per line. End with
CTRL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

Router2 Configuration:

- GLOBAL Settings:** Port Status: On, Bandwidth: 100 Mbps, Duplex: Full Duplex, MAC Address: 00D0.978E.4304.
- ROUTING:** Static, RIP.
- INTERFACE:** FastEthernet0/0: IP Address: 192.168.30.1, Subnet Mask: 255.255.255.0, Tx Ring Limit: 10.
- Equivalent IOS Commands:**

```
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

The bottom of the screen shows the Windows taskbar with the time 00:11:31, date 04/07/2019, and system tray icons.

Router0

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router0

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router1

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router2

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Time: 00:11:48

Power Cycle Devices

Fast Forward Time

2621XM

Im: S7, Col: 4

2003

04/07/2019

Activate Windows

Go to Settings to activate Windows.

Realtime

Router0

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial3/0

Router(config-if)#

Router0

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial3/0

Router(config-if)#

Router1

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial3/0

Router(config-if)#

Router2

Physical Config CLI Attributes

GLOBAL Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Port Status

Duplex

Clock Rate

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial3/0

Router(config-if)#

Time: 00:12:04

Power Cycle Devices

Fast Forward Time

2621XM

Im: S7, Col: 4

2003

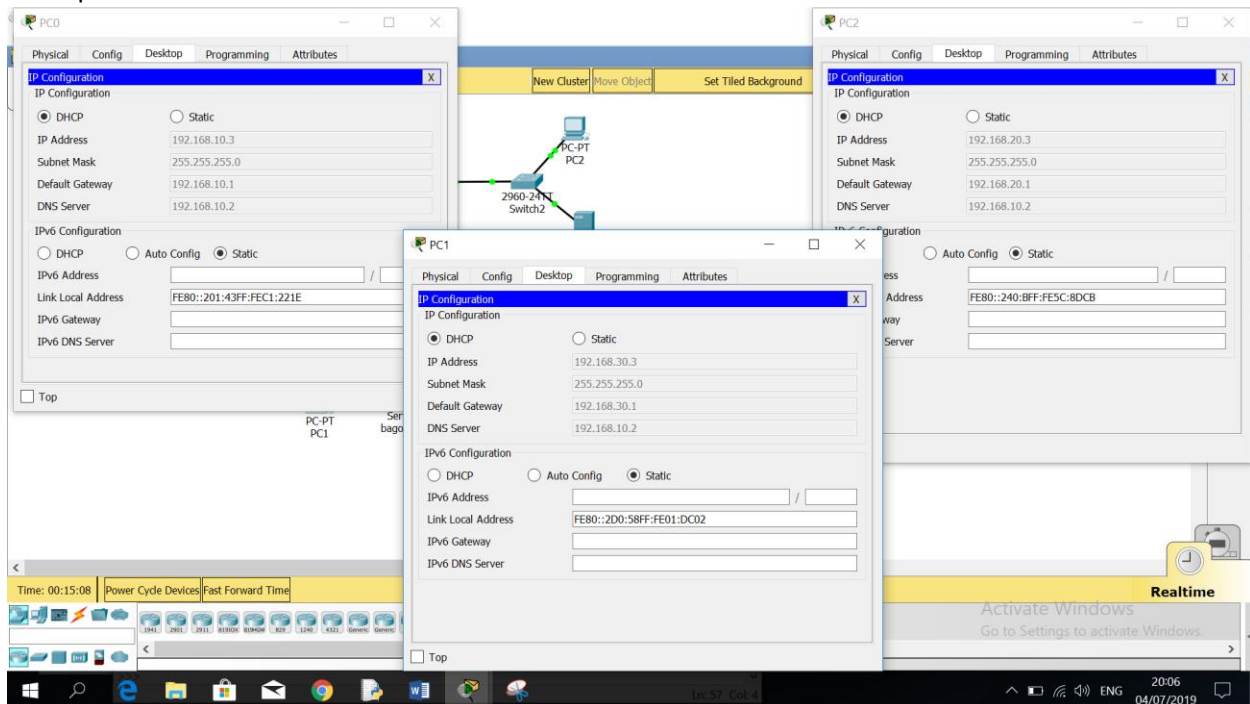
04/07/2019

Activate Windows

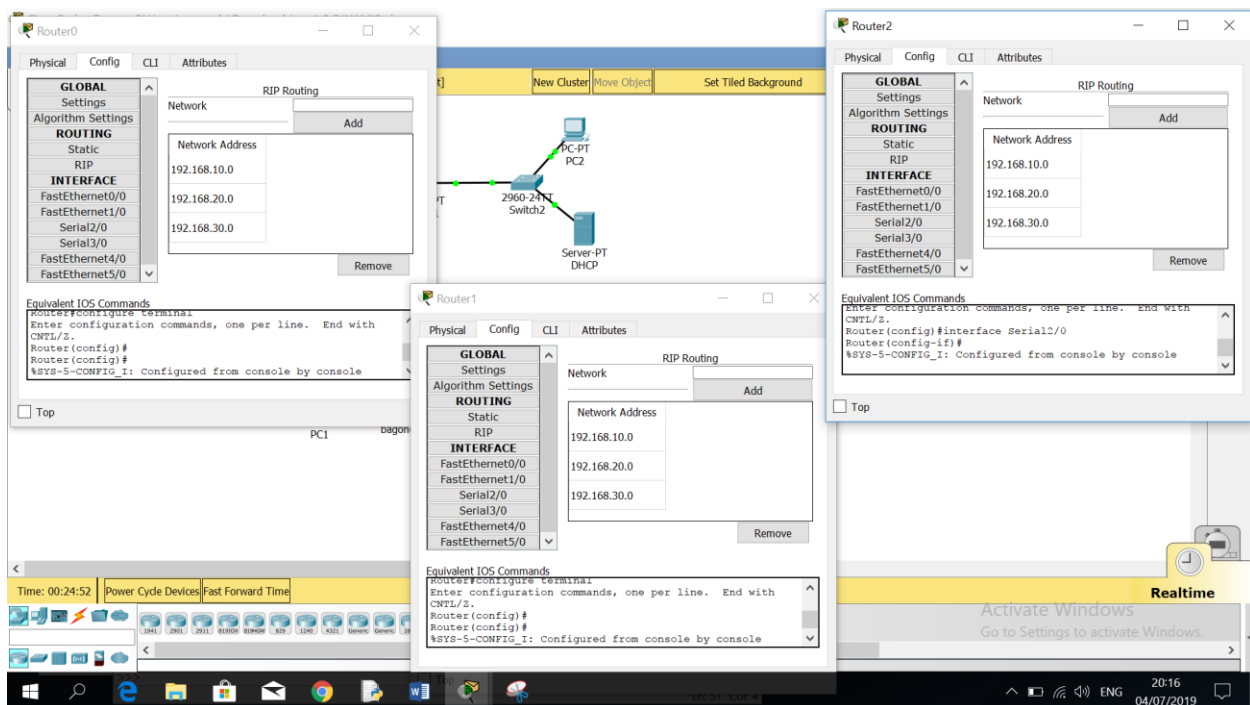
Go to Settings to activate Windows.

Realtime

No 2 Ip PC



No 3 Routing RIP



No 4 Routing statis

The screenshot displays three Cisco Packet Tracer router configuration windows for Router0, Router1, and Router2. Each window shows the configuration for static routes and the equivalent IOS commands.

Router0 Configuration:

- Static Routes:**
 - Network: 192.168.10.0, Mask: 255.255.255.0, Next Hop: 192.168.10.3
- Interface Configuration:**
 - FastEthernet0/0: 192.168.30.0/24 via 192.168.30.3
 - FastEthernet1/0: 192.168.20.0/24 via 192.168.20.3
 - FastEthernet4/0: 192.168.10.0/24 via 192.168.10.3
 - FastEthernet5/0: 192.168.30.0/24 via 192.168.30.3

Router1 Configuration:

- Static Routes:**
 - Network: 192.168.30.0, Mask: 255.255.255.0, Next Hop: 192.168.30.3
- Interface Configuration:**
 - FastEthernet0/0: 192.168.10.0/24 via 192.168.10.3
 - FastEthernet1/0: 192.168.20.0/24 via 192.168.20.3
 - FastEthernet4/0: 192.168.30.0/24 via 192.168.30.3
 - FastEthernet5/0: 192.168.30.0/24 via 192.168.30.3

Router2 Configuration:

- Static Routes:**
 - Network: 192.168.30.0, Mask: 255.255.255.0, Next Hop: 192.168.30.3
- Interface Configuration:**
 - FastEthernet0/0: 192.168.10.0/24 via 192.168.10.3
 - FastEthernet1/0: 192.168.20.0/24 via 192.168.20.3
 - FastEthernet4/0: 192.168.30.0/24 via 192.168.30.3
 - FastEthernet5/0: 192.168.30.0/24 via 192.168.30.3

The equivalent IOS commands for each router are listed at the bottom of the configuration windows. The commands include the configuration of static routes and the interfaces.

No 5 Access list

