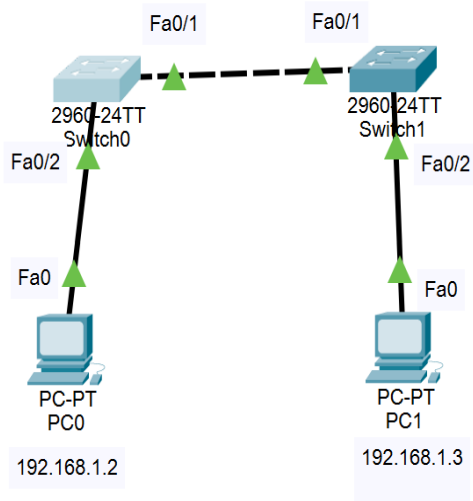
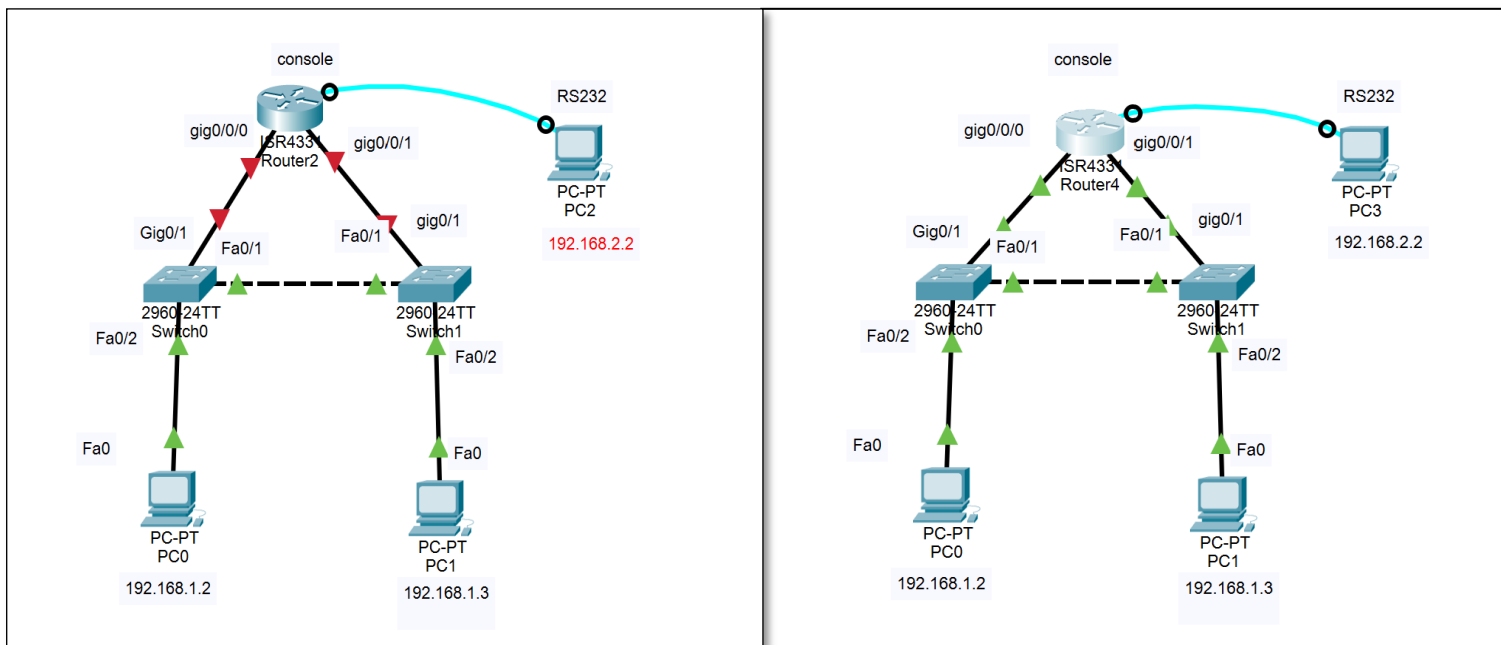


Experiment No. 01

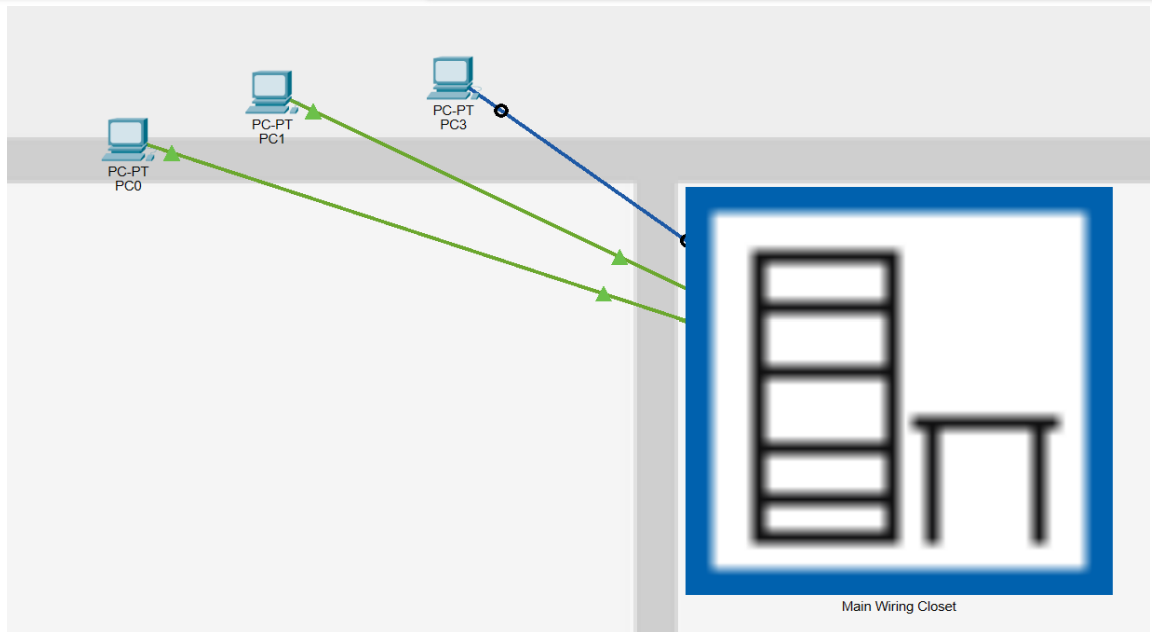
Logical Topology:- Switch Configuration



Router Configuration:-

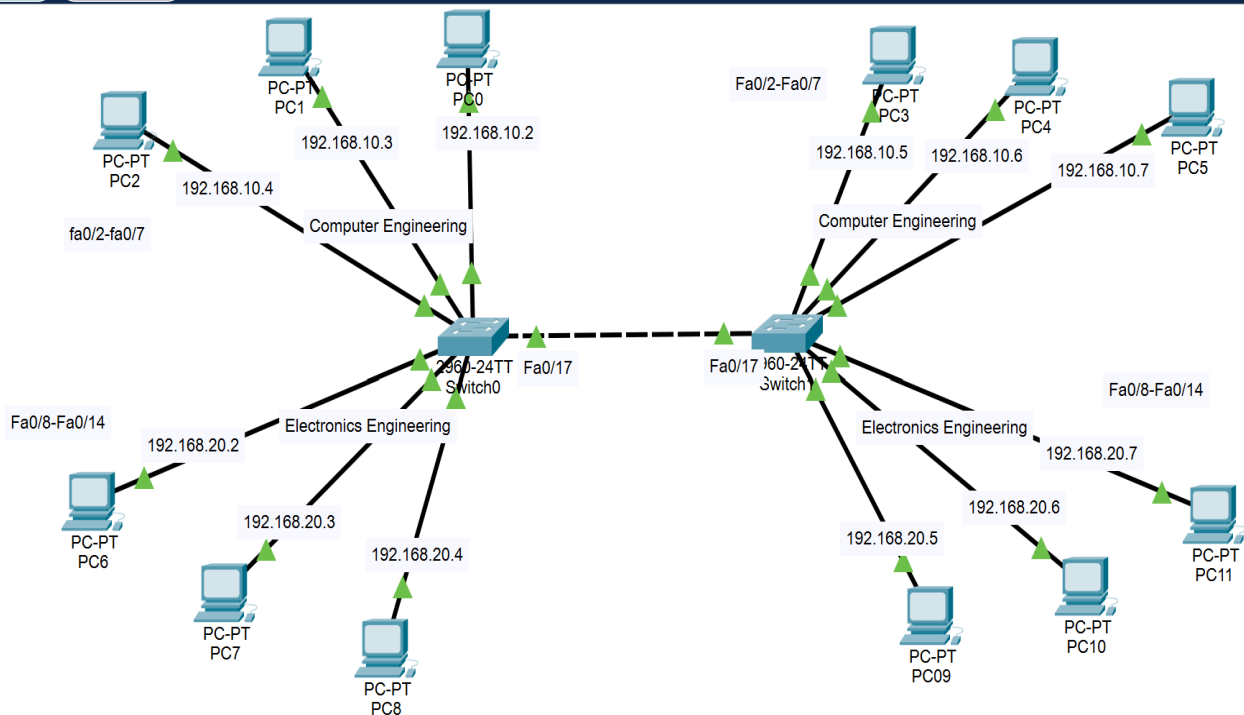


Physical Topology



Experiment No. 02

Logical Topology: verify VLANs on a Switched network

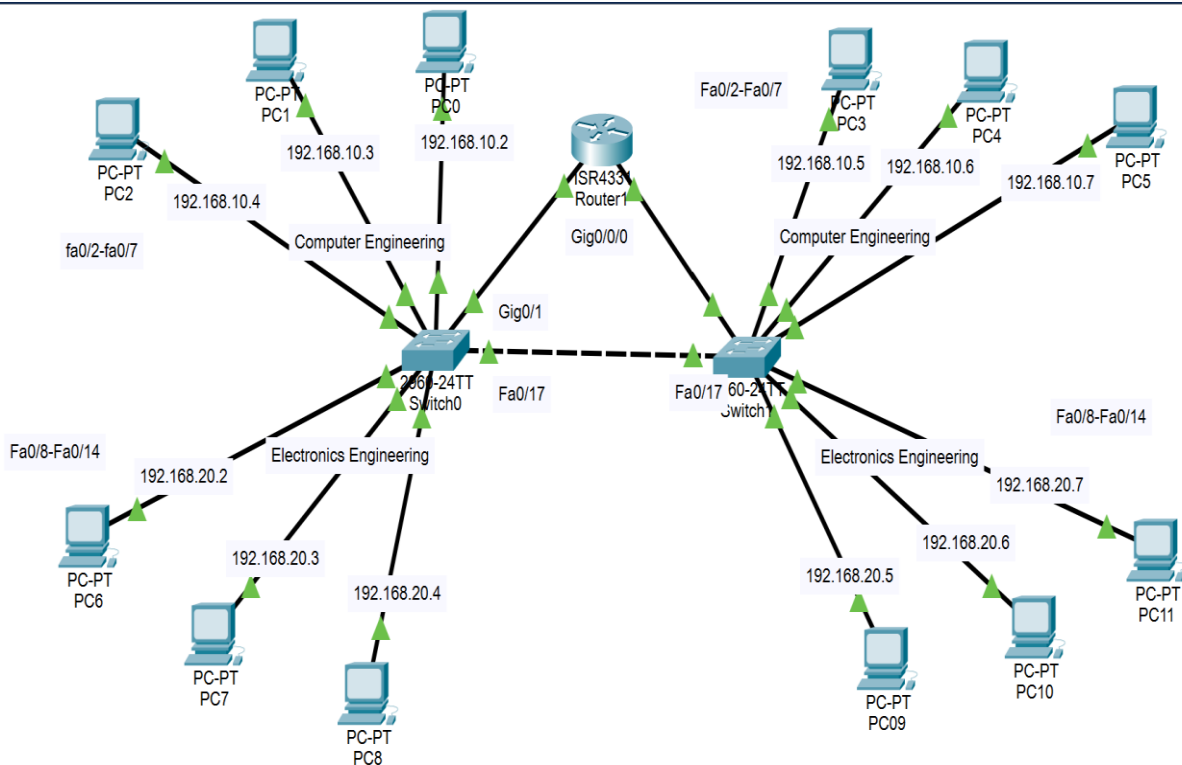


Physical Topology:

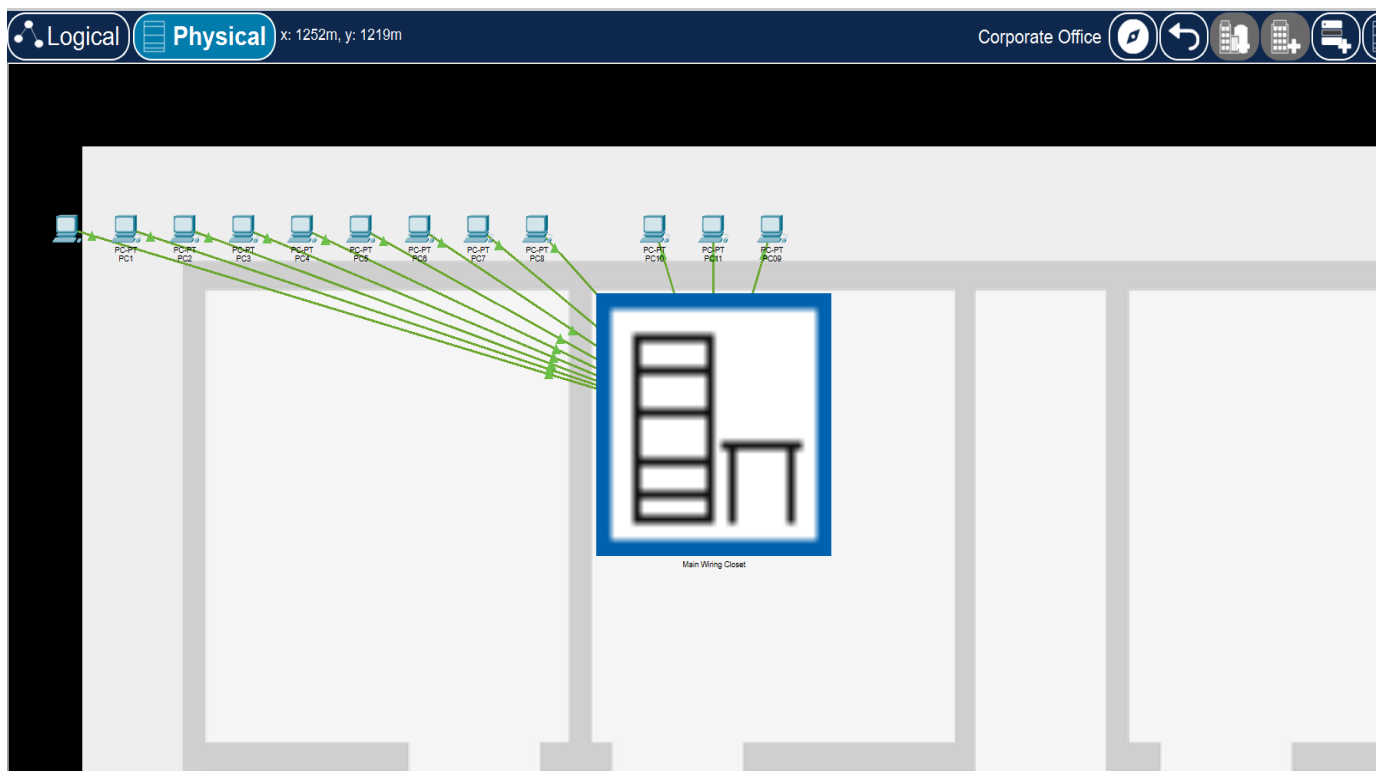


Experiment No. 03

Logical Topology: verify Inter-VLANs on a Switched network

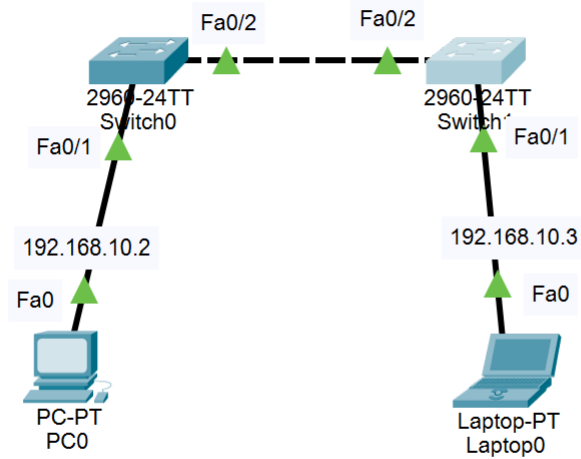


Physical Topology:

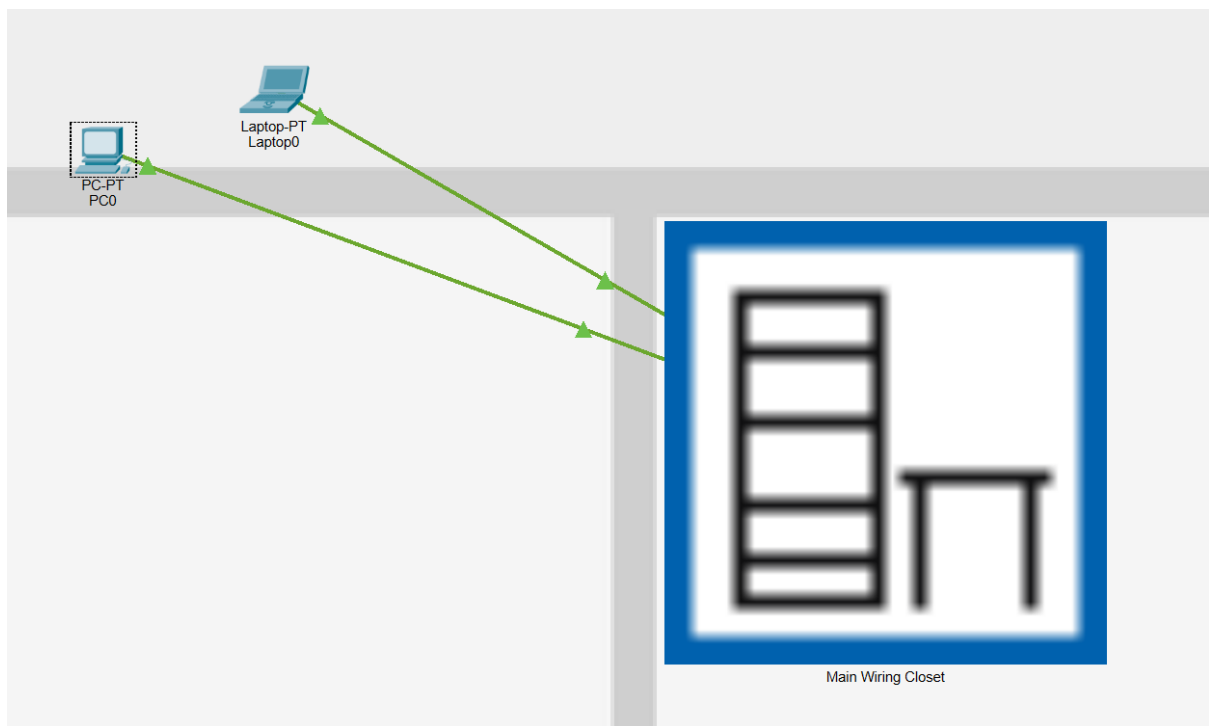


Experiment No. 04

Logical Topology:

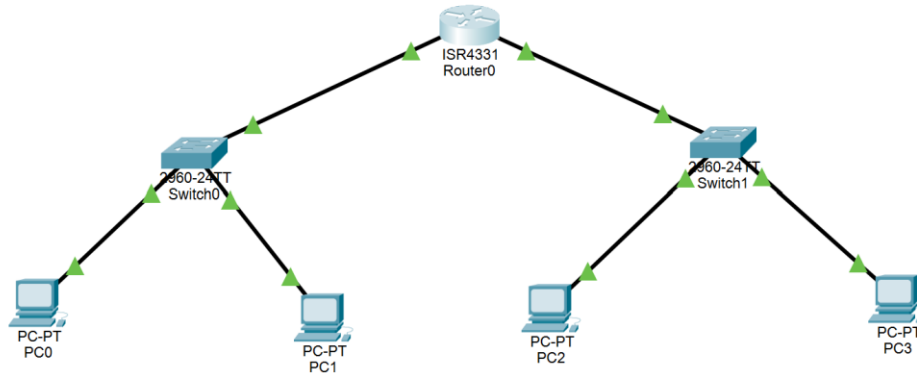


Physical Topology:



Experiment No. 05

Logical Topology:



PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface: FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address: 169.254.76.6

Subnet Mask: 255.255.0.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:42FF:FE6D:4C06

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

PC1

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface: FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address: 192.168.10.12

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.1

DNS Server: 8.8.8.8

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:96FF:FE75:6C2D

Default Gateway:

DNS Server:

802.1X

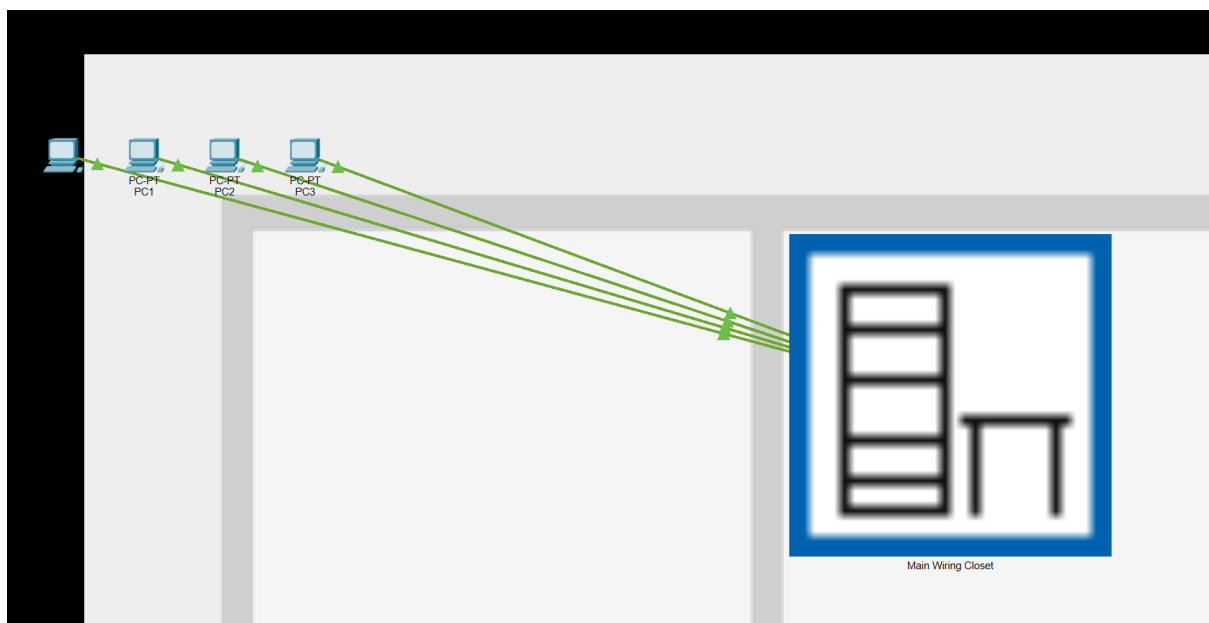
☐ Use 802.1X Security

Authentication: MD5

Username:

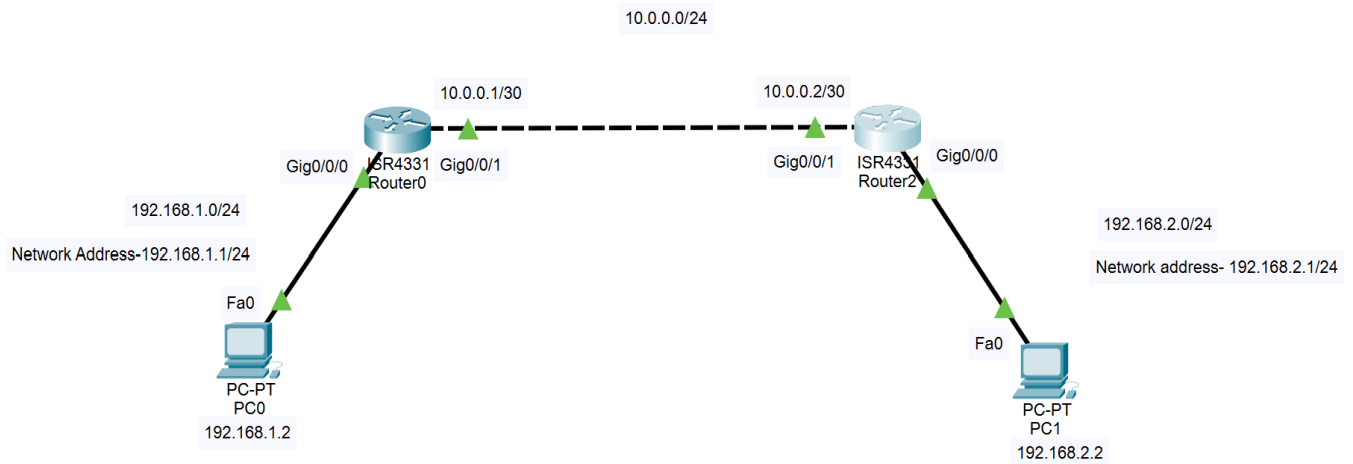
Password:

Physical Topology:

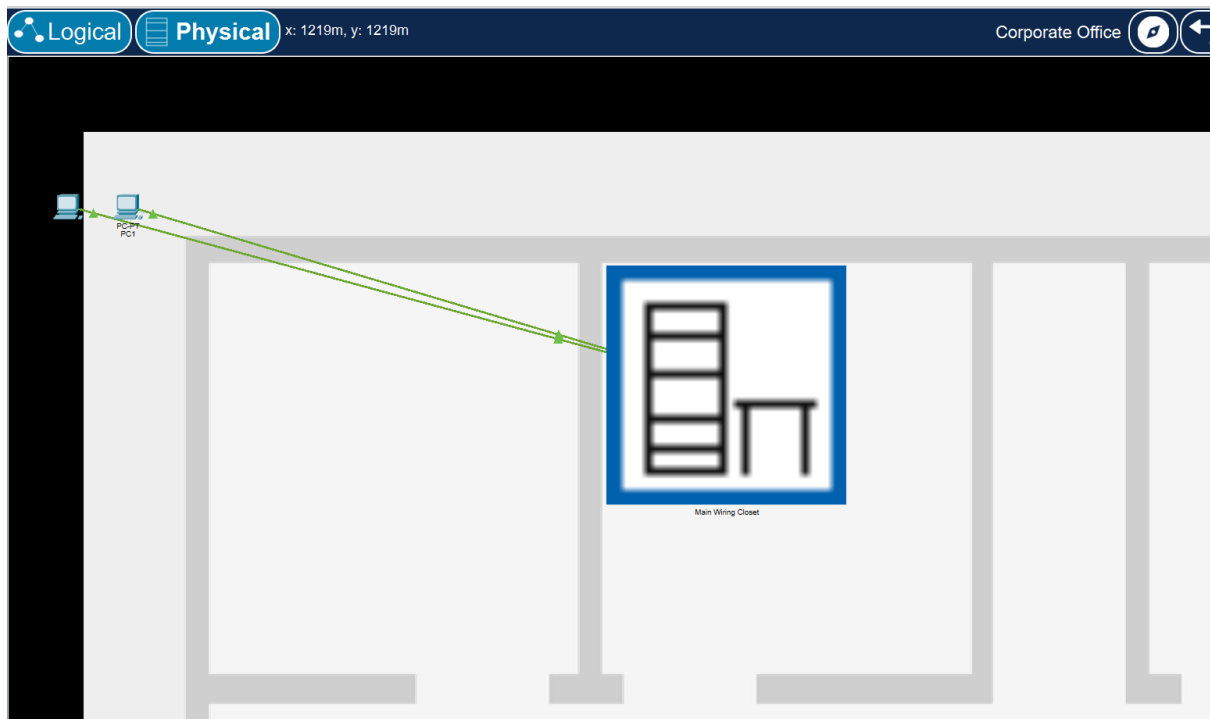


Experiment No. 06

Logical Topology:

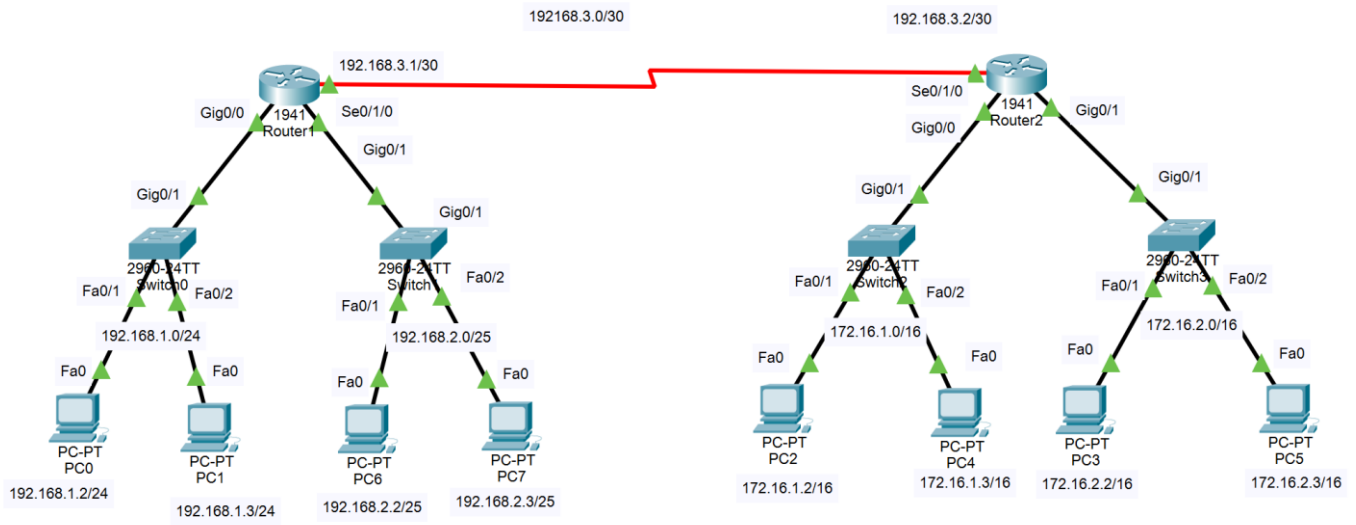


Physical Topology:

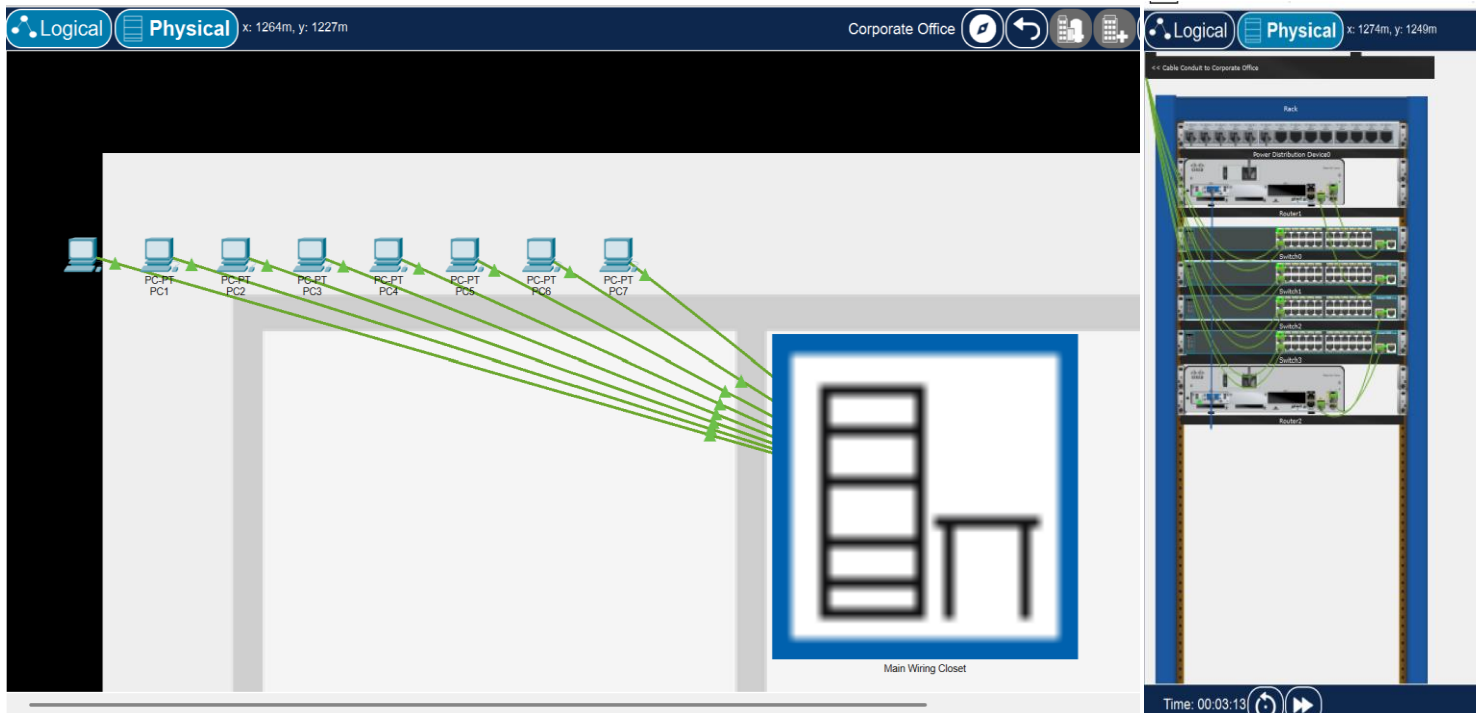


Experiment No. 07

Logical Topology:

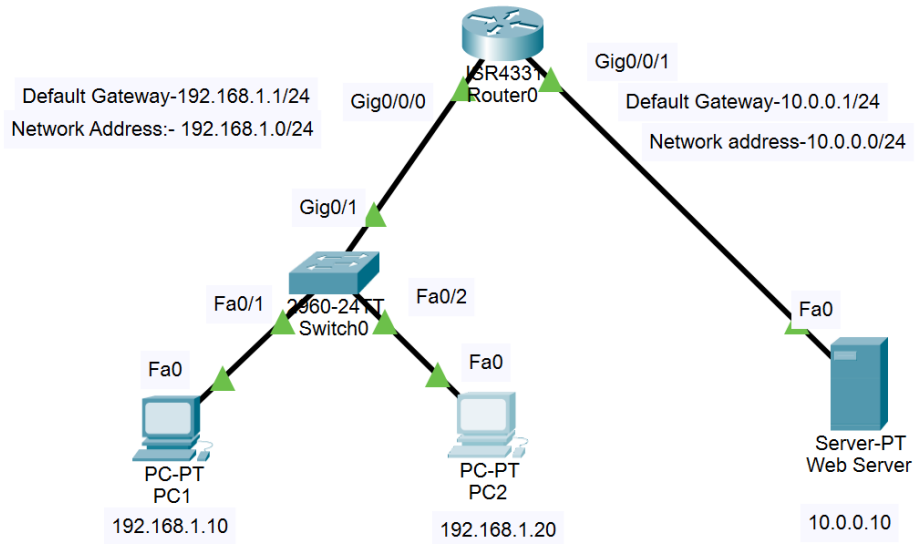


Physical Topology:

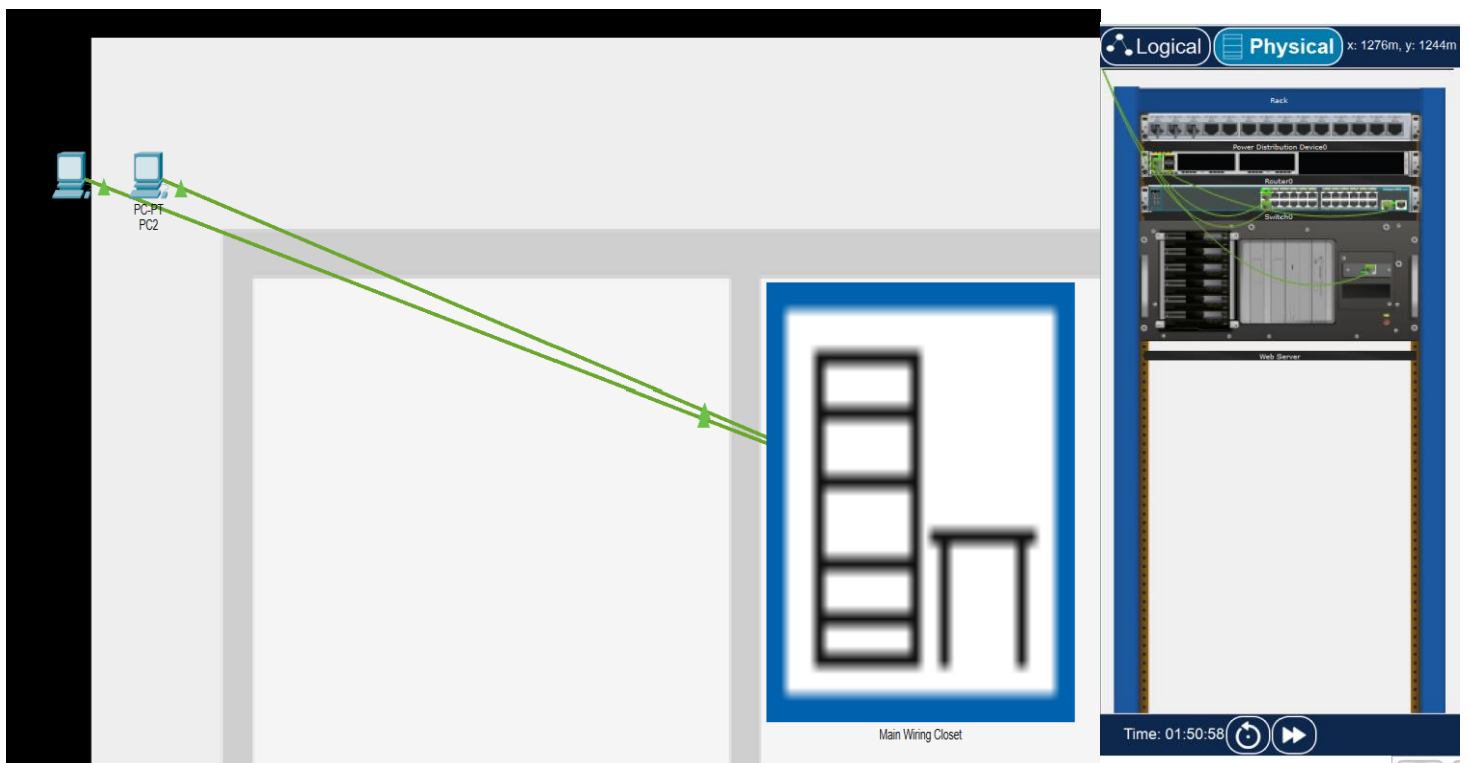


Experiment No. 08

Logical Topology:

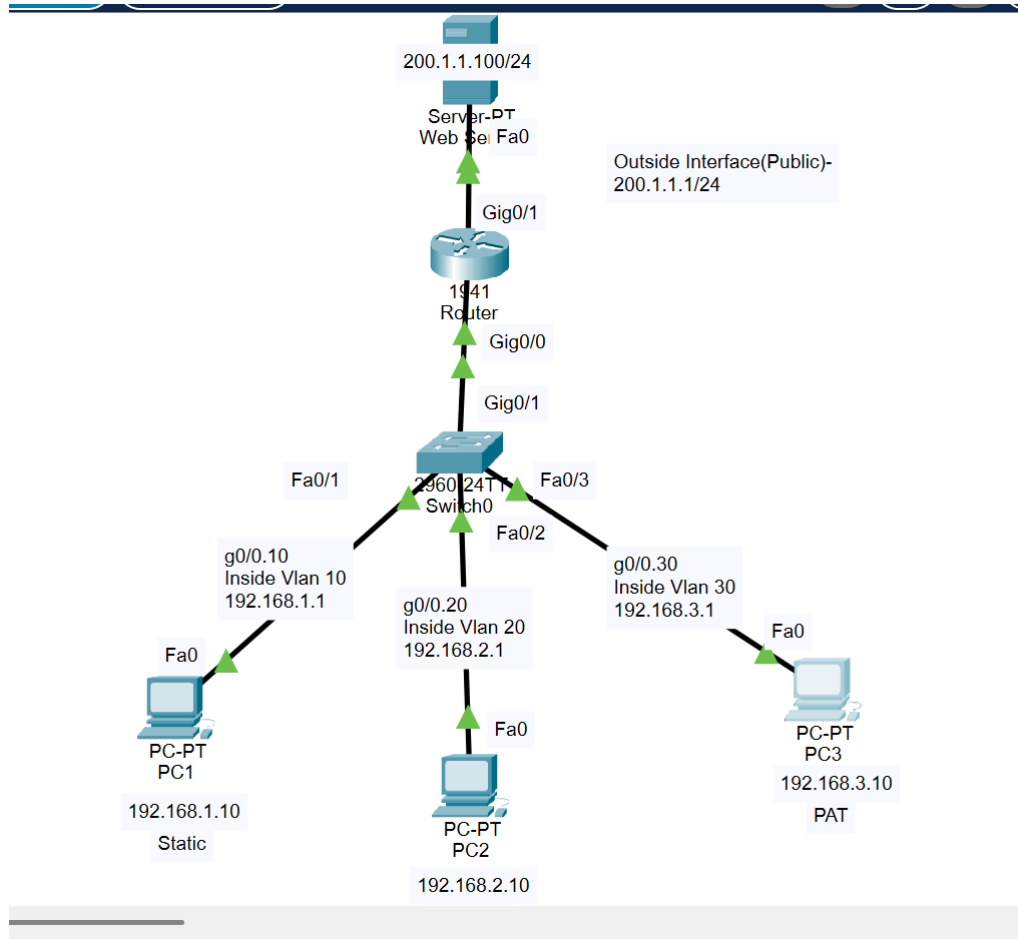


Physical Topology:



Experiment No. 09

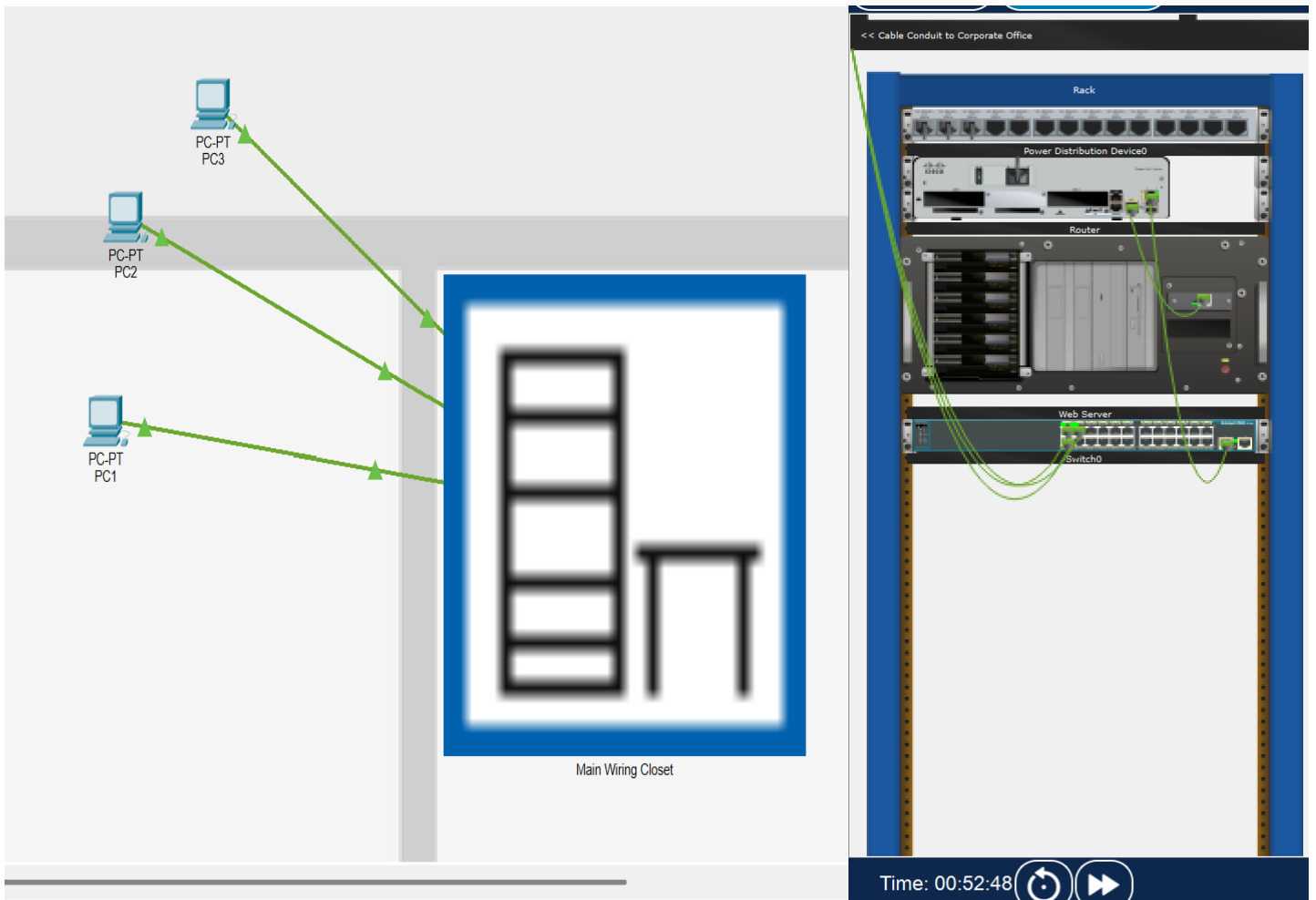
Logical Topology:



IP Addressing Table

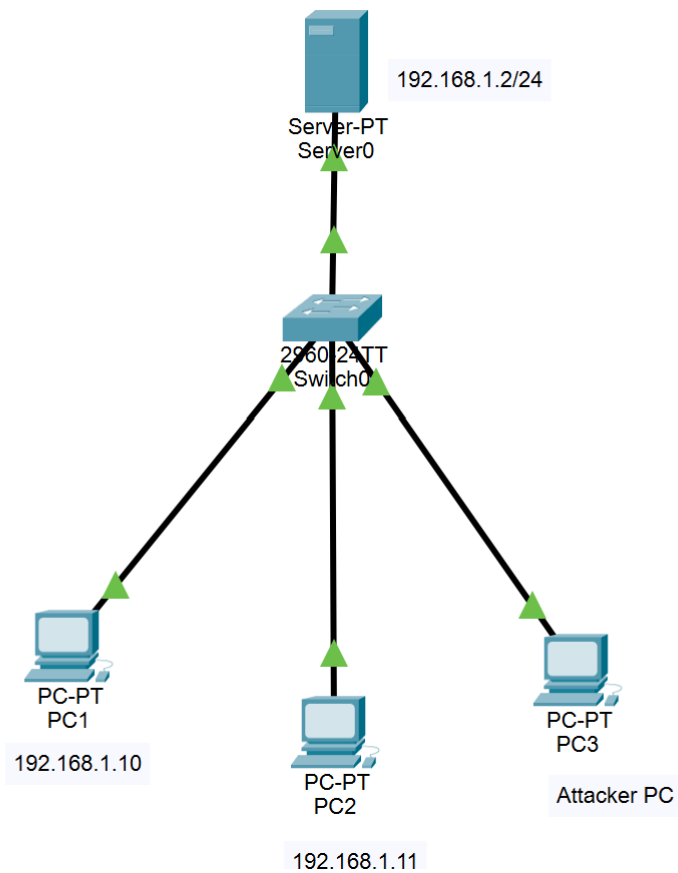
Device	Interface / Port	IP Address	Mask	Role
PC1	NIC (VLAN10)	192.168.1.10	255.255.255.0	Static-NAT host
PC2	NIC (VLAN20)	192.168.2.10	255.255.255.0	Dynamic-NAT host
PC3	NIC (VLAN30)	192.168.3.10	255.255.255.0	PAT host
Router R1	g0/0.10 (subif)	192.168.1.1	255.255.255.0	Inside VLAN10
Router R1	g0/0.20 (subif)	192.168.2.1	255.255.255.0	Inside VLAN20
Router R1	g0/0.30 (subif)	192.168.3.1	255.255.255.0	Inside VLAN30
Router R1	g0/1	200.1.1.1	255.255.255.0	Outside / Public IP
Web Server	NIC	200.1.1.100	255.255.255.0	Public Server

Physical Topology:



Experiment No. 10

Logical Topology:



Physical Topology:

