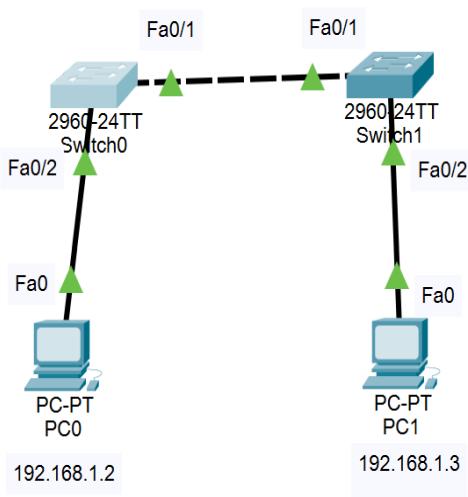
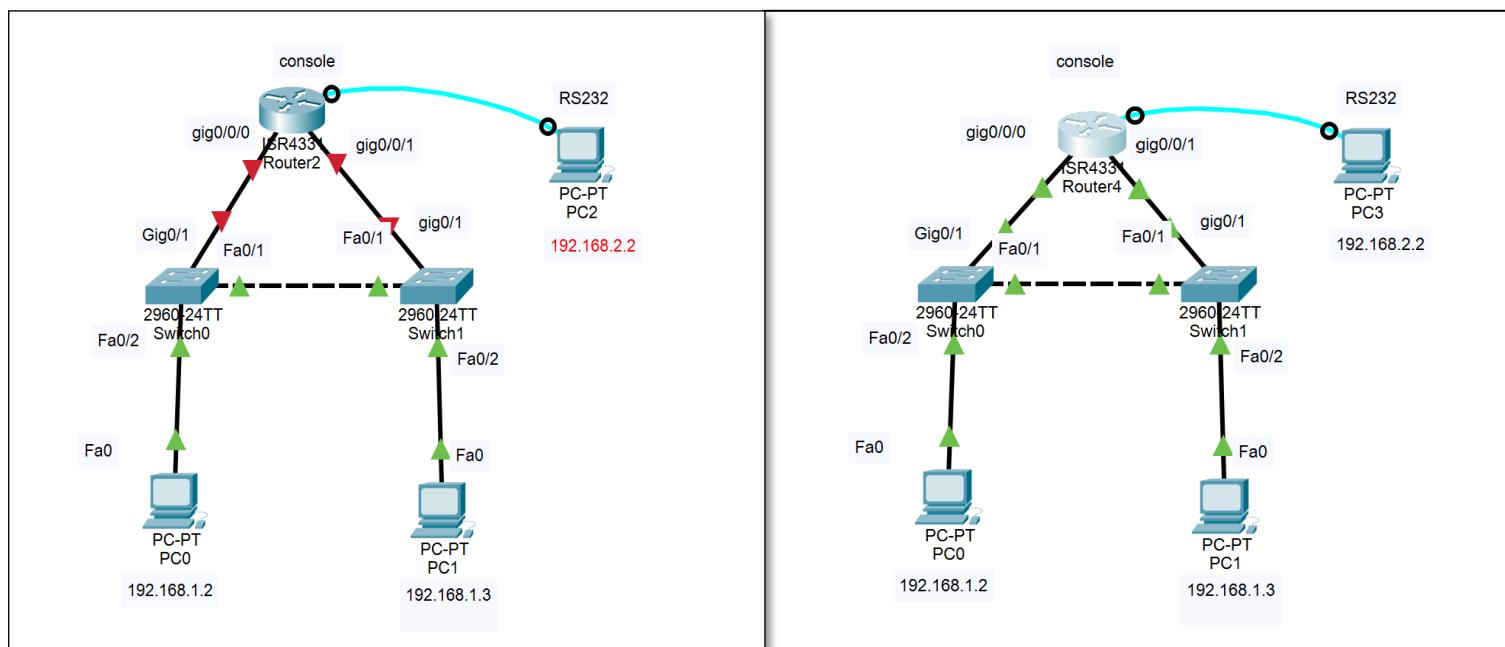


# Experiment No. 01

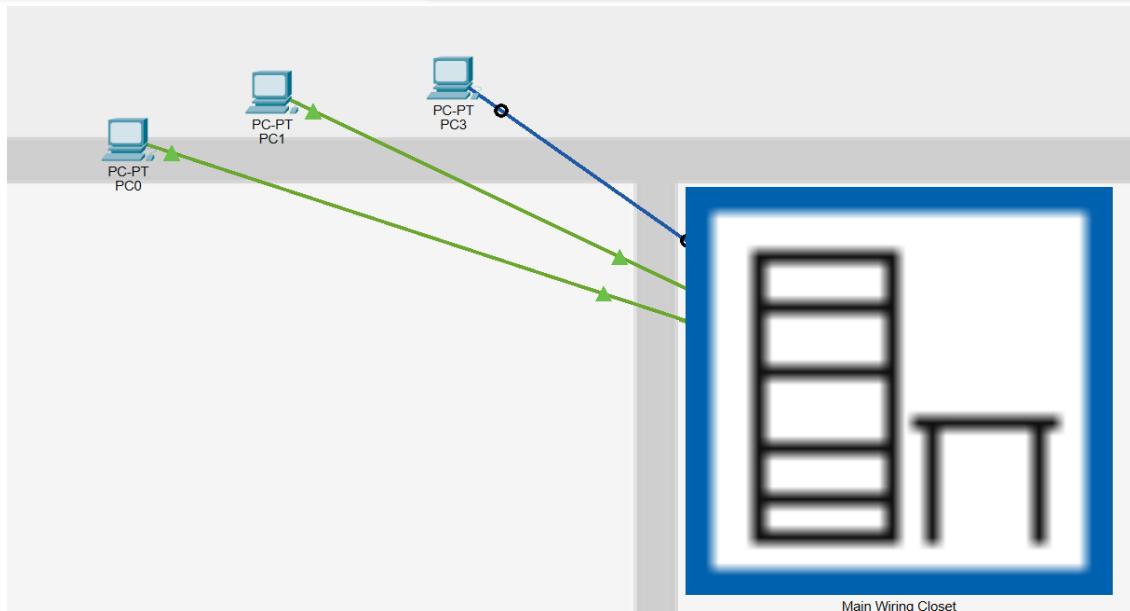
## **Logical Topology:- Switch Configuration**



## **Router Configuration:-**



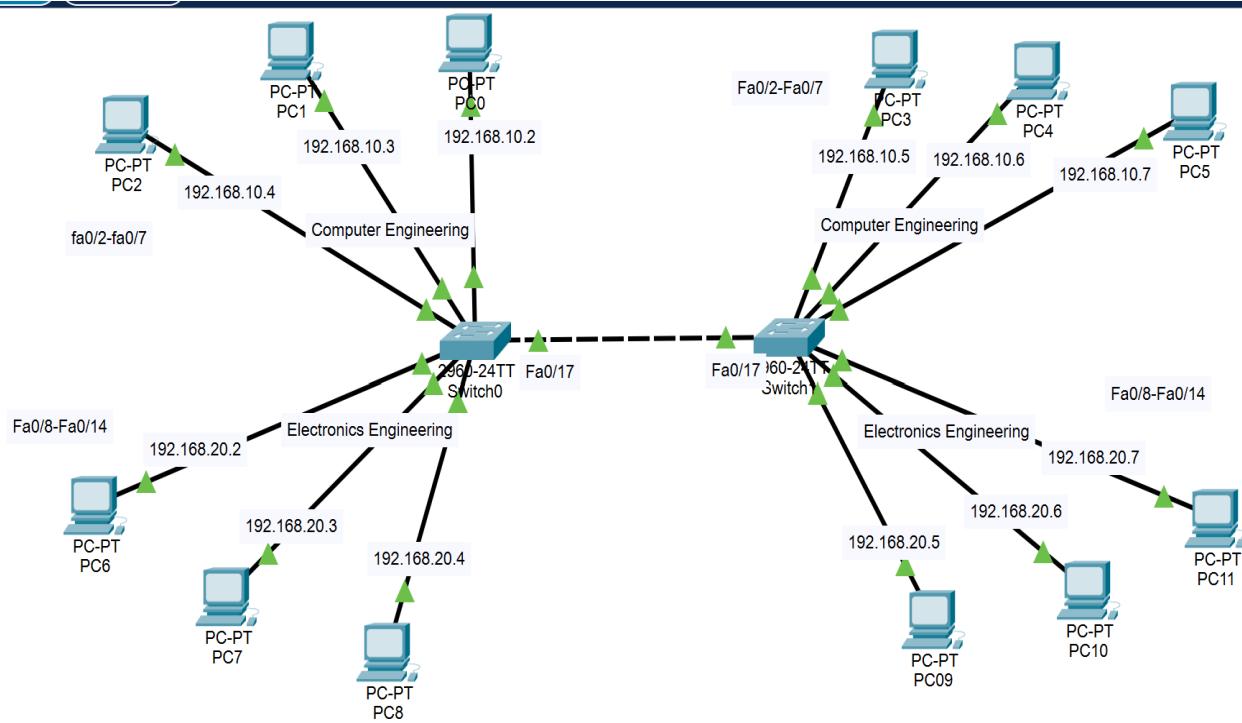
## **Physical Topology**



Main Wiring Closet

## Experiment No. 02

### **Logical Topology: verify VLANs on a Switched network**

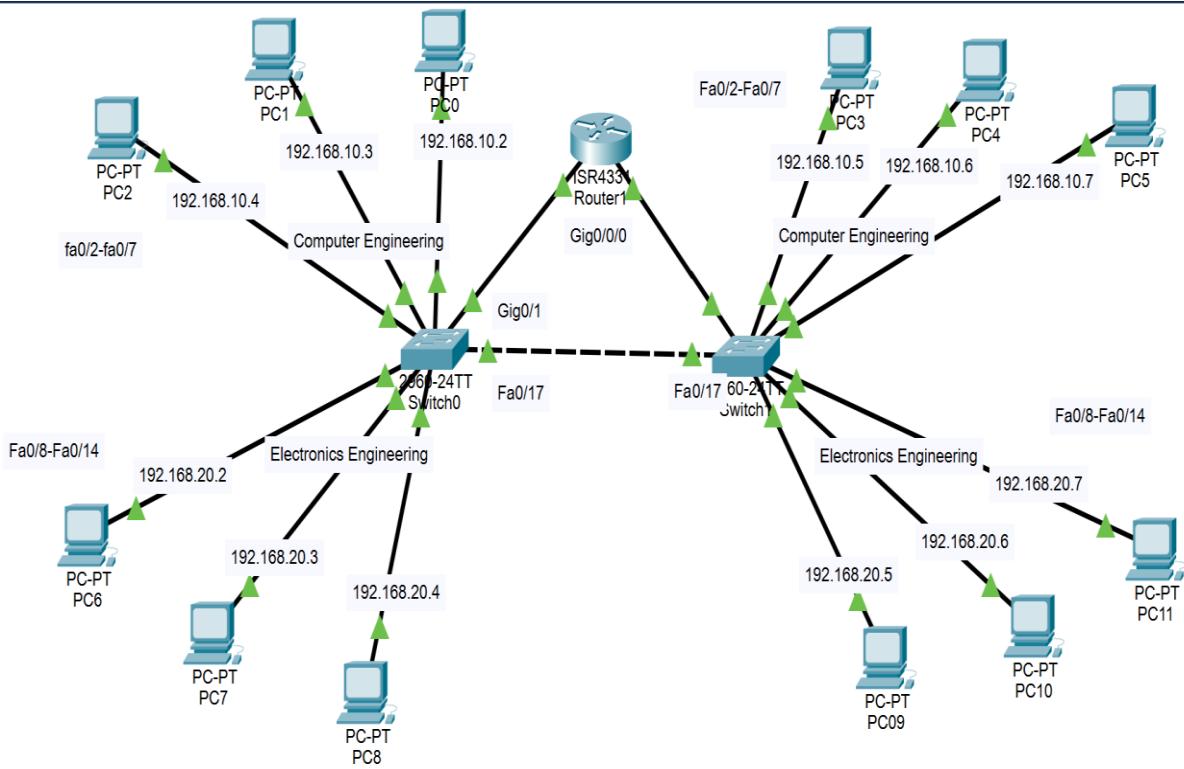


### **Physical Topology:**

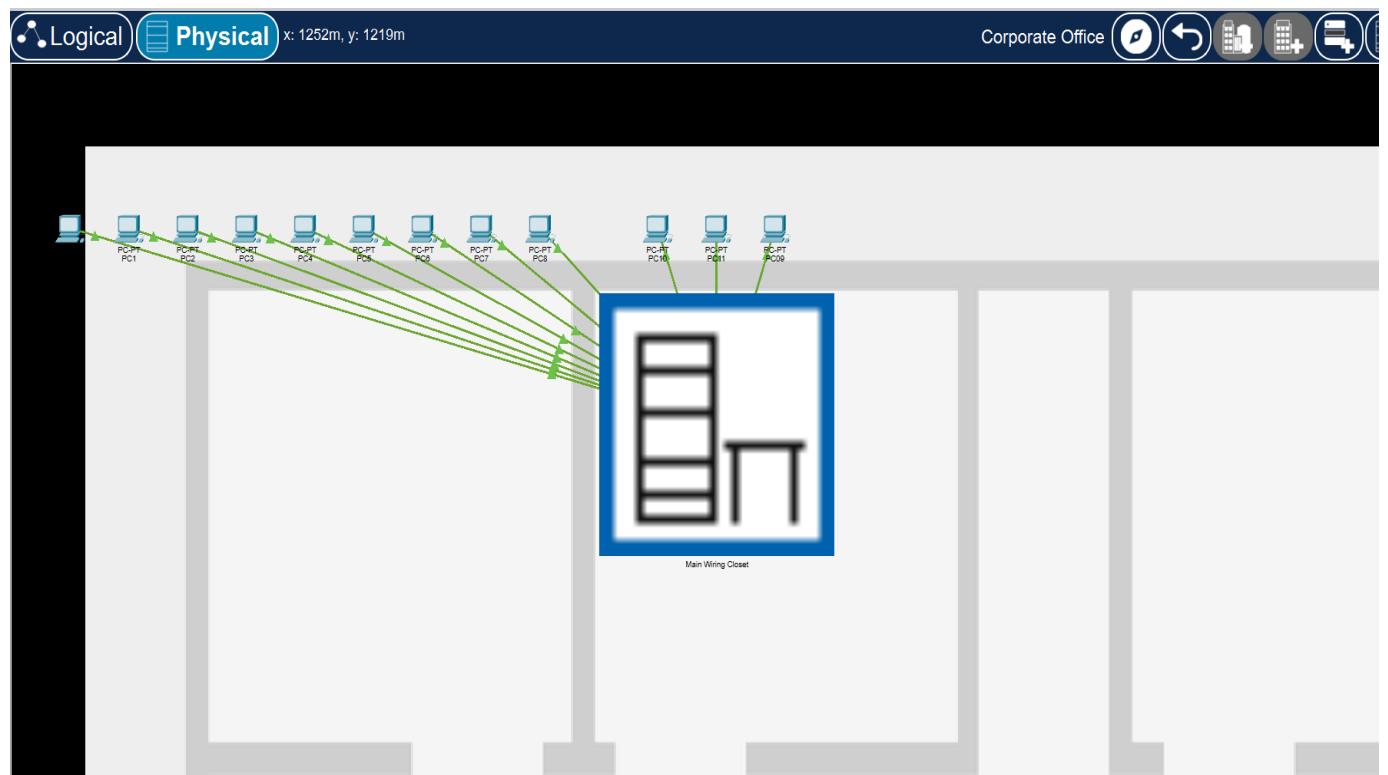


# Experiment No. 03

## **Logical Topology: verify Inter-VLANs on a Switched network**

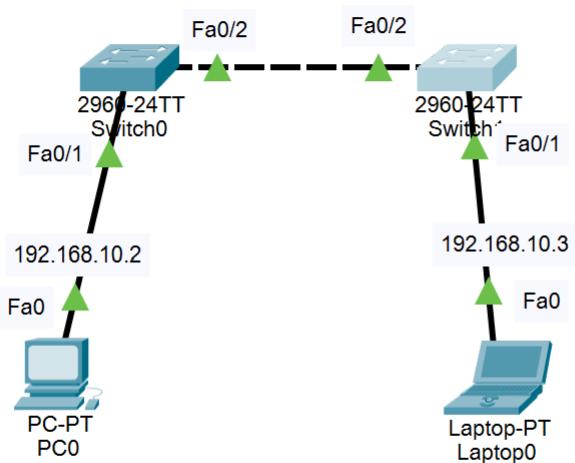


## **Physical Topology:**

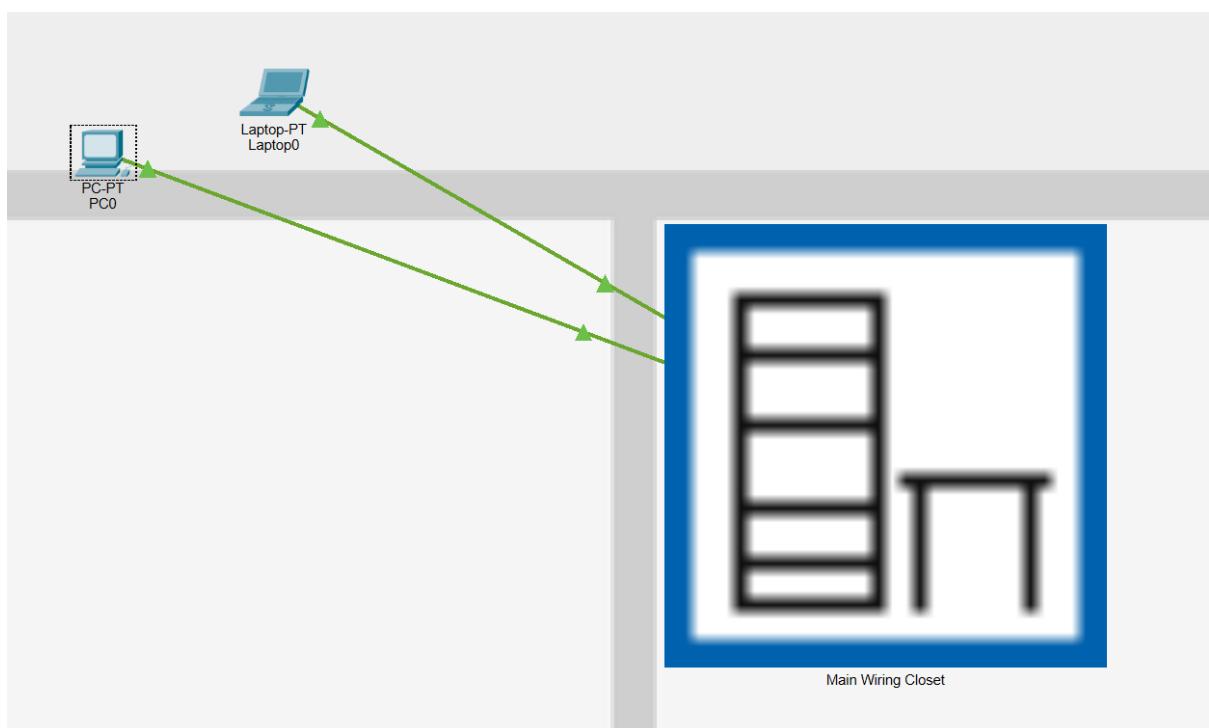


## Experiment No. 04

### **Logical Topology:**

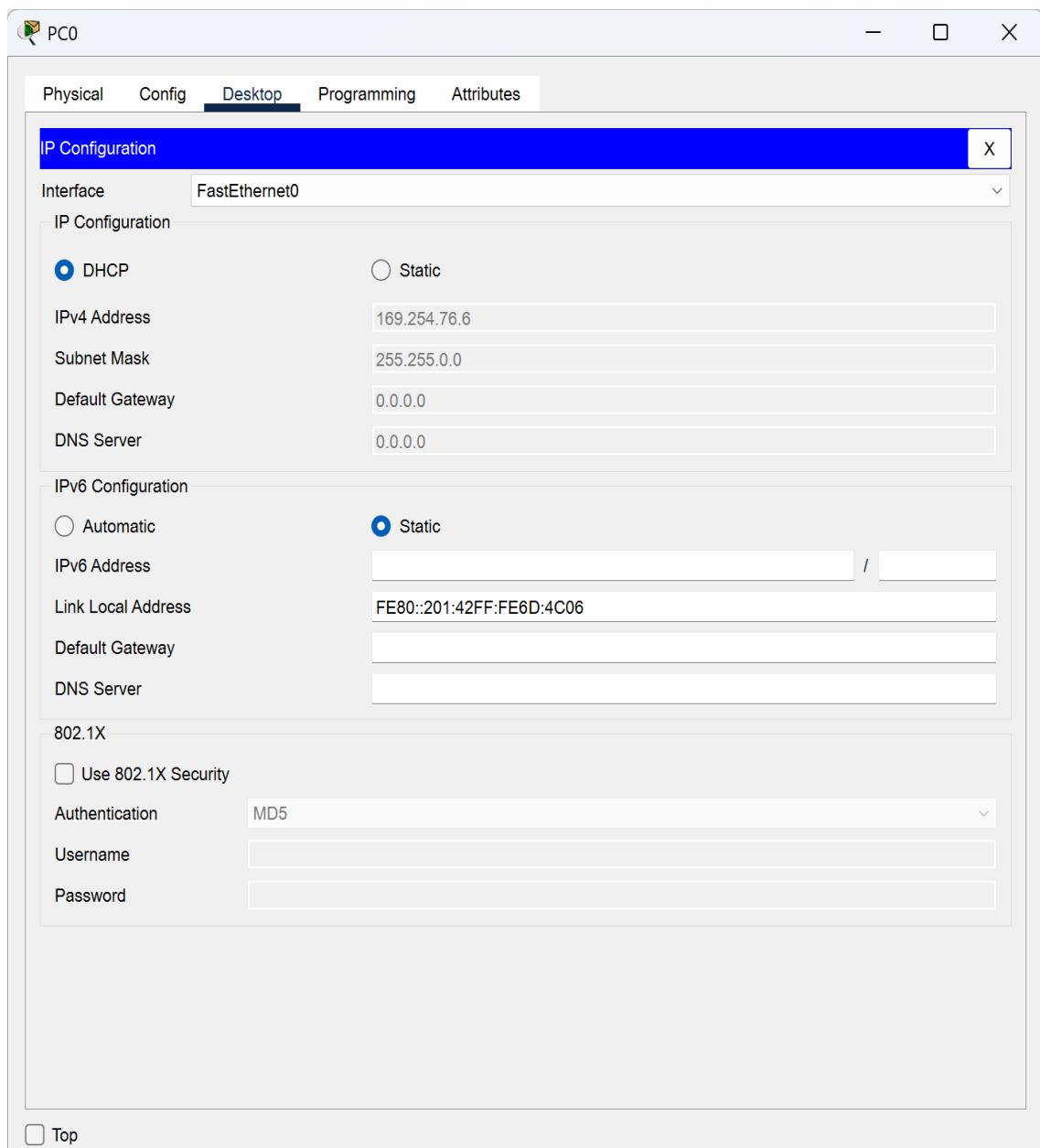
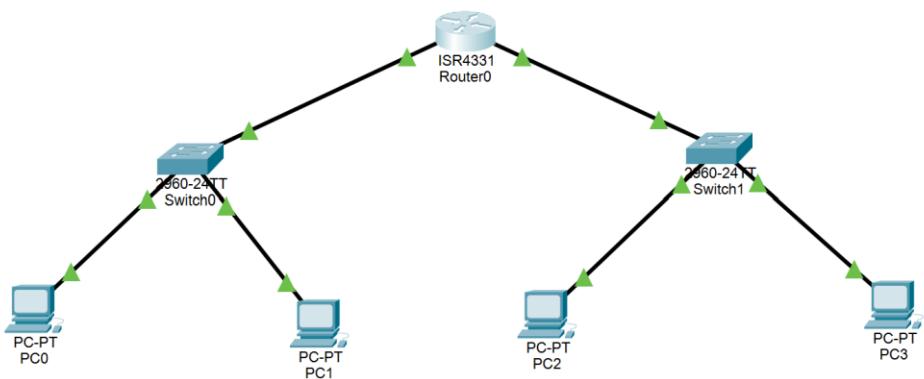


### **Physical Topology:**



# Experiment No. 05

## Logical Topology:



PC1

Physical Config Desktop Programming Attributes

### IP Configuration

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

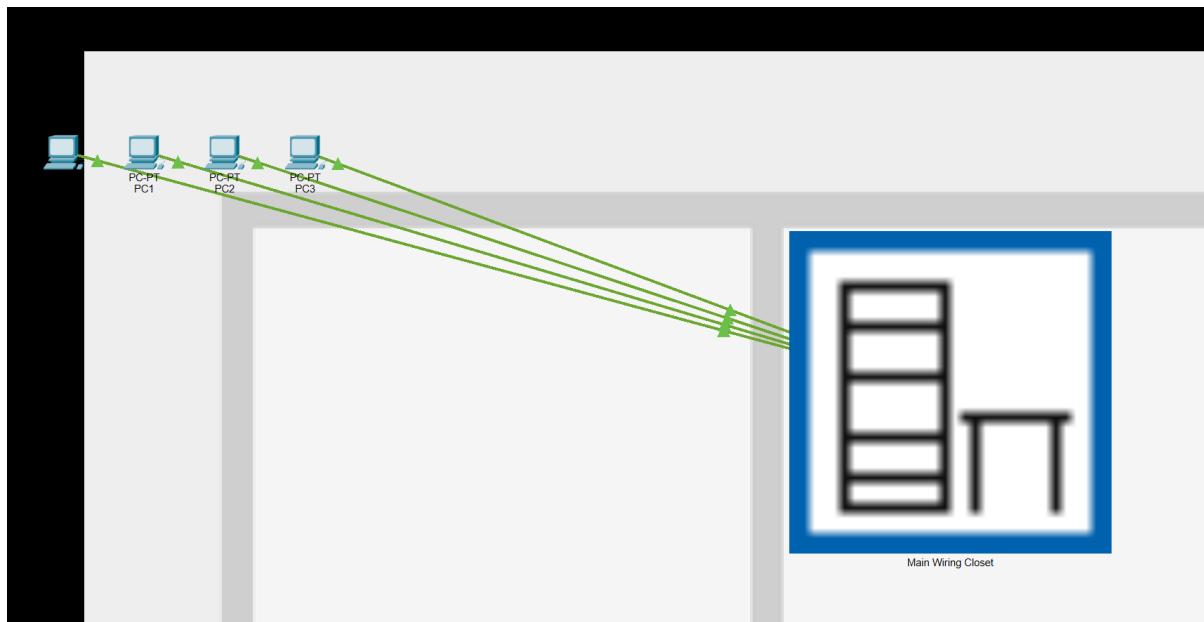
Use 802.1X Security

Authentication: MD5

Username:

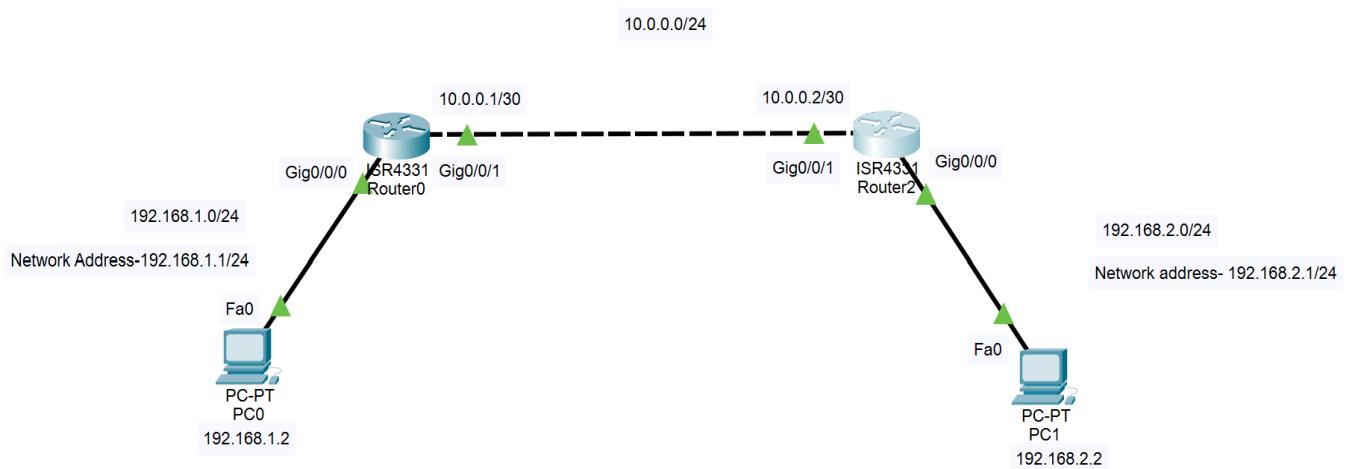
Password:

## Physical Topology:

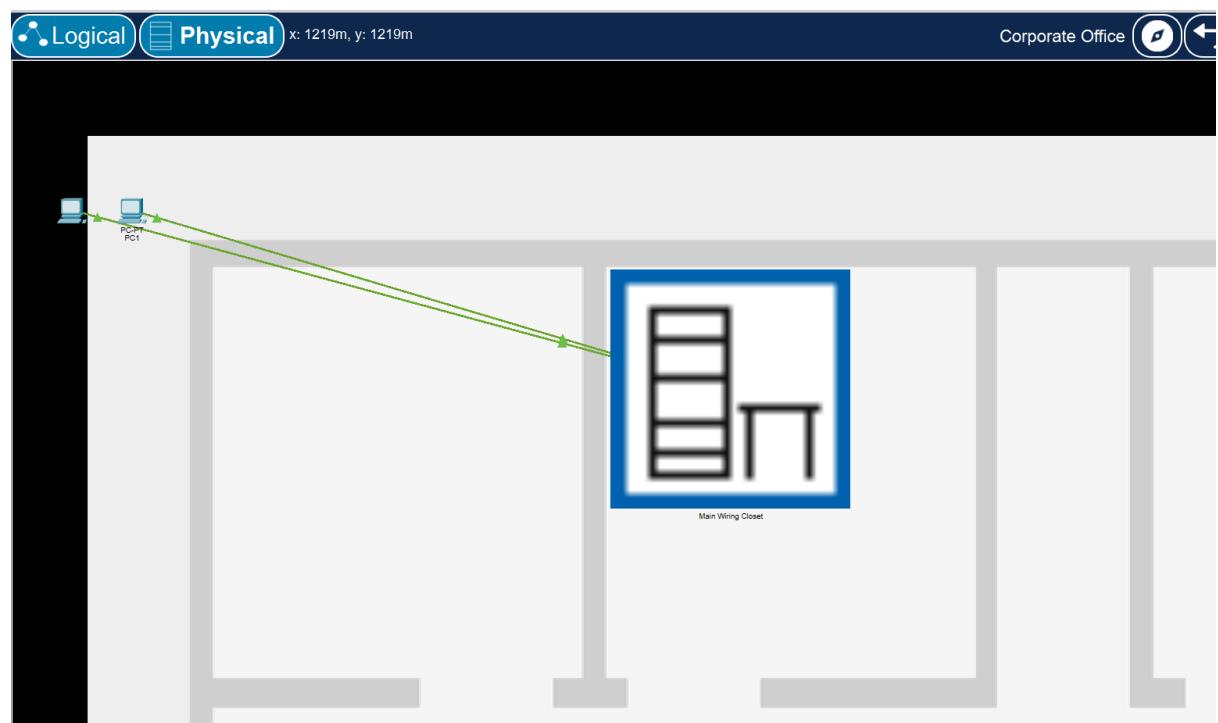


# Experiment No. 06

## Logical Topology:

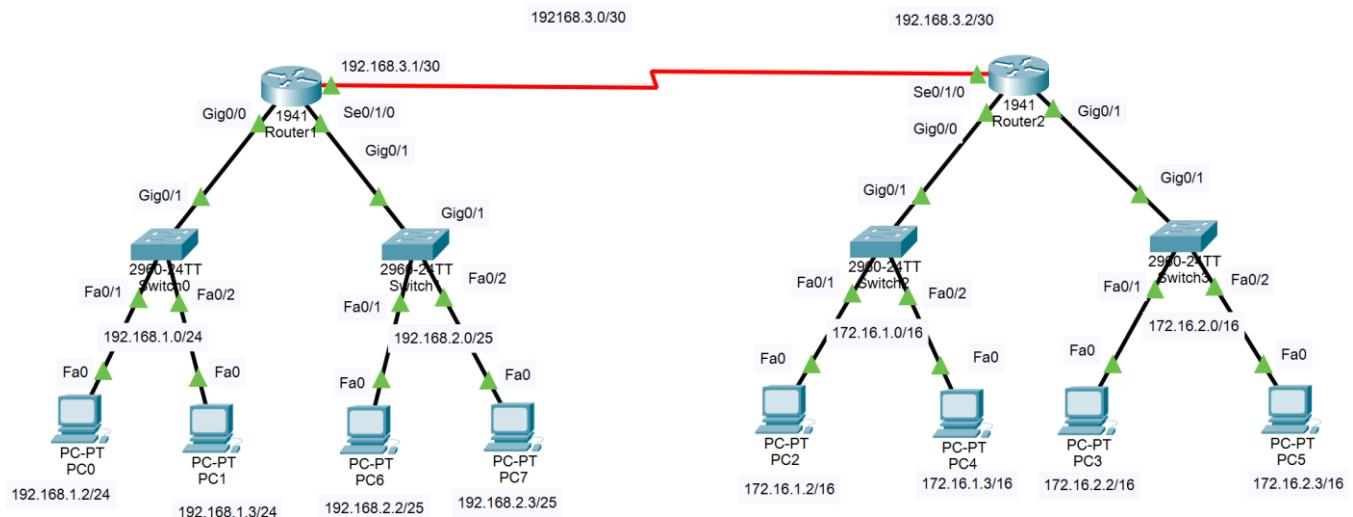


## Physical Topology:

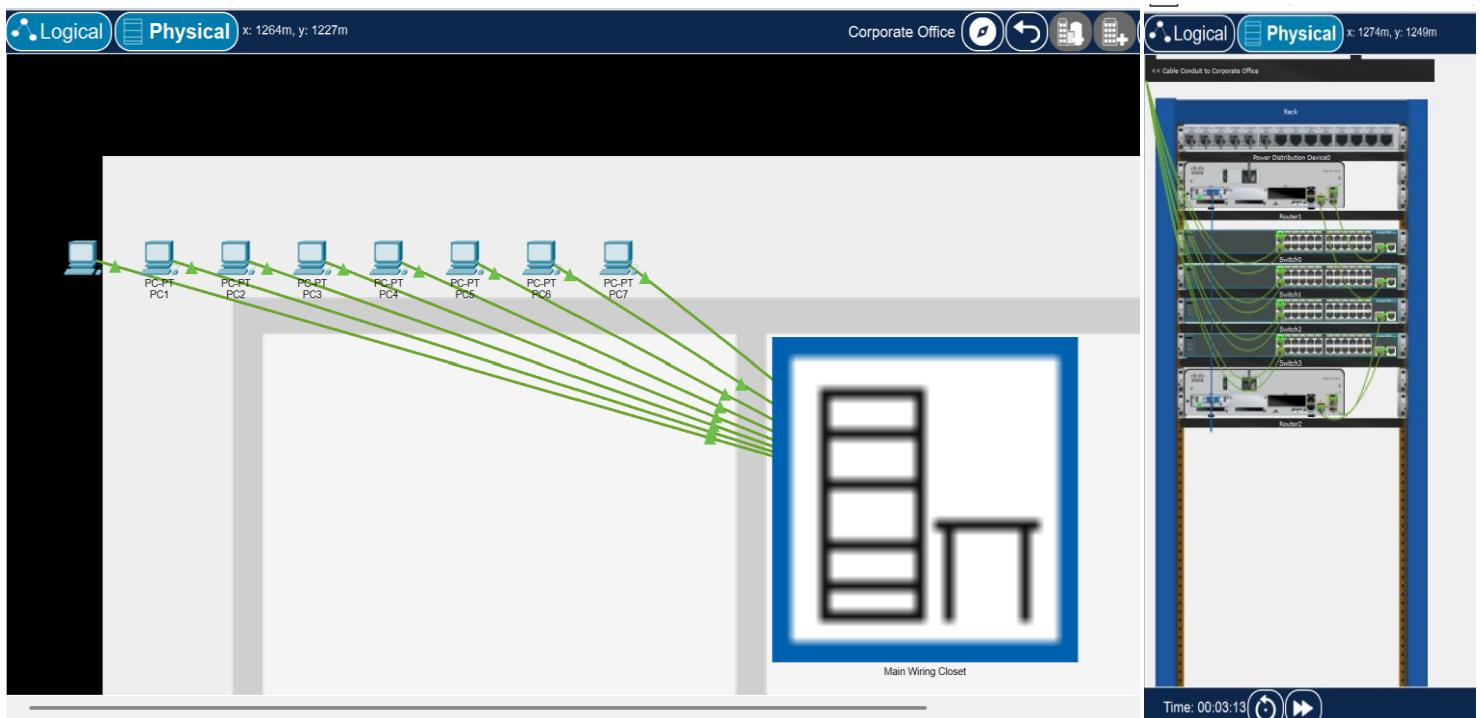


# Experiment No. 07

## Logical Topology:

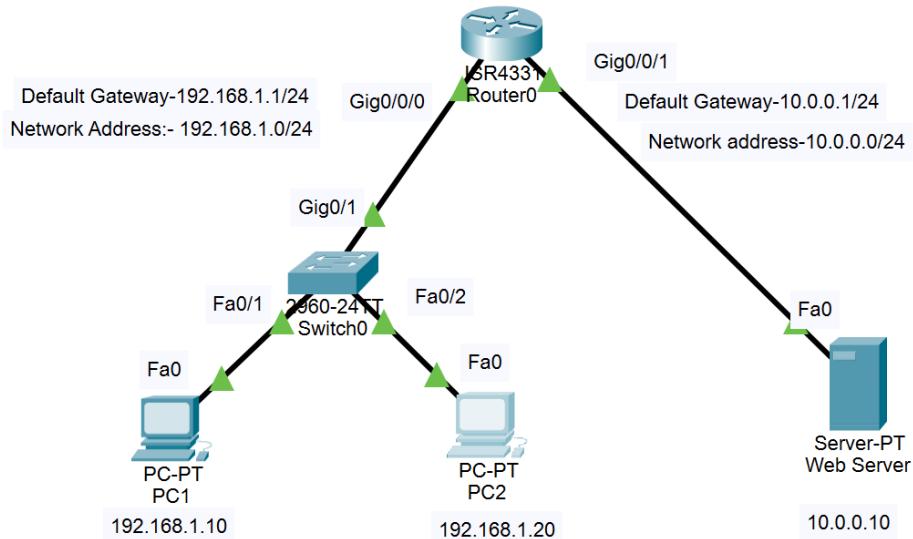


## Physical Topology:

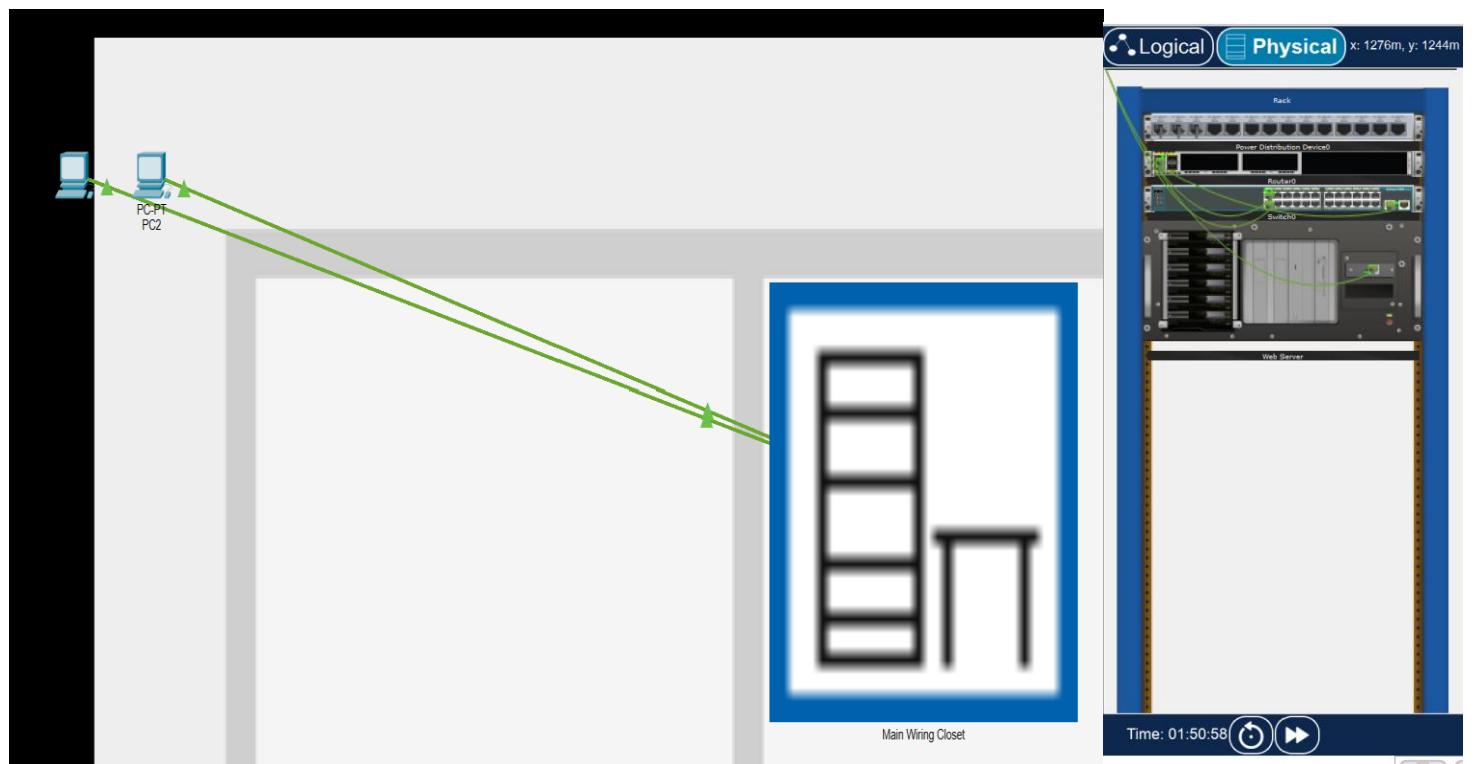


# Experiment No. 08

## **Logical Topology:**

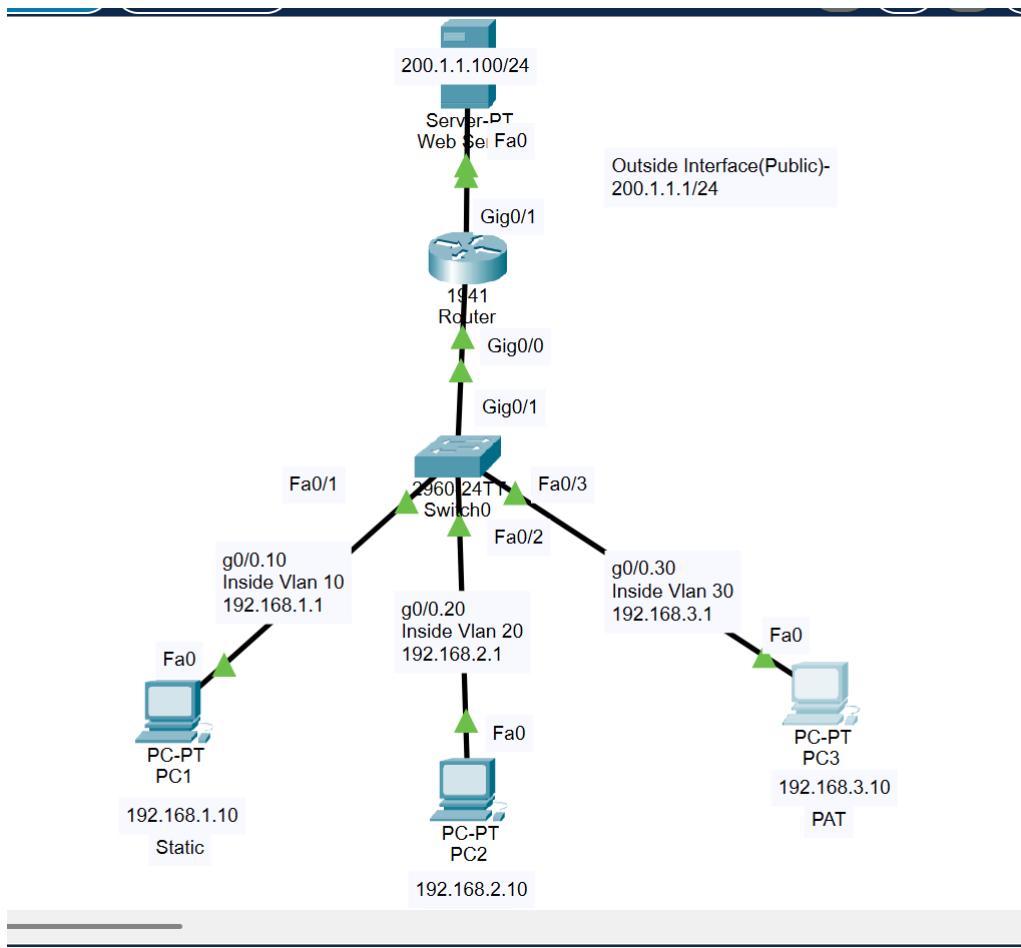


## **Physical Topology:**



# Experiment No. 09

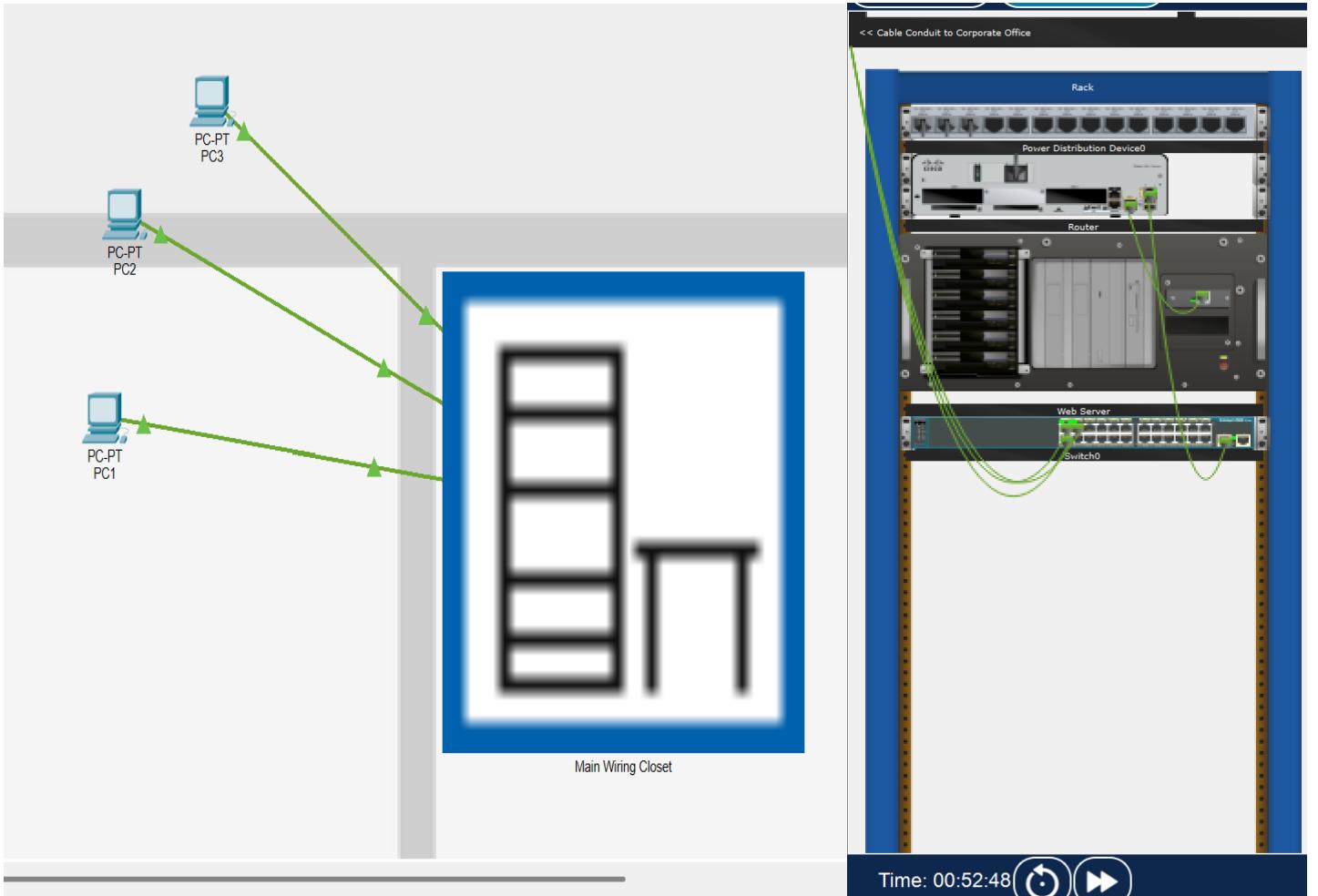
## **Logical Topology:**



## **IP Addressing Table**

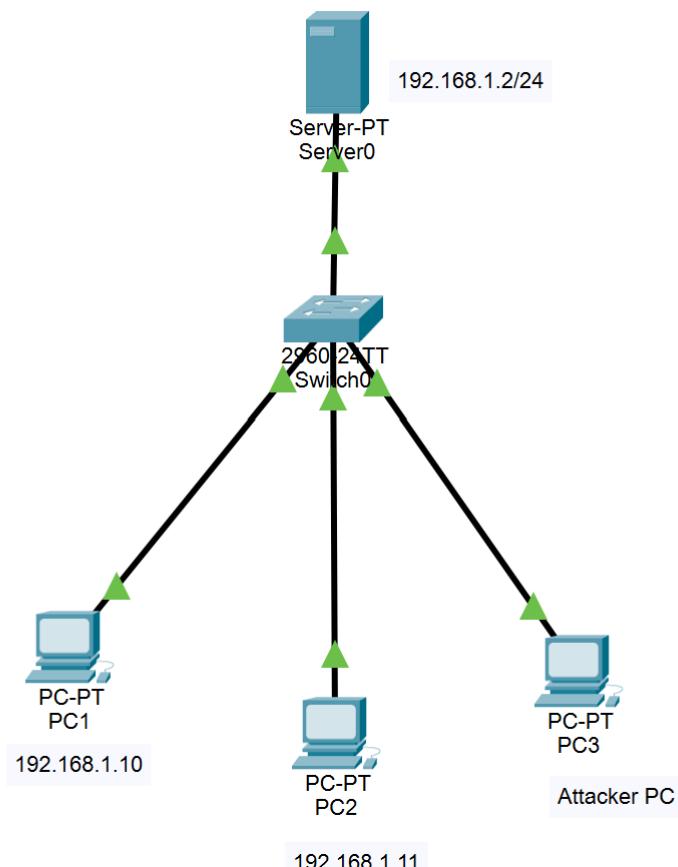
Device	Interface / Port	IP Address	Mask	Role
PC1	NIC (VLAN10)	192.168.1.10	255.255.255.0	Static-NAT host
PC2	NIC (VLAN20)	192.168.2.10	255.255.255.0	Dynamic-NAT host
PC3	NIC (VLAN30)	192.168.3.10	255.255.255.0	PAT host
Router R1	g0/0.10 (subif)	192.168.1.1	255.255.255.0	Inside VLAN10
Router R1	g0/0.20 (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:**

