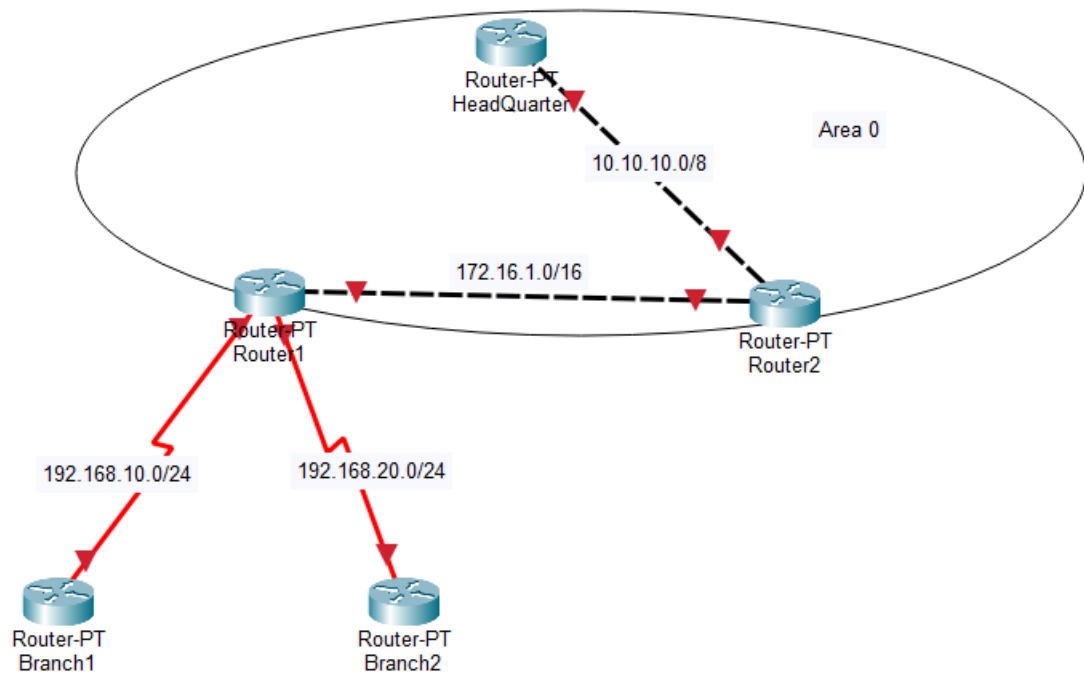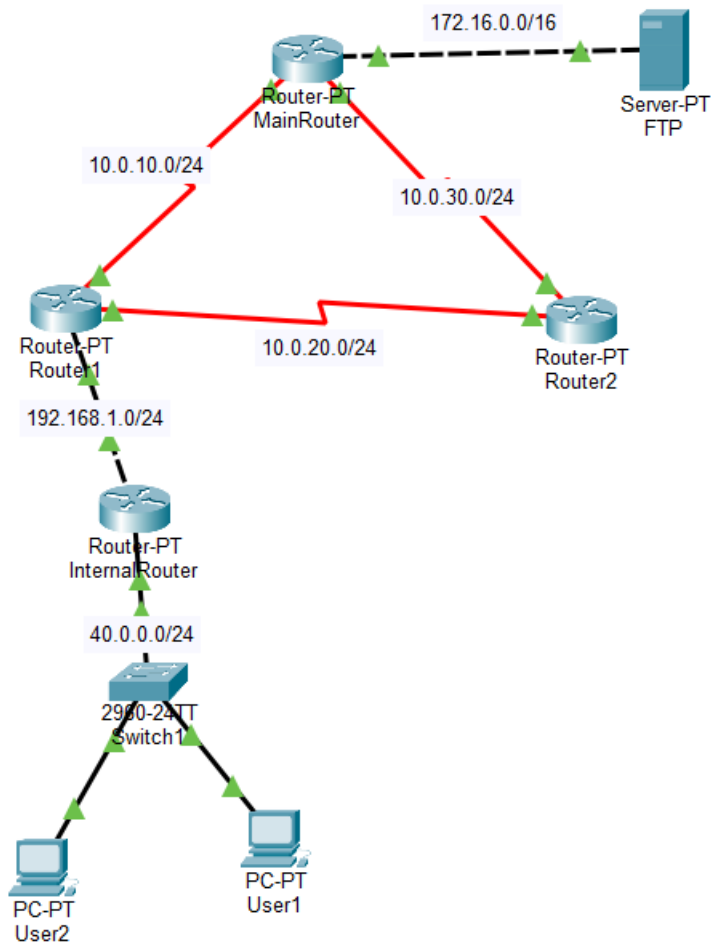# 1) Hybrid Routing

Configurations:

R1, R2 and Headquarter are connected dynamically in Area 0.

R1, Branch1 and Branch2 are securely connected via Static Routing.

Each branch router can access the Head quarter
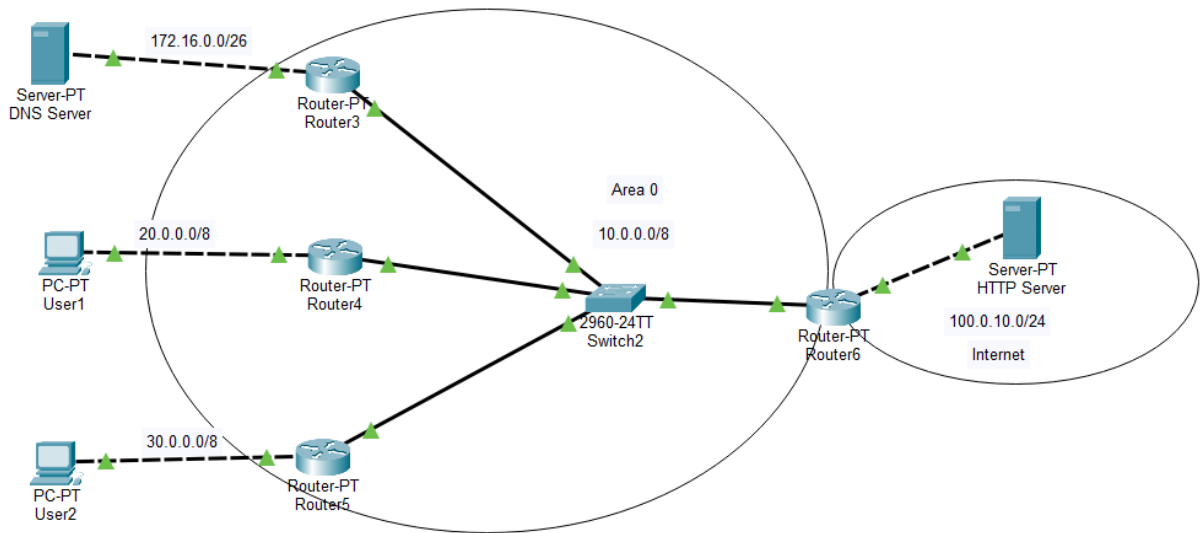
2) Static Routing – FTP

Configurations:

The four routers are securely connected via Static Routing

The users can access the FTP server even if we disable the connection between R1 and the main router.

User2 can't modify the FTP server files.

3) OSPF- Default Route - DNS
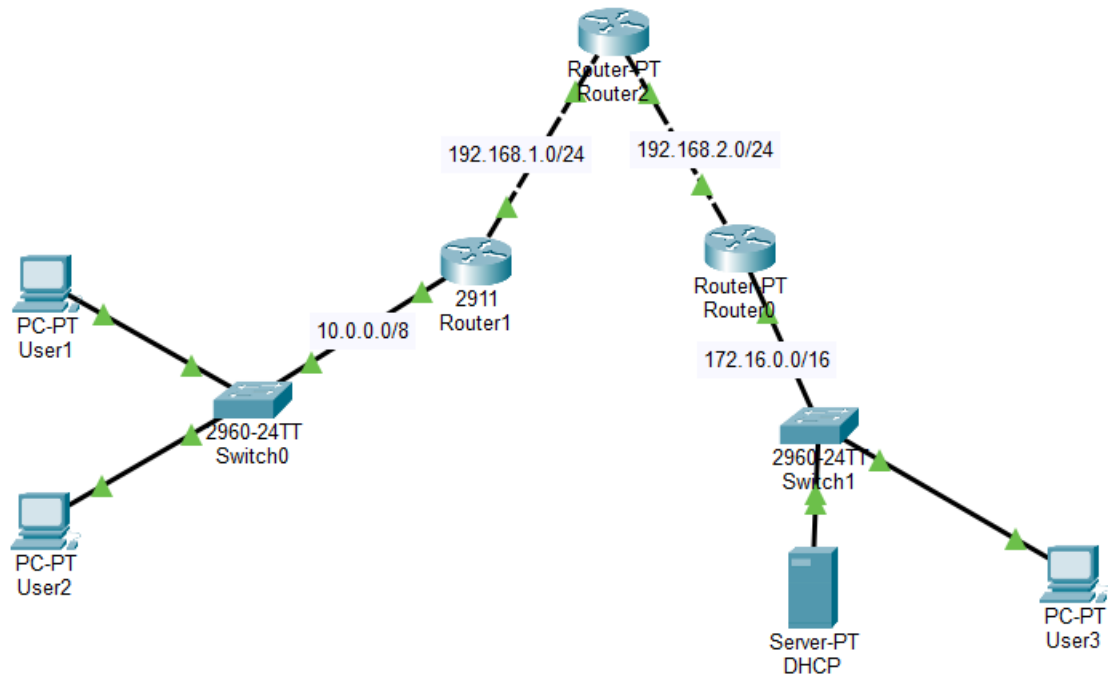

Configurations:

The HTTP server is on the internet "IP is unknown for internal users"

R3, R4, R5 and R6 are dynamically connected in area 0.

The DNS server is shared between devices in the internal network

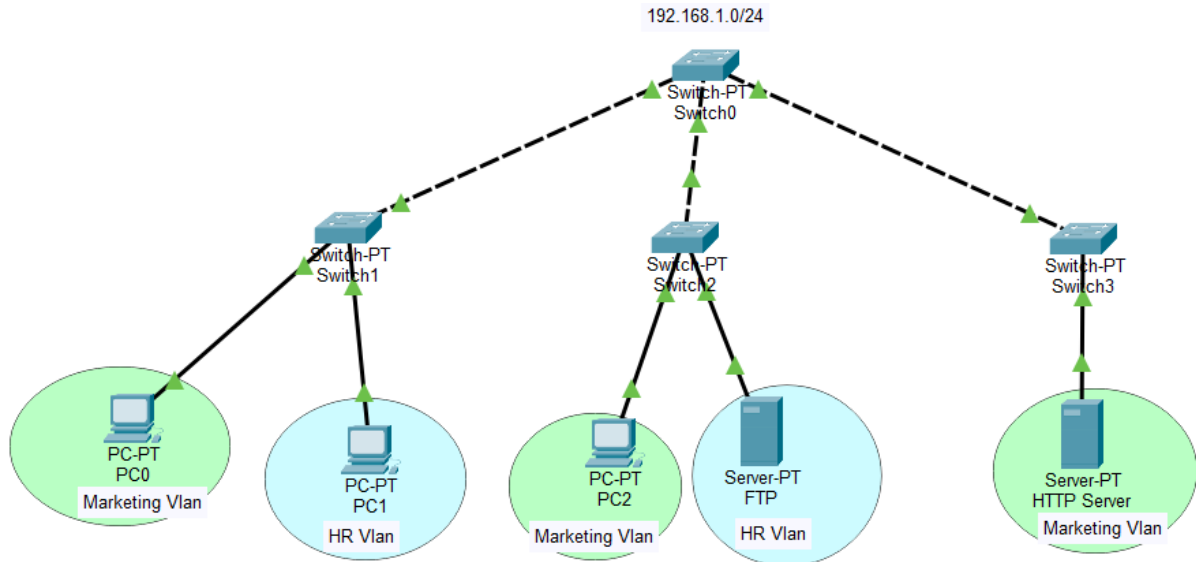Only user1 can the website "FinalProject.com", while user2 isn't allowed.

4) Static Host – DHCP

Configurations:

All the users take their IP configurations from DHCP server, but user1 and user2 can't access user3

5) Vlan - Servers

192.168.1.0/24

Switch-PT
Switch0

Switch-PT
Switch1

Switch-PT
Switch2

Switch-PT
Switch3

PC-PT
PC0
Marketing Vlan

PC-PT
PC1
HR Vlan

PC-PT
PC2
Marketing Vlan

Server-PT
FTP
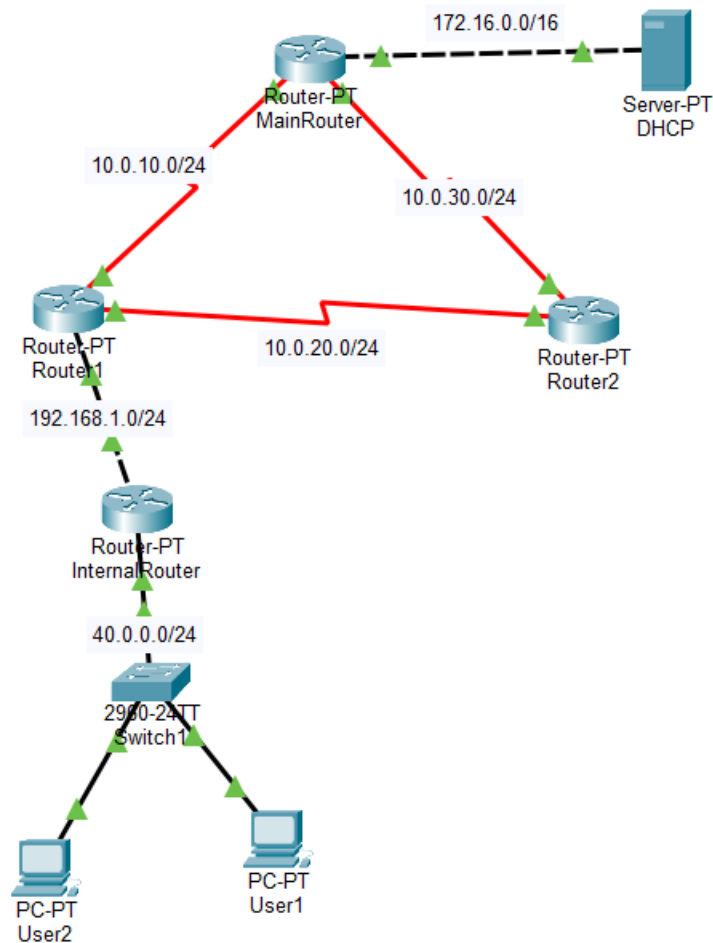HR Vlan

Server-PT
HTTP Server
Marketing Vlan

Configurations:

Users in the Marketing team can access their customized Website

The website displays (Welcome, Marketing Team!)

HR user can access the company files.

6) OSPF – DHCP

Configurations:

The four routers are connected dynamically in Area 0.

Users take their IP configurations from DHCP server