

Week #6

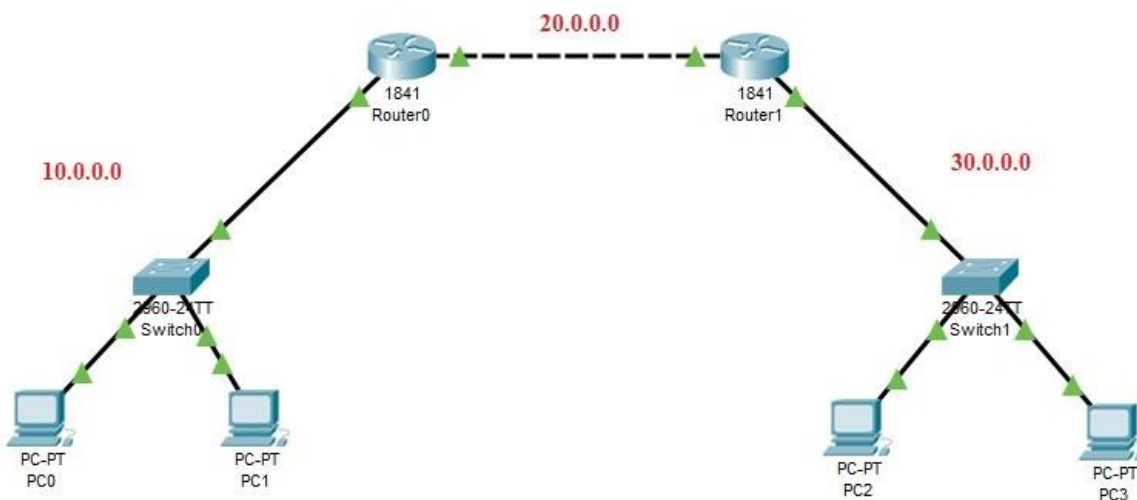
Designing and Simulation of Network Topology using Cisco Packet Tracer

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Section : D

Task 1 (Demo) Network Topology:



To replicate given scenario, create a topology in packet tracer, as shown in following image.

Configuration followed :

PC5

:

IP Address ---> 192.168.1.10

Gateway ---> 192.168.1.1

PC6

:

IP Address ---> 192.168.1.11

Gateway ---> 192.168.1.1

Router 4:

FastEthernet0/0 ---> 192.168.1.1

FastEthernet0/1 ---> 10.0.4.1

Router 5:

FastEthernet0/0 ---> 10.0.4.2

FastEthernet0/1 ---> 192.168.2.1

PC7

:

IP Address ---> 192.168.2.10

Gateway ---> 192.168.2.1

PC8

:

IP Address ---> 192.168.2.11

Gateway ---> 192.168.2.1

Routing Table Entries:

Router	Network	Next Hop
Router 4	192.168.2.0	10.0.4.2
Router 5	192.168.1.0	10.0.4.1

Execution Procedure:

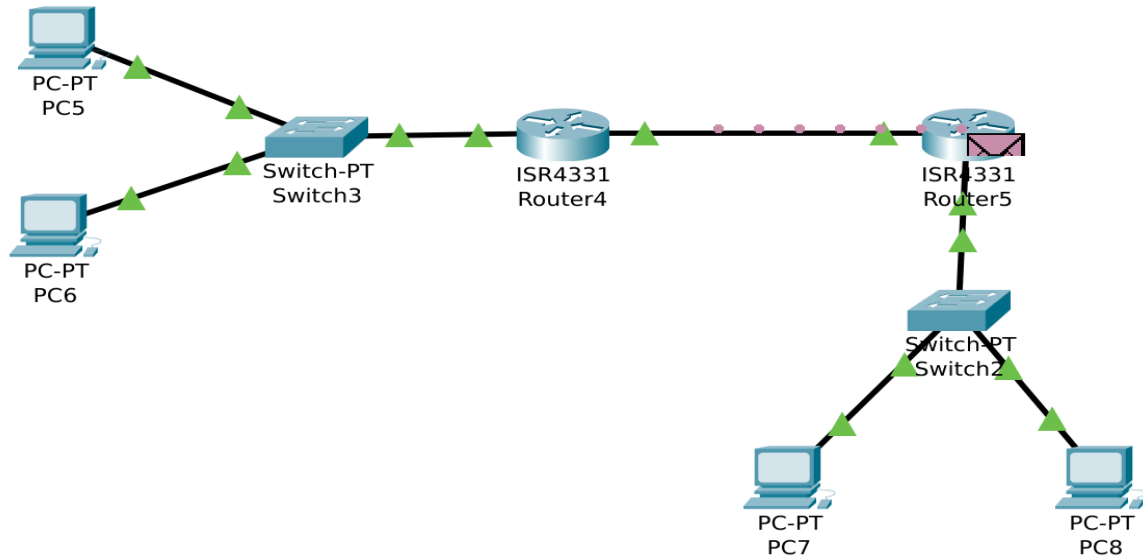
Task 1: Design a network topology with desktops, switches and routers similar to the network depicted in the above diagram.

Task 2: Configure the PCs and routers with the details provided above.

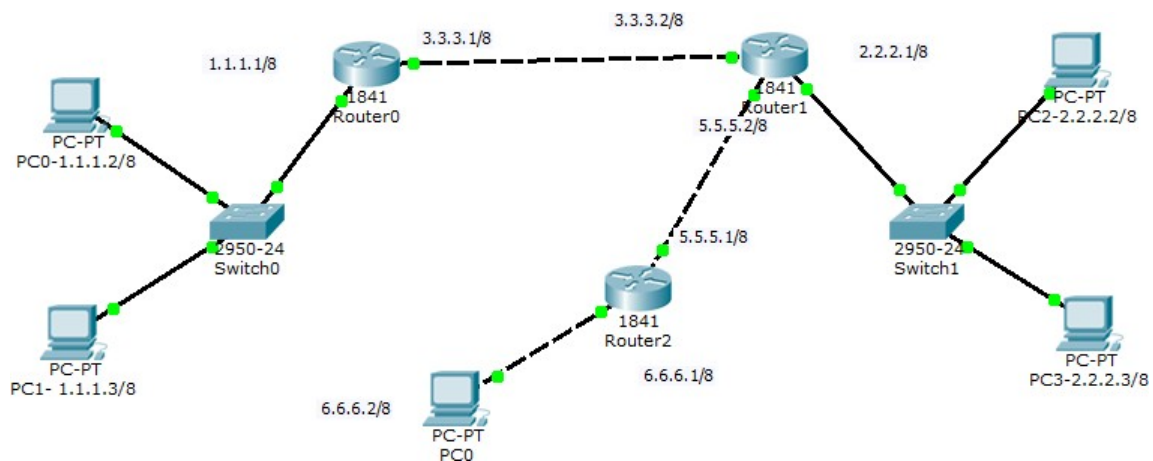
Task 3: Send a simple PDU from any PC on network 10.0.1.0 to any other PC on other network 10.0.3.0 and vice-versa.

Task 4: Simulate the network and observe the packet flow from one network to other.

Screenshot :



Task 2 (Mandatory for Week-6)



My implmentation :

