

ANS1. There is an organization A with multiple departments. Design a network for the HR department and the size of the department is 10 users. Also, show the communication between user number 1 and user number 5 of the network.

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COURSE: MCA 2A

R.No.: 2001048

SUBJECT: COMPUTER NETWORKS

SUBJECT CODE: PMC 202

ANS1.

- Problem statement :-

To design a network for HR department having 10 users using cisco packet tracer.

- Description :-

For designing a network having 10 users we need 10 pc's and a server to dynamically allocate the IP address, and at last a switch to connect those users. For designing this network following are some steps :-

- Step 1 :-

Open cisco packet tracer, choose 10 PC's a switch and a server from end devices

- Step 2 :-

Connect all the pc's with switch and the switch with the server.

BD

Step 3: Select the server, then config, then select (2) FastEthernet 0.

→ give the server an IP address.

Step 4: Now click on Services.

→ select DHCP

→ Default gateway (Put IP here)

→ DNS server (10.0.0.1)

→ Save.

Step 5: Select PC0.

→ go to desktop

→ go to IP configuration.

→ Select DHCP.

Step 6: Repeat step 5 for all other 9 PC's.

Step 7: For connecting User 1 and user 8.

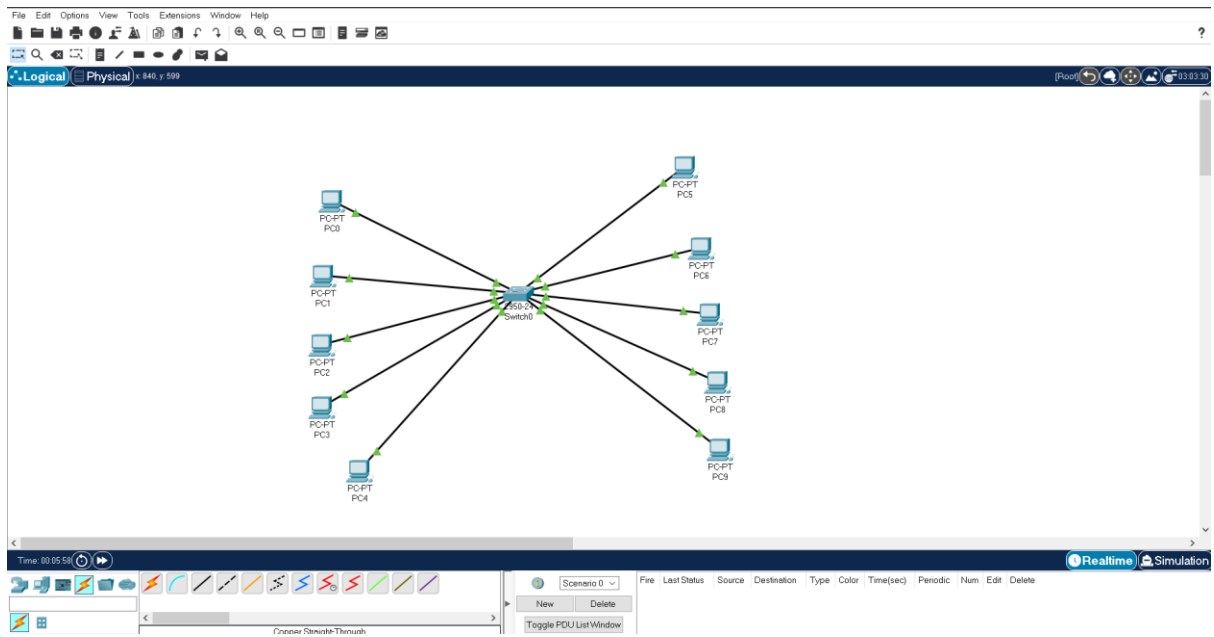
→ Add simple PDU

→ Click on PC0

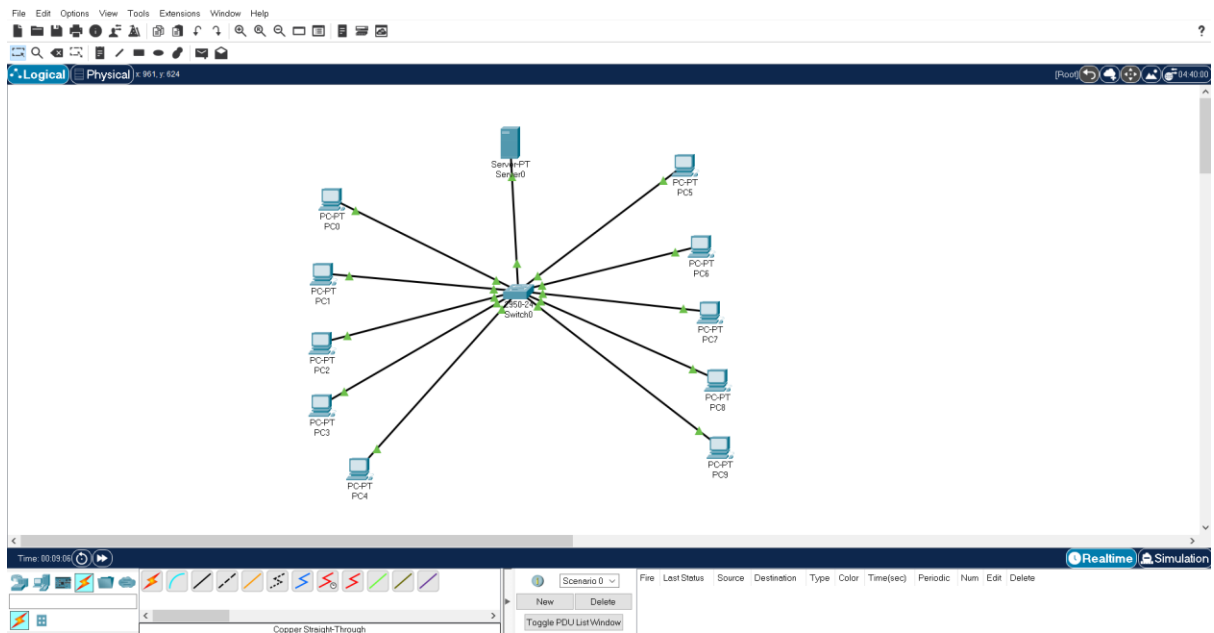
→ click on PC4

If the status shows Successful (bottom-right), then your connection is successfully established.

SP



Step 2:



Step 3 :

