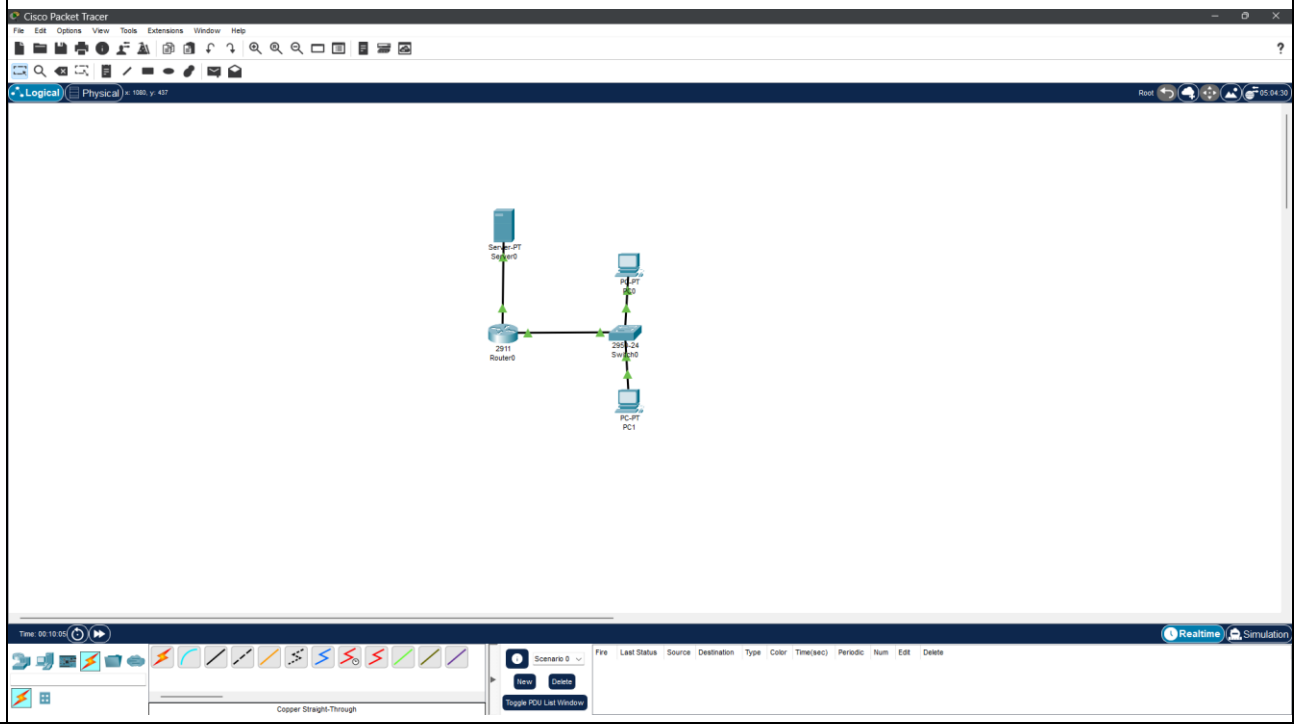
EXPERIMENT NO. 10

SEMESTER: V **DATE OF PERFORMANCE: 03rd October 2024**

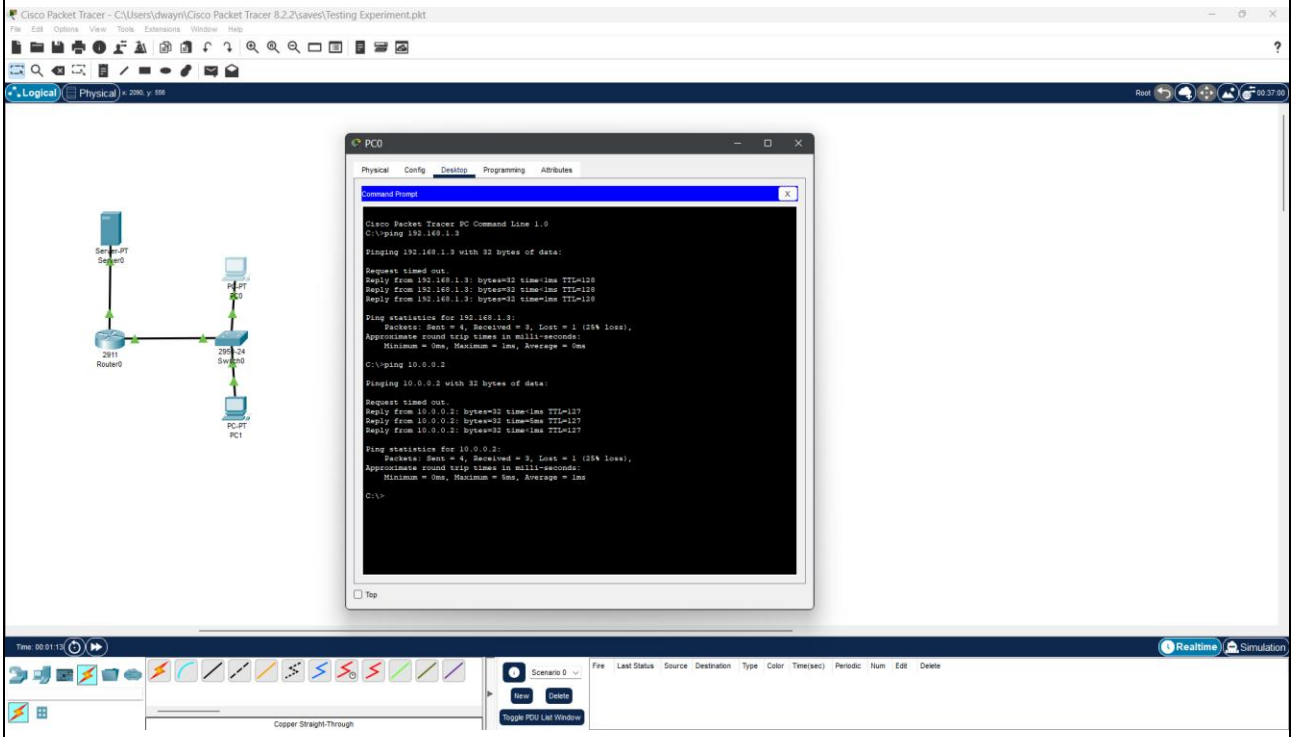
SUBJECT: CN Lab **DATE OF SUBMISSION: 11th October 2024**

NAME OF THE STUDENT: Dwayne George Nixon **ROLL NO.: 21**

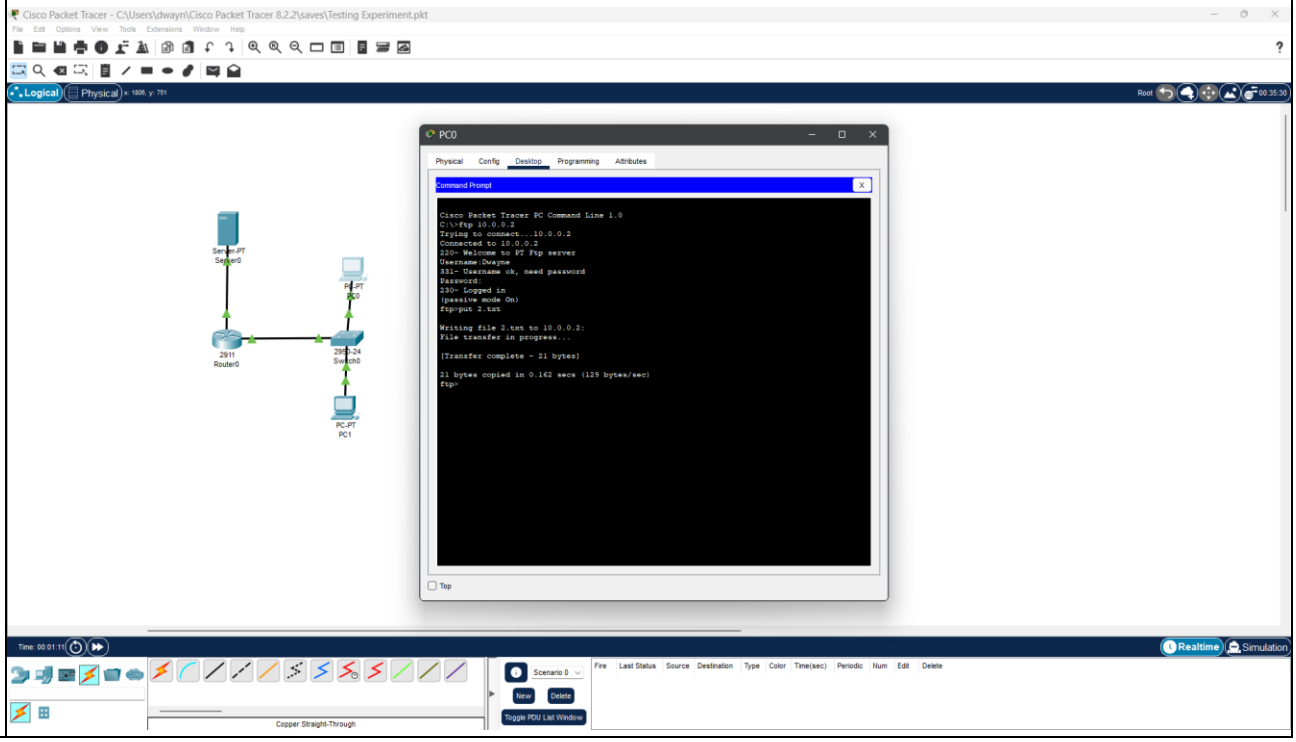
AIM	Perform remote login using FTP server
LEARNING OBJECTIVE	To understand how to perform file access, upload, and download using FTP.
LEARNING OUTCOME	The student will transfer/retrieve the files from client to server.
COURSE OUTCOME	CSL502.6: To learn the basic commands of FTP and explore how the protocol works in client-server communication.
PROGRAM OUTCOME	PO1,PO5,PO9,PO10,PSO1,PSO2,PSO3
BLOOM'S TAXONOMY LEVEL	Create
Theory	**Step-1: (Configuring Router0):** 1. Select a 2911 Router from Network Devices and drag and drop to the workspace. 2. Select Router0 and Go to Config. 3. Configure the GigabitEthernet0/0 by assigning IP address as 192.168.1.1 and subnet mask as 255.255.255.0 and turn on the port status 4. Configure the GigabitEthernet0/1 by assigning IP address as 10.0.0.1 and subnet mask as 255.0.0.0 and turn on the port status. **Step-2: (Configuring PCs)** 1. Select two PC-PT type PCs from End devices and drag and drop to the workspace. 2. Select PC0 and go to FastEthernet0 in config and assign IP address and subnet mask for the PC0 as 192.168.1.2, 255.255.255.0 3. Select PC1 and go to FastEthernet0 in config and assign IP address and subnet mask for the PC1 as 192.168.1.3, 255.255.255.0 4. For both the PCs (PC0, PC1) go to Global settings in config and Assign default gateway as 192.168.1.1 **Step-3: (Configuring Server0):** 1. Select a server from End devices and drag and drop to the workspace. 2. Go to the global settings in config and assign default gateway as 10.0.0.1 3. Go to FastEthernet0 and assign IP address and subnet mask as 10.0.0.2, 255.0.0.0 4. Go to services and open FTP Service.

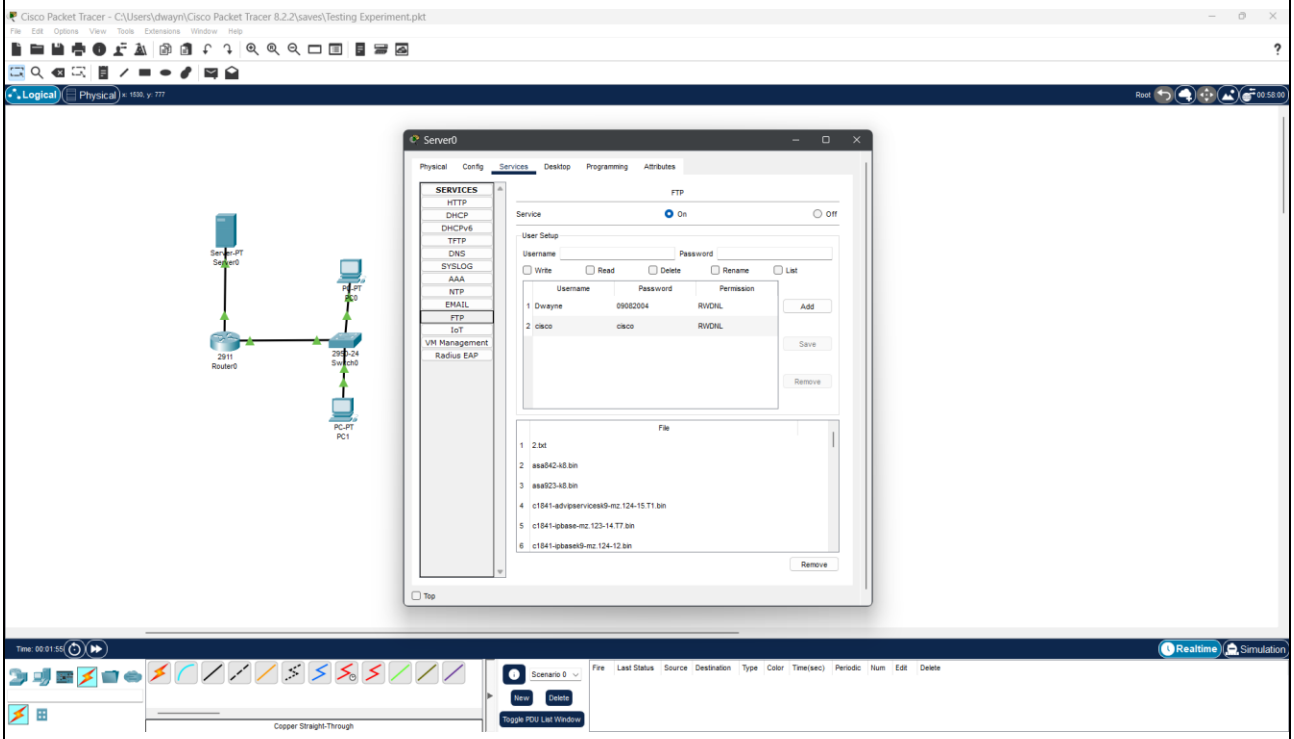
	5. Go to user setup and create a username and password. 6. Select all the permissions (Write, Read, Delete, Rename, List) and add the user. **Step-4: (Configuring Switch and Making connections):** 1. Select a 2950-24 Switch from the network devices and drag and drop to the workspace. 2. Connect FastEthernet0 port of PC0 to the FastEthernet0/1 port of switch0 using Copper Straight-Through cable. 3. Connect FastEthernet0 port of PC1 to the FastEthernet0/2 port of switch0 using Copper Straight-Through cable. 4. Connect FastEthernet0/3 port of switch0 to the GigabitEthernet0/0 of Router0 using Copper Straight-Through cable. 5. Connect GigabitEthernet0/1 port of Router0 to the FastEtherner0 of server0 using Copper Straight-Through cable. Checking connections from PC0 to the other hosts in the network using ping Command in Command Prompt.
LAB EXERCISE	• Checking connections from PC0 to the other hosts in the network using ping Command in Command Prompt. • Checking connections from PC0 to the other hosts in the network using ping Command in Command Prompt. • Creating a file named 2.txt for writing(uploading) into FTP Server. **Append all snapshots here.** **Output:** 

Checking connections from PC0 to the other hosts in the network using ping Command in Command Prompt.



Creating a file named 2.txt for writing(uploading) into FTP Server.





REFERENCES

- B.A. Forouzan, “Data Communications and Networking”, TMH,Fourth Edition.
- https://www.geeksforgeeks.org/file-transfer-protocol-server-configuration-using-cisco-packet-tracer/
- https://youtu.be/FMyTl8qA48k?si=6Uu4_daaVOpIOgDG