

Date: 16/ 07 /2025

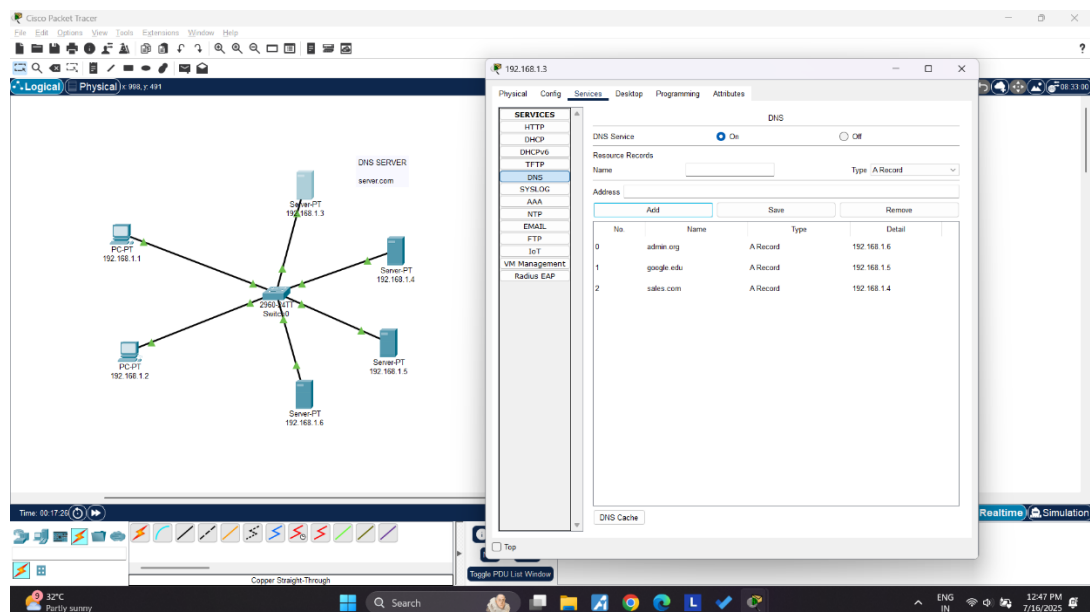
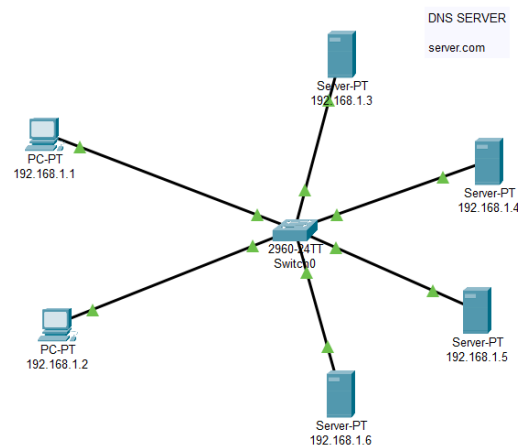
Lab Practical #07:

Study the application layer protocol DNS, DHCP, FTP.

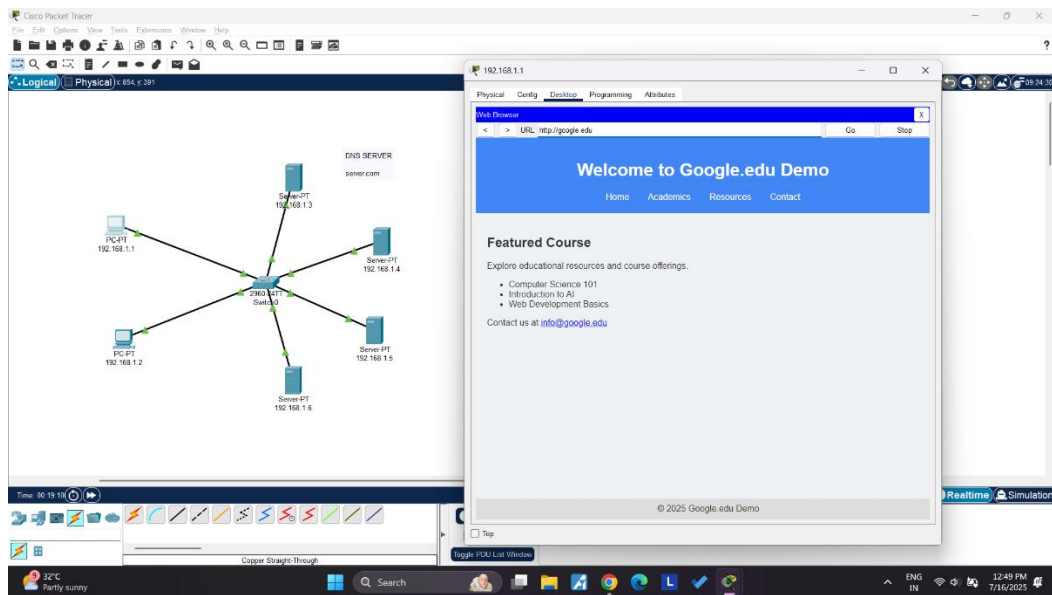
Practical Assignment #07:

1. Implement the application layer protocol DNS, DHCP, and FTP. Also check connectivity between them using ping command or PDU utility.

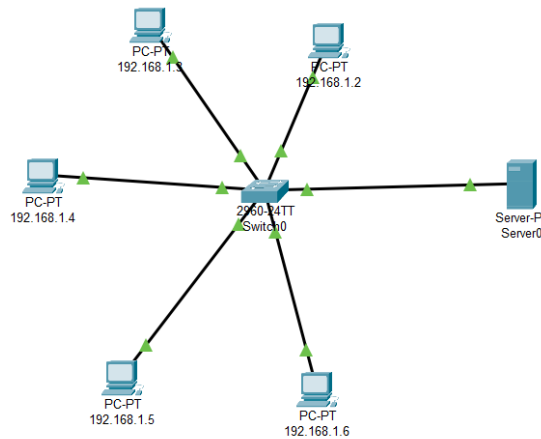
➤ DNS



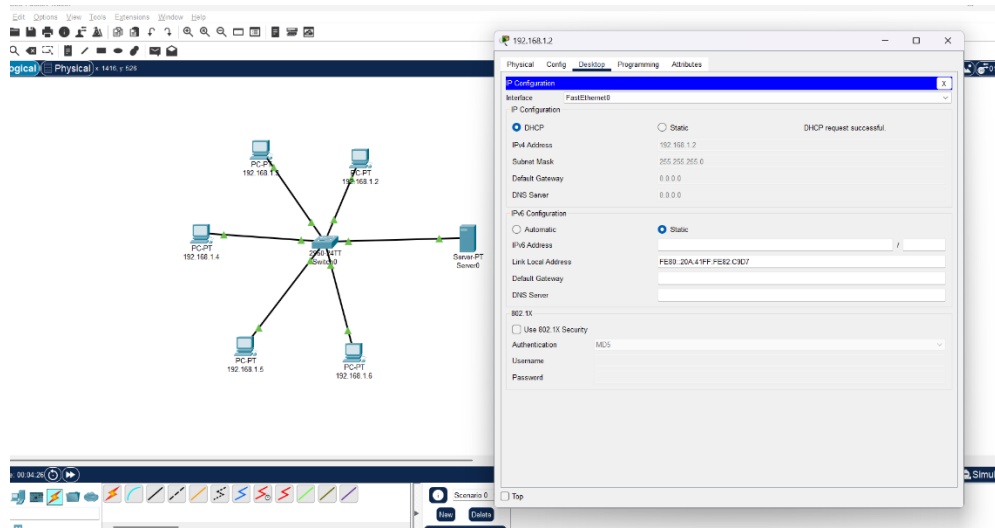
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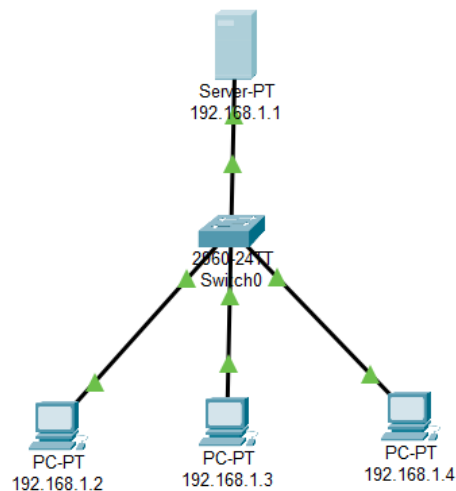
➤ DHCP



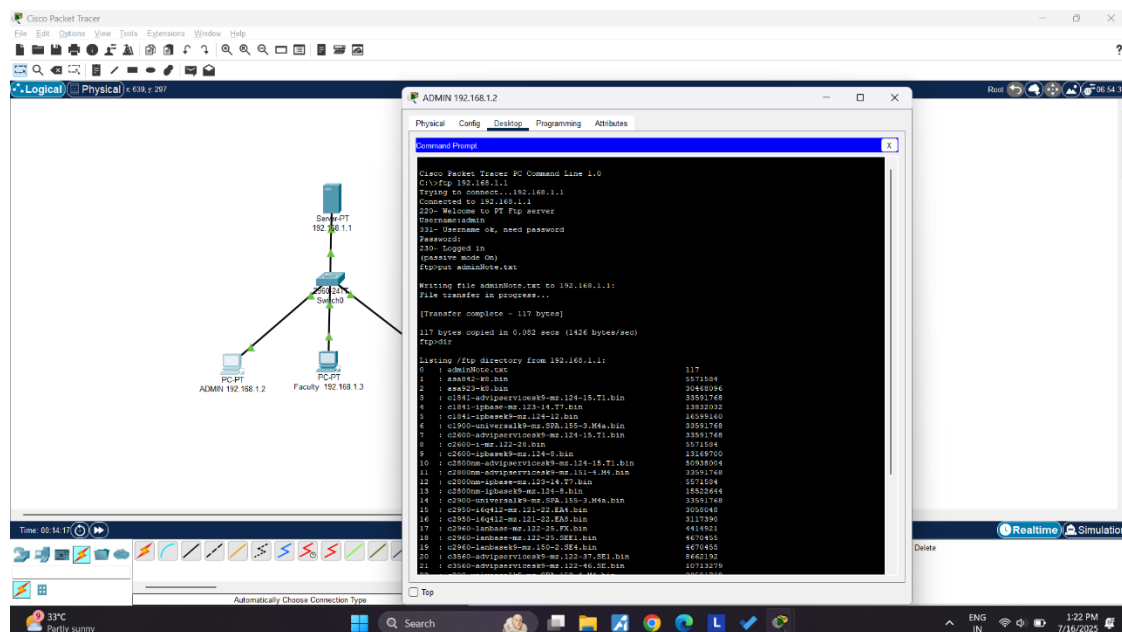
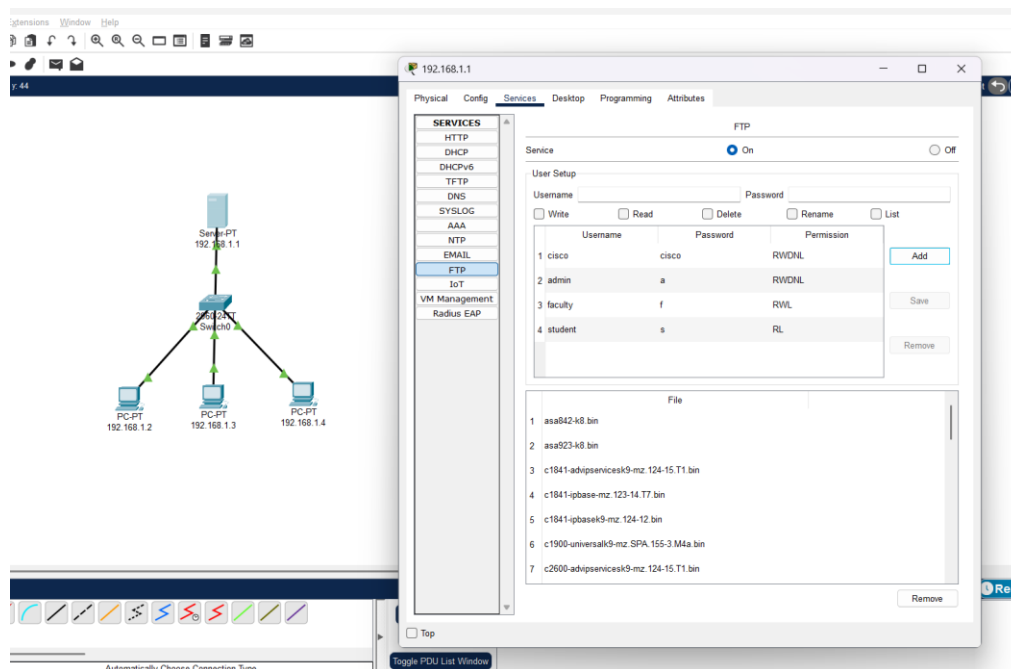
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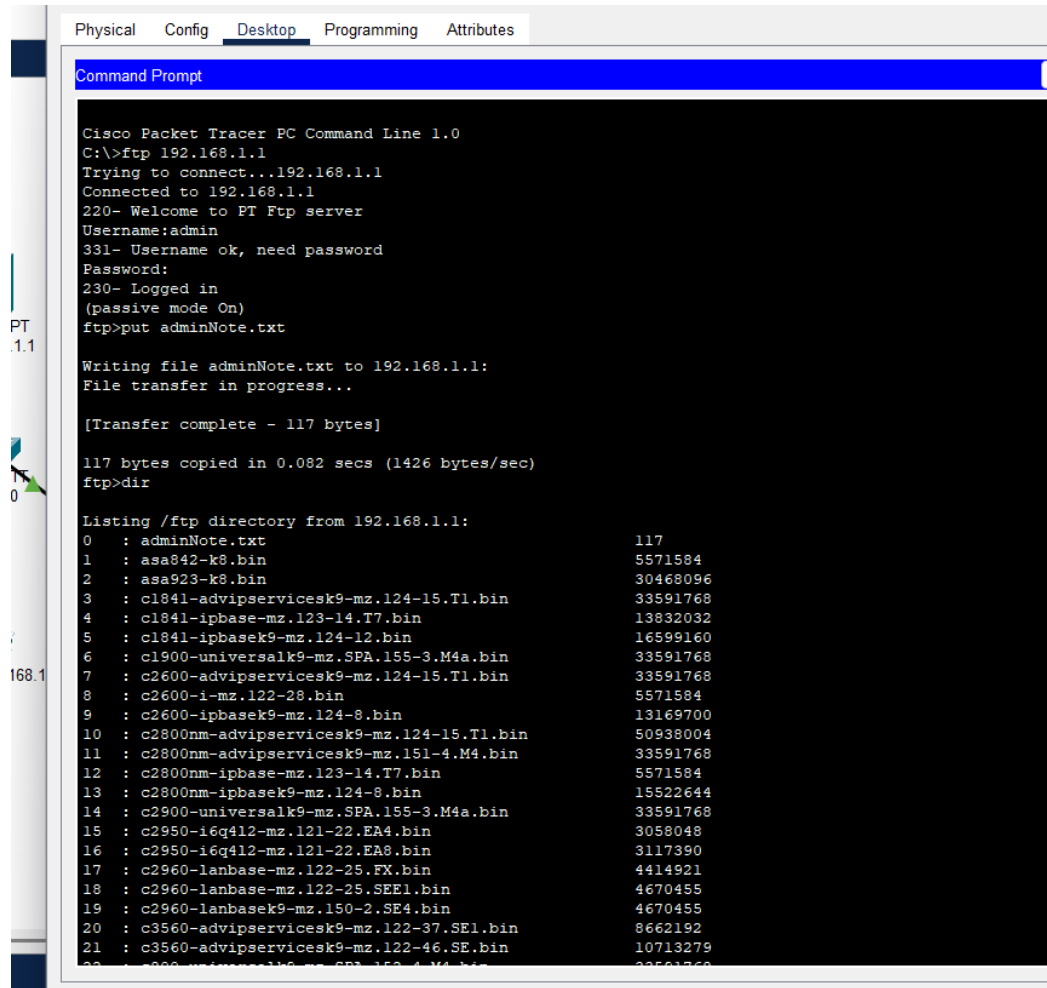
➤ FTP



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The screenshot shows a Cisco Packet Tracer PC Command Line window for a device named PT 168.1.1. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ftp 192.168.1.1
Trying to connect...192.168.1.1
Connected to 192.168.1.1
220- Welcome to PT Ftp server
Username:admin
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>put adminNote.txt

Writing file adminNote.txt to 192.168.1.1:
File transfer in progress...

[Transfer complete - 117 bytes]

117 bytes copied in 0.082 secs (1426 bytes/sec)
ftp>dir

Listing /ftp directory from 192.168.1.1:
 0  : adminNote.txt                               117
 1  : asa842-k8.bin                               5571584
 2  : asa923-k8.bin                               30468096
 3  : cl841-advipservicesk9-mz.124-15.T1.bin      33591768
 4  : cl841-ipbase-mz.123-14.T7.bin               13832032
 5  : cl841-ipbasek9-mz.124-12.bin                16599160
 6  : cl900-universalk9-mz.SPA.155-3.M4a.bin      33591768
 7  : c2600-advipservicesk9-mz.124-15.T1.bin      33591768
 8  : c2600-i-mz.122-28.bin                       5571584
 9  : c2600-ipbasek9-mz.124-8.bin                 13169700
10  : c2800nm-advipservicesk9-mz.124-15.T1.bin     50938004
11  : c2800nm-advipservicesk9-mz.151-4.M4a.bin     33591768
12  : c2800nm-ipbase-mz.123-14.T7.bin             5571584
13  : c2800nm-ipbasek9-mz.124-8.bin              15522644
14  : c2900-universalk9-mz.SPA.155-3.M4a.bin      33591768
15  : c2950-i6q412-mz.121-22.EA4.bin            3058048
16  : c2950-i6q412-mz.121-22.EA8.bin            3117390
17  : c2960-lanbase-mz.122-25.FX.bin             4414921
18  : c2960-lanbase-mz.122-25.SEE1.bin           4670455
19  : c2960-lanbasek9-mz.150-2.SE4.bin           4670455
20  : c3560-advipservicesk9-mz.122-37.SE1.bin     8662192
21  : c3560-advipservicesk9-mz.122-46.SE1.bin    10713279
22  : c3560-universalk9-mz.SPA.152-4.M4a.bin     33591768
```

Instructions:



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Semester 5th | Practical Assignment | Computer Networks (2301CS501)

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1. Protocol-wise configuration setup screenshot.
2. Mention IP address of each pc as label.
3. Ping command or PDU screenshot between two pcs.