

Topics:- FTP, Email, DNS, DHCP, and Rip Routing

```
32 : sampleFile.txt
ftp>get pt1000-i-mz.122-28.bin
26
Reading file pt1000-i-mz.122-28.bin from 192.168.10.2:
File transfer in progress...
[Transfer complete - 5571584 bytes]
5571584 bytes copied in 21.453 secs (59507 bytes/sec)
ftp>quit
221- Service closing control connection.
C:\>
C:\>dir
Volume in drive C has no label.
Volume Serial Number is 5E12-4AF3
Directory of C:\

1/1/1970      5:30 PM           5571584  pt1000-i-mz.122-28.
1/1/1970      5:30 PM             26      sampleFile.txt
                           5571610 bytes          2 File(s)
C:\>
```

```
23 : cat3k_caa-universalk9.16.03.02.SPA.bin
24 : cgr1000-universalk9-mz.SPA.154-2.CG
25 : cgr1000-universalk9-mz.SPA.156-3.CG
26 : ir800-universalk9-bundle.SPA.156-3.M.bin
27 : ir800-universalk9-mz.SPA.155-3.M
28 : ir800-universalk9-mz.SPA.156-3.M
29 : ir800_yocto-1.7.2.tar
30 : ir800_yocto-1.7.2_python-2.7.3.tar
31 : pt1000-i-mz.122-28.bin
32 : sampleFile.txt
ftp>get pt1000-i-mz.122-28.bin

Reading file pt1000-i-mz.122-28.bin from 192.168.10.2:
File transfer in progress...

[Transfer complete - 5571584 bytes]

5571584 bytes copied in 21.453 secs (59507 bytes/sec)
ftp>quit

221- Service closing control connection.
C:\>
C:\>
```

```
5 : cgr1000-universalk9-mz.SPA.154-2.CG
6 : ir800-universalk9-bundle.SPA.156-3.CG
7 : ir800-universalk9-mz.SPA.155-3.M
8 : ir800-universalk9-mz.SPA.156-3.M
9 : ir800_yocto-1.7.2.tar
0 : ir800_yocto-1.7.2_python-2.7.3.tar
1 : pt1000-i-mz.122-28.bin
2 : sampleFile.txt
tp>get pt1000-i-mz.122-28.bin

Reading file pt1000-i-mz.122-28.bin from 192.168.10.2
File transfer in progress...

Transfer complete - 5571584 bytes]
5571584 bytes copied in 21.453 secs (59507 bytes/sec)
tp>quit

21- Service closing control connection.
:\>
:\>d
16 : c2960_lanbase-mz.122-25.FX.bin
17 : c2960_lanbase-mz.122-25.SE1.bin
18 : c2960_lanbasek9-mz.150-2.SE4.bin
19 : c3560-advipservicesk9-mz.122-37.SE1.bin
20 : c3560-advipservicesk9-mz.122-46.SE.bin
21 : c800-universalk9-mz.SPA.152-4.M4.bin
22 : c800-universalk9-mz.SPA.154-3.M6a.bin
23 : cat3k_caa-universalk9.16.03.02.SPA.bin
24 : cgr1000-universalk9-mz.SPA.154-2.CG
25 : cgr1000-universalk9-mz.SPA.156-3.CG
26 : ir800-universalk9-bundle.SPA.156-3.M.bin
27 : ir800-universalk9-mz.SPA.155-3.M
28 : ir800-universalk9-mz.SPA.156-3.M
29 : ir800_yocto-1.7.2.tar
30 : ir800_yocto-1.7.2_python-2.7.3.tar
31 : pt1000-i-mz.122-28.bin
32 : sampleFile.txt
ftp>get pt1000-i-mz.122-28.bin
```

```
Reading file pt1000-i-mz.122-28.bin from 192.168.10.2
File transfer in progress...
```

```
22 : c800-universalk9-mz.SPA.152-4.M4.bin  
23 : cat3k_caa-universalk9.16.03.02.SPA.bin  
24 : cgr1000-universalk9-mz.SPA.154-2.CG  
25 : cgr1000-universalk9-mz.SPA.156-3.CG  
26 : ir800-universalk9-bundle.SPA.156-3.M.bin  
27 : ir800-universalk9-mz.SPA.155-3.M  
28 : ir800-universalk9-mz.SPA.156-3.M  
29 : ir800_yocto-1.7.2.tar  
30 : ir800_yocto-1.7.2_python-2.7.3.tar  
31 : pt1000-i-mz.122-28.bin  
ftp>put sampleFile.txt
```

Writing file sampleFile.txt to 192.168.10.2:
File transfer in progress...

[Transfer complete - 26 bytes]

26 bytes copied in 0.017 secs (1529 bytes/sec)

ftp>

```
10 : c2800nm-advpipservicesk9-mz.124-15.T1.bin      50938004  
11 : c2800nm-ipbasek9-mz.151-4.M4.bin            33591768  
12 : c2800nm-ipbasek9-mz.123-14.T7.bin          5571584  
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin       15522644  
14 : c2950-16q12-mz.121-22.EA4.bin              33591768  
15 : c2950-16q12-mz.121-22.EA8.bin            3058048  
16 : c2960-lanbase-mz.122-25.FX.bin           3117390  
17 : c2960-lanbase-mz.122-25.SE1.bin          4414921  
18 : c2960-lanbasek9-mz.150-2.SE4.bin         4670455  
19 : c3560-advpipservicesk9-mz.122-37.SE1.bin    4670455  
20 : c3560-advpipservicesk9-mz.122-46.SE.bin     8662192  
21 : c800-universalk9-mz.SPA.152-4.M4.bin       10713279  
22 : c800-universalk9-mz.SPA.154-3.M6a.bin       33591768  
23 : cat3k_caa-universalk9.16.03.02.SPA.bin     83029236  
24 : cgr1000-universalk9-mz.SPA.154-2.CG        505532849  
25 : cgr1000-universalk9-mz.SPA.156-3.CG        159487552  
26 : ir800-universalk9-bundle.SPA.156-3.M.bin    184530138  
27 : ir800-universalk9-mz.SPA.155-3.M            160968869  
28 : ir800-universalk9-mz.SPA.156-3.M          61750062  
29 : ir800_yocto-1.7.2.tar                     63753767  
30 : ir800_yocto-1.7.2_python-2.7.3.tar        2877440  
31 : pt1000-i-mz.122-28.bin                     6912000  
ftp>quit
```

221- Service closing control connection.

C:\>dir

```
Volume in drive C has no label.  
Volume Serial Number is SE12-4AF3  
Directory of C:\
```

```
1/1/1970   5:30 PM      26      sampleFile.txt  
                   26 bytes      1 File(s)
```

C:\>

Top

File Last Status

Physical Config Desktop Programming Attributes

Command Prompt

```

Listing /ftp directory from 192.168.10.2:
0 : asa842-k8.bin 5571584
1 : asa923-k8.bin 30468096
2 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
3 : c1841-ipbase-mz.123-14.T7.bin 13832032
4 : c1841-ipbasek9-mz.124-12.bin 16599160
5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
7 : c2600-i-mz.122-28.bin 5571584
8 : c2600-ipbasek9-mz.124-8.bin 13169700
9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-16q412-mz.121-22.EA4.bin 3058048
15 : c2950-16q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SEEl.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
27 : ir800-universalk9-mz.SPA.155-3.M 61750062
28 : ir800-universalk9-mz.SPA.156-3.M 63753767
29 : ir800_yocto-1.7.2.tar 2877440
30 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
31 : pt1000-i-mz.122-28.bin 5571584
ftp>quit

```

```

----- - mz.122-28.bin 5571584
ftp>delete ashwani.bin

Deleting file ashwani.bin from 192.168.10.2: ftp>
[Deleted file ashwani.bin successfully ]

ftp>dir

Listing /ftp directory from 192.168.10.2:
0 : asa842-k8.bin 5571584
1 : asa923-k8.bin 30468096
2 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
3 : c1841-ipbase-mz.123-14.T7.bin 13832032
4 : c1841-ipbasek9-mz.124-12.bin 16599160
5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
7 : c2600-i-mz.122-28.bin 5571584
8 : c2600-ipbasek9-mz.124-8.bin 13169700
9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-16q412-mz.121-22.EA4.bin 3058048
15 : c2950-16q412-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SEEl.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869

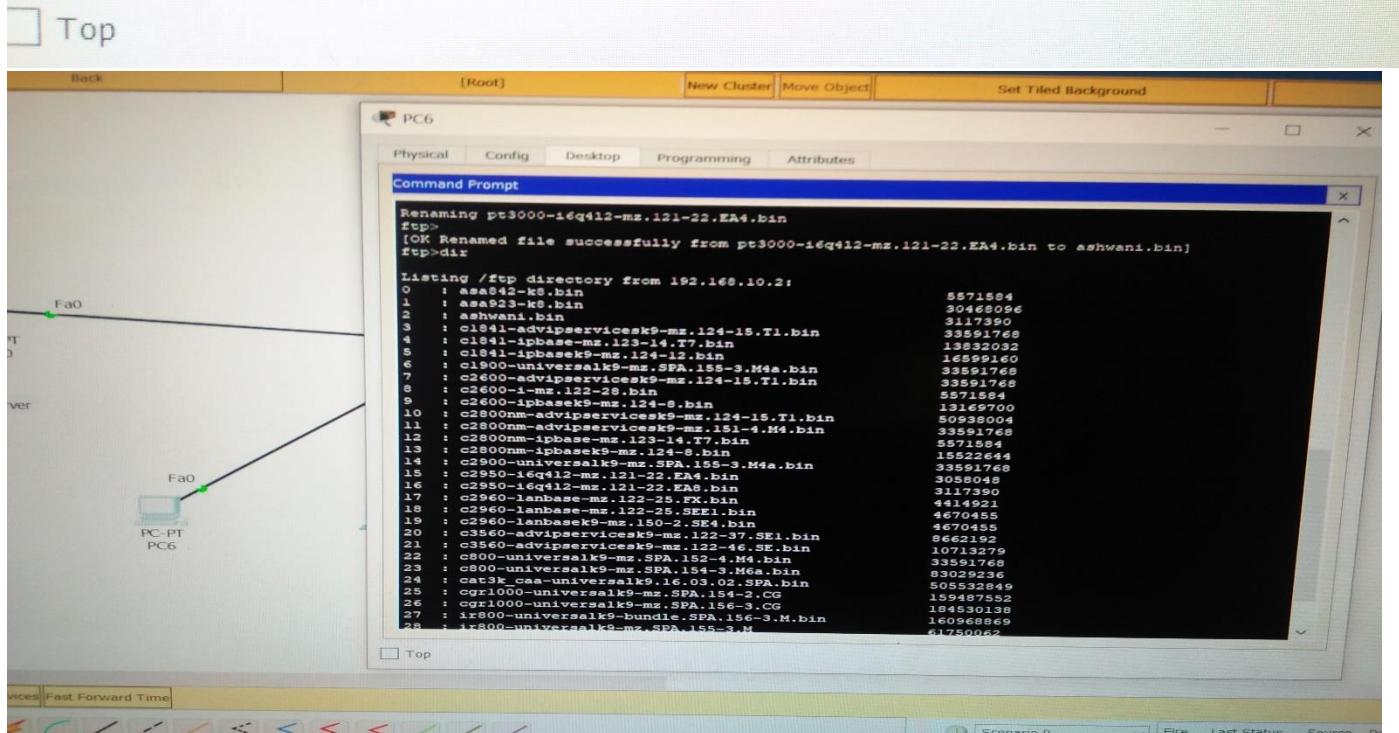
```

```

17 : c2960-lanbase-mz.122-25.FX.bin          311739
18 : c2960-lanbase-mz.122-25.SEE1.bin        441492
19 : c2960-lanbasek9-mz.150-2.SE4.bin        467045
20 : c3560-advipservicesk9-mz.122-37.SE1.bin 467045
21 : c3560-advipservicesk9-mz.122-46.SE.bin   866219
22 : c800-universalk9-mz.SPA.152-4.M4.bin    107132
23 : c800-universalk9-mz.SPA.154-3.M6a.bin   335917
24 : cat3k_caa-universalk9.16.03.02.SPA.bin  830292
25 : cgr1000-universalk9-mz.SPA.154-2.CG     505532
26 : cgr1000-universalk9-mz.SPA.156-3.CG     159487
27 : ir800-universalk9-bundle.SPA.156-3.M.bin 184530
28 : ir800-universalk9-mz.SPA.155-3.M        160968
29 : ir800-universalk9-mz.SPA.156-3.M        6175006
30 : ir800_yocto-1.7.2.tar                  6375376
31 : ir800_yocto-1.7.2_python-2.7.3.tar      2877440
32 : pt1000-i-mz.122-28.bin                 6912000
                                         5571584
ftp>delete ashwani.bin
```

```

Deleting file ashwani.bin from 192.168.10.2: ftp>
[Deleted file ashwani.bin successfully ]
ftp>
```

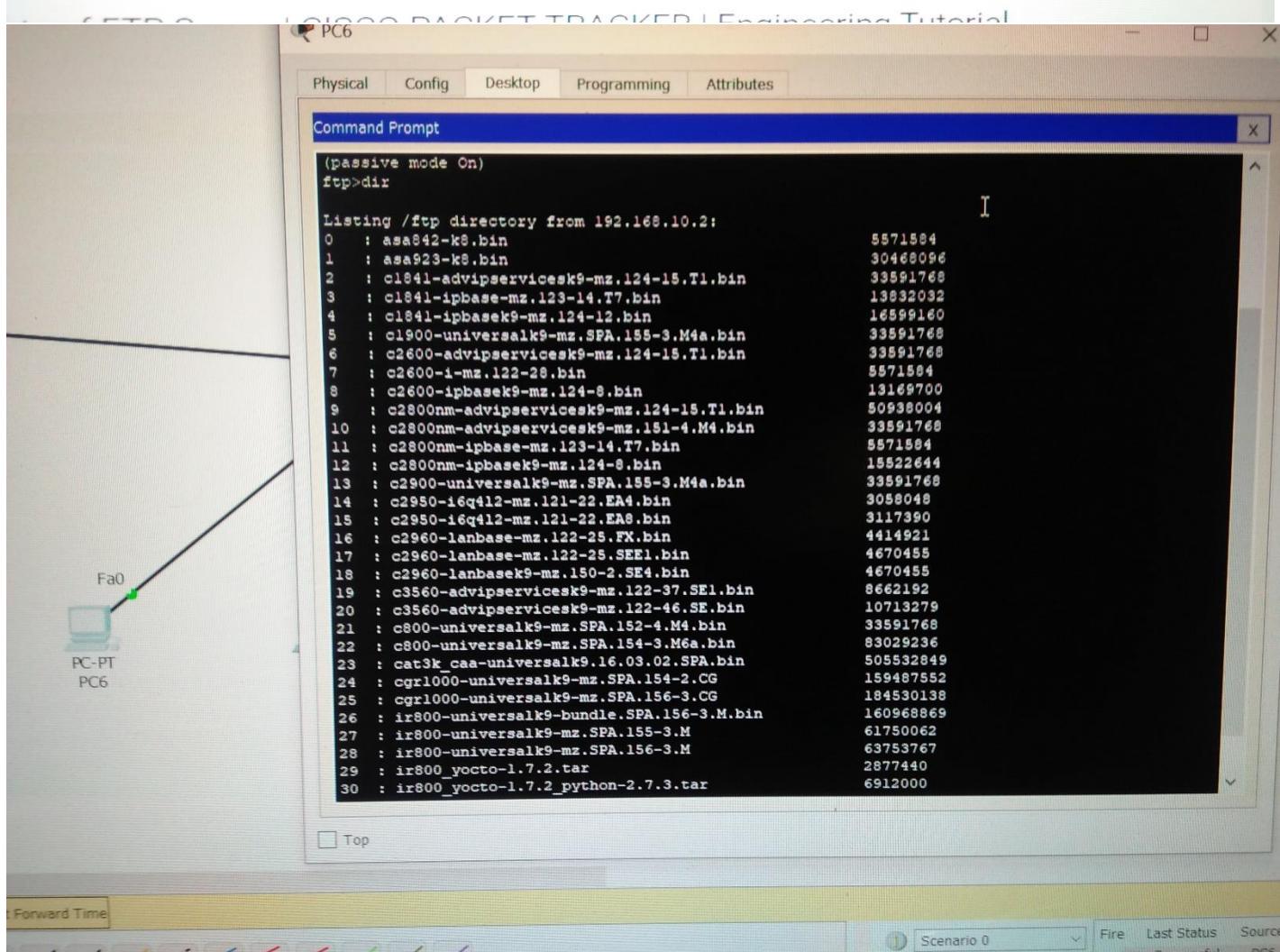


```

7 : c2600-i-mz.122-28.bin 33591768
8 : c2600-ipbasek9-mz.124-8.bin 5571584
9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 13169700
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 50938004
11 : c2800nm-ipbase-mz.123-14.T7.bin 33591768
12 : c2800nm-ipbasek9-mz.124-8.bin 5571584
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 15522644
14 : c2950-16q412-mz.121-22.EA4.bin 33591768
15 : c2950-16q412-mz.121-22.EA8.bin 3058048
16 : c2960-lanbase-mz.122-25.FX.bin 3117390
17 : c2960-lanbase-mz.122-25.SEEL.bin 4414921
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin 4670455
20 : c3560-advipservicesk9-mz.122-46.SE.bin 8662192
21 : c800-universalk9-mz.SPA.152-4.M4.bin 10713279
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 33591768
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 83029236
24 : cgr1000-universalk9-mz.SPA.154-2.CG 505532849
25 : cgr1000-universalk9-mz.SPA.156-3.CG 159487552
26 : ir800-universalk9-bundle.SPA.156-3.M.bin 184530138
27 : ir800-universalk9-mz.SPA.155-3.M 160968869
28 : ir800-universalk9-mz.SPA.156-3.M 61750062
29 : ir800_yocto-1.7.2.tar 63753767
30 : ir800_yocto-1.7.2_python-2.7.3.tar 2877440
31 : pt1000-i-mz.122-28.bin 6912000
32 : pt3000-16q412-mz.121-22.EA4.bin 5571584
ftp>rename pt3000-16q412-mz.121-22.EA4.bin ashwani.bin

Renaming pt3000-16q412-mz.121-22.EA4.bin
ftp>
[OK Renamed file successfully from pt3000-16q412-mz.121-22.EA4.bin to ashwani.bin]
ftp>

```



PC6

Physical Config Desktop Programming Attributes

Command Prompt

```
Listing /ftp directory from 192.168.10.2:
0 : asa842-k8.bin 5571584
1 : asa923-k8.bin 30468096
2 : c1841-advipsericesk9-mz.124-15.T1.bin 33591768
3 : c1841-ipbase-mz.123-14.T7.bin 13832032
4 : c1841-ipbasek9-mz.124-12.bin 16599160
5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
6 : c2600-advipsericesk9-mz.124-15.T1.bin 33591768
7 : c2600-i-mz.122-28.bin 5571584
8 : c2600-ipbasek9-mz.124-8.bin 13169700
9 : c2800nm-advipsericesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipsericesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin 15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-i6q4l2-mz.121-22.EA4.bin 3058048
15 : c2950-i6q4l2-mz.121-22.EA8.bin 3117390
16 : c2960-lanbase-mz.122-25.FX.bin 4414921
17 : c2960-lanbase-mz.122-25.SE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipsericesk9-mz.122-37.SE1.bin 8662192
20 : c3560-advipsericesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
27 : ir800-universalk9-mz.SPA.155-3.M 61750062
28 : ir800-universalk9-mz.SPA.156-3.M 63753767
29 : ir800_yocto-1.7.2.tar 2877440
30 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
31 : pt1000-i-mz.122-28.bin 5571584
32 : pt3000-i6q4l2-mz.121-22.EA4.bin 3117390
ftp>
```

Top

Forward Time

PC6

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer FC Command Line 1.0
C:\>ftp 192.168.10.2
Trying to connect...192.168.10.2
Connected to 192.168.10.2
220- Welcome to FT Ftp server
Username:
```

Top

Server-PT Server0

FTP Server

PC-PT PC6

26:04 | Power Cycle Devices Fast Forward Time

Copper Straight-Through

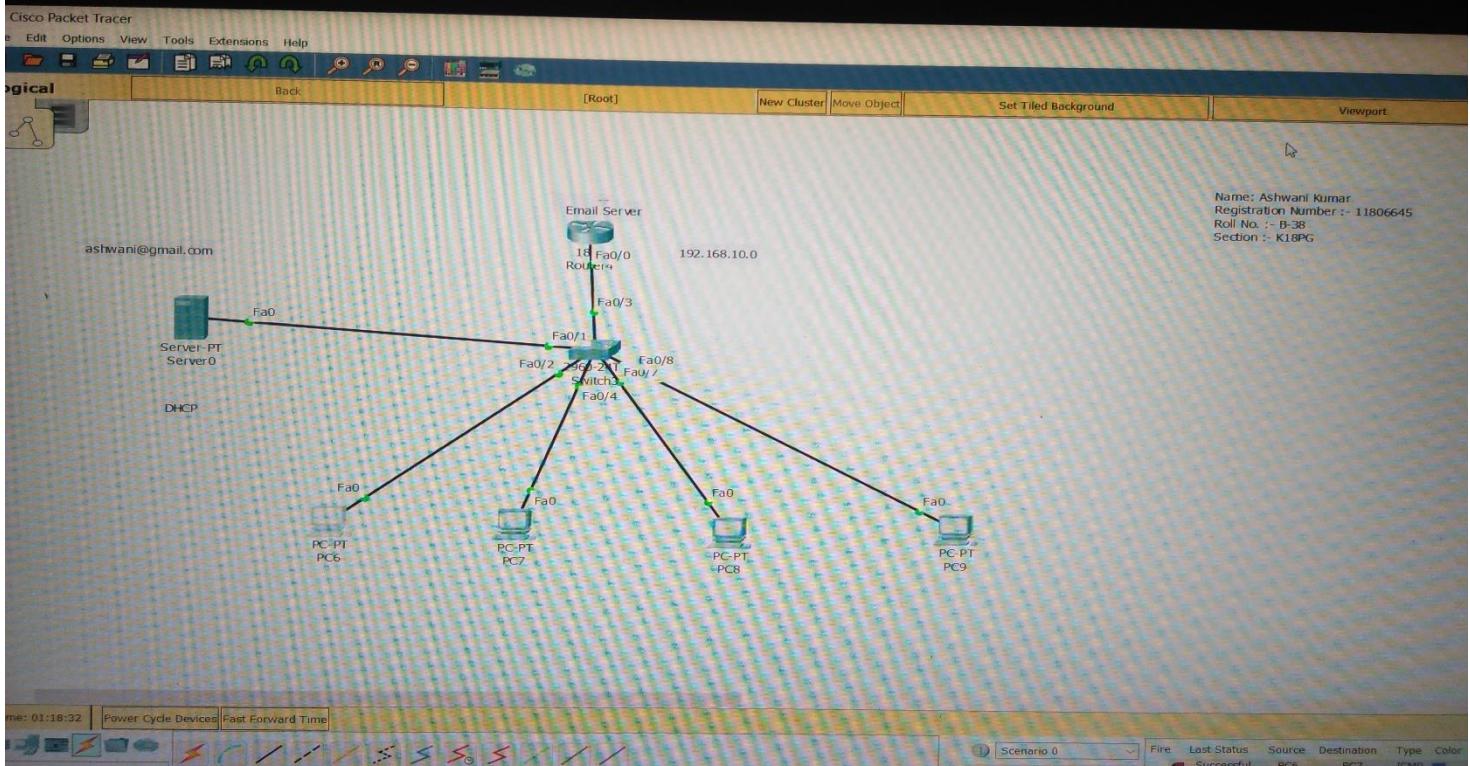
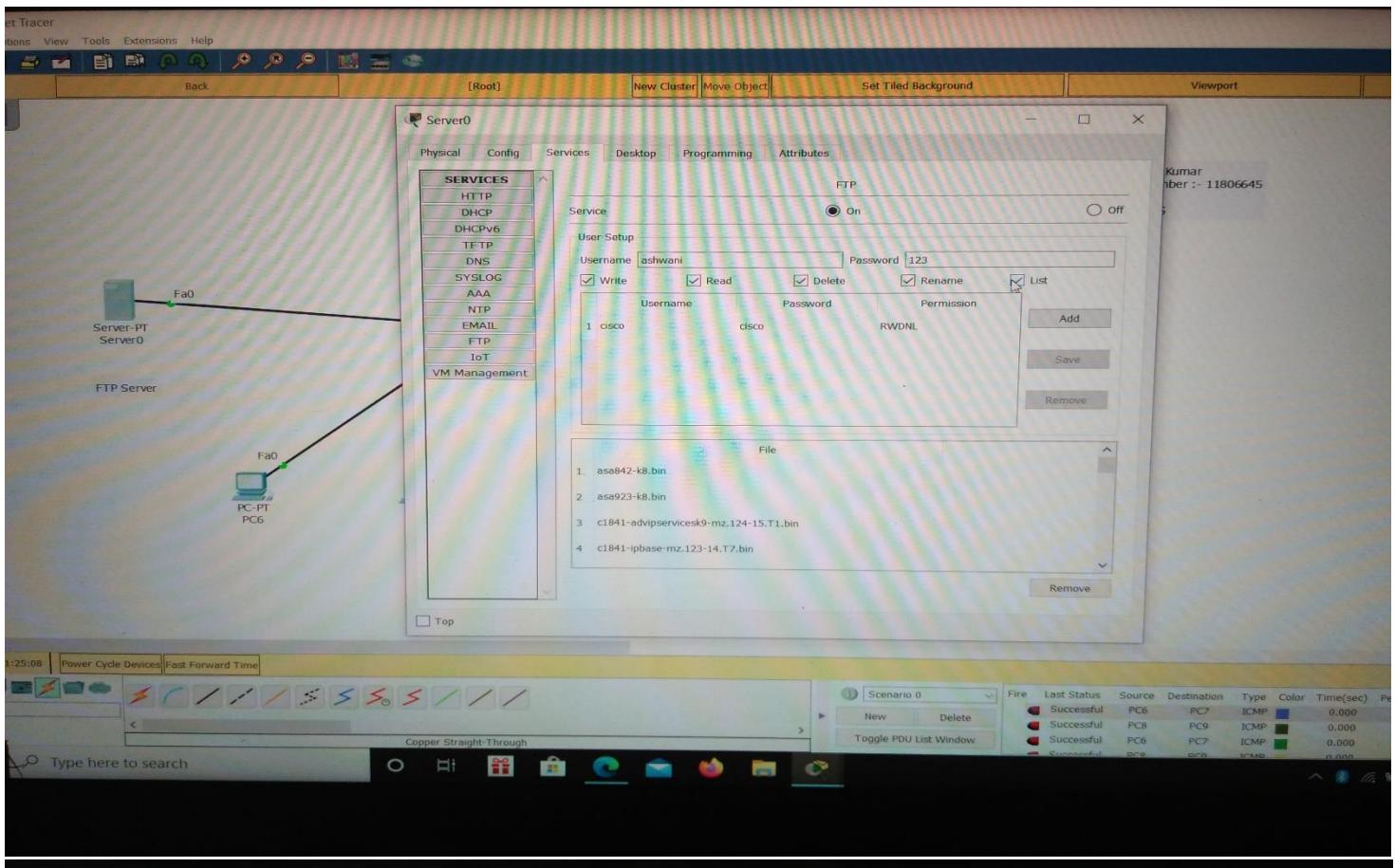
Type here to search

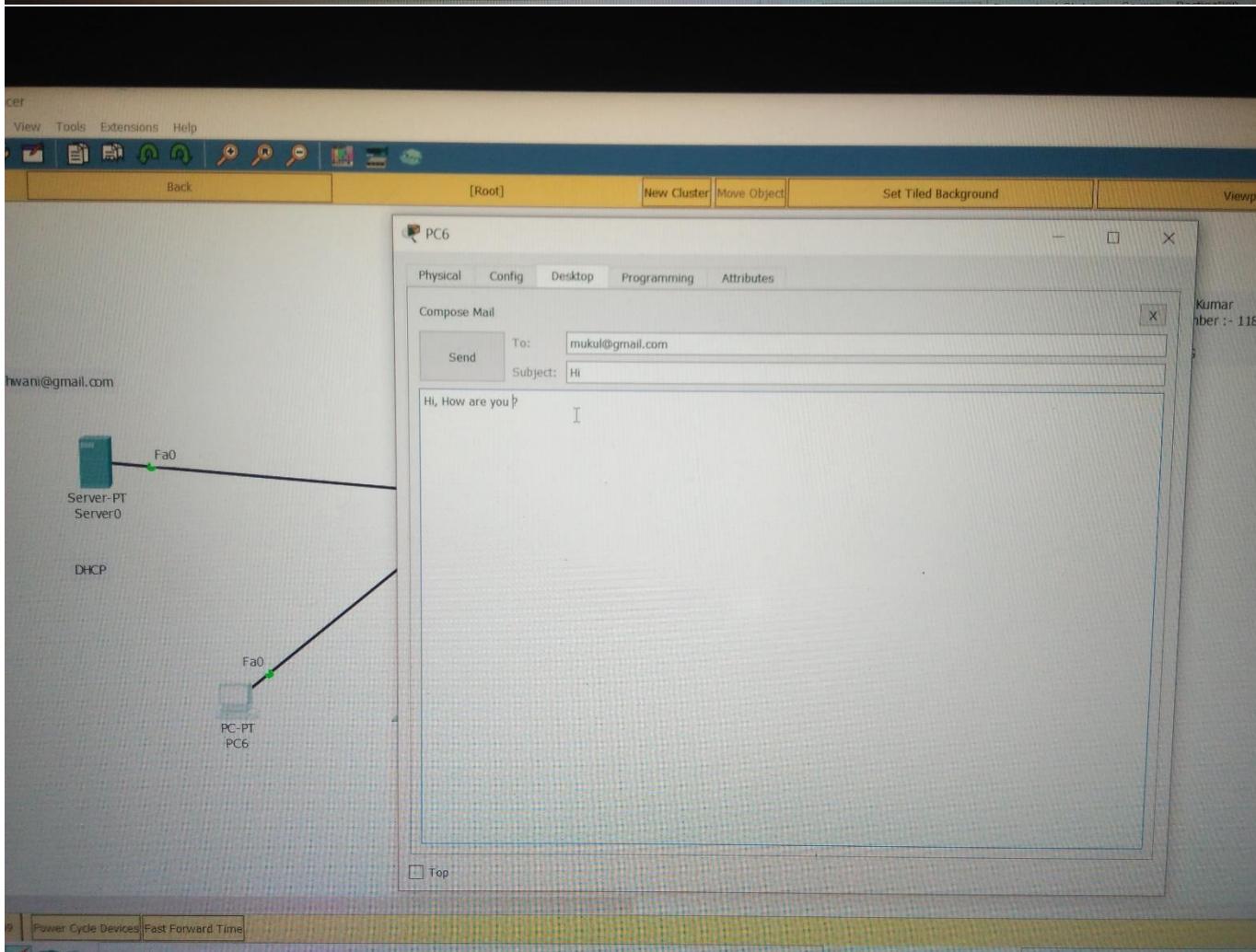
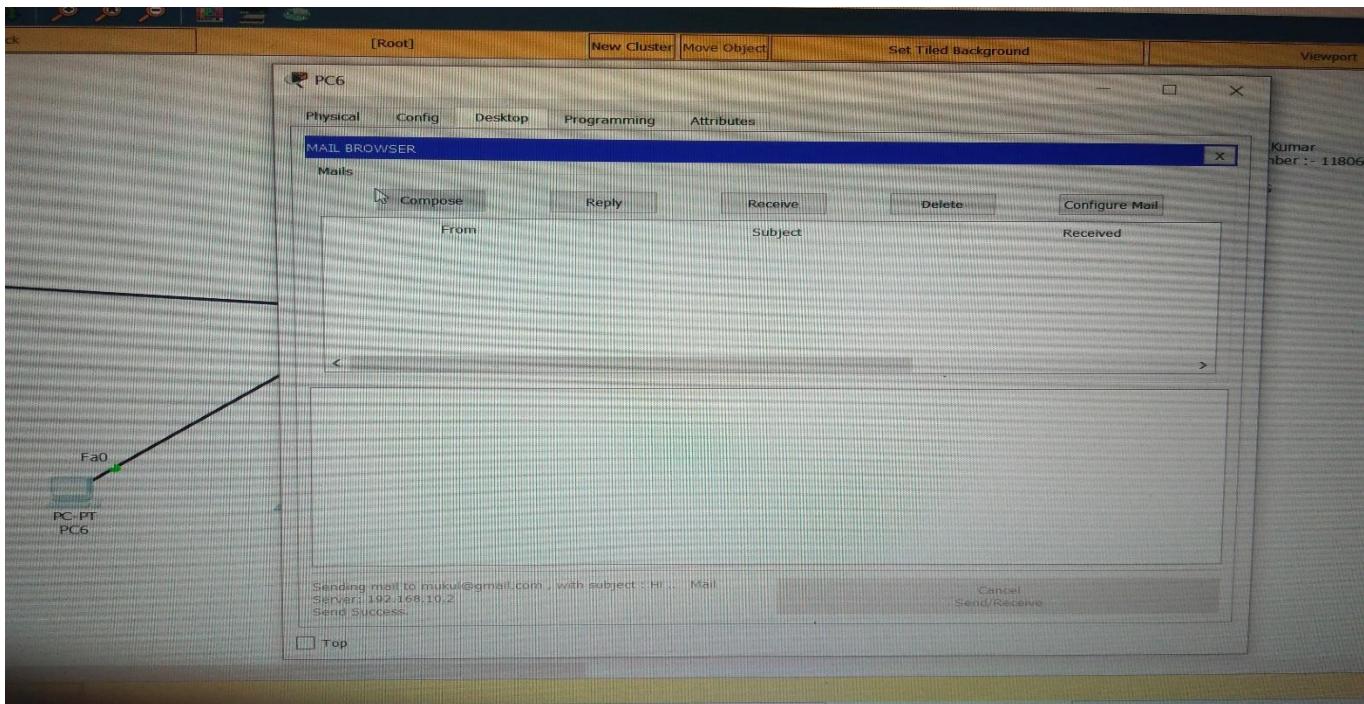
Scenario 0

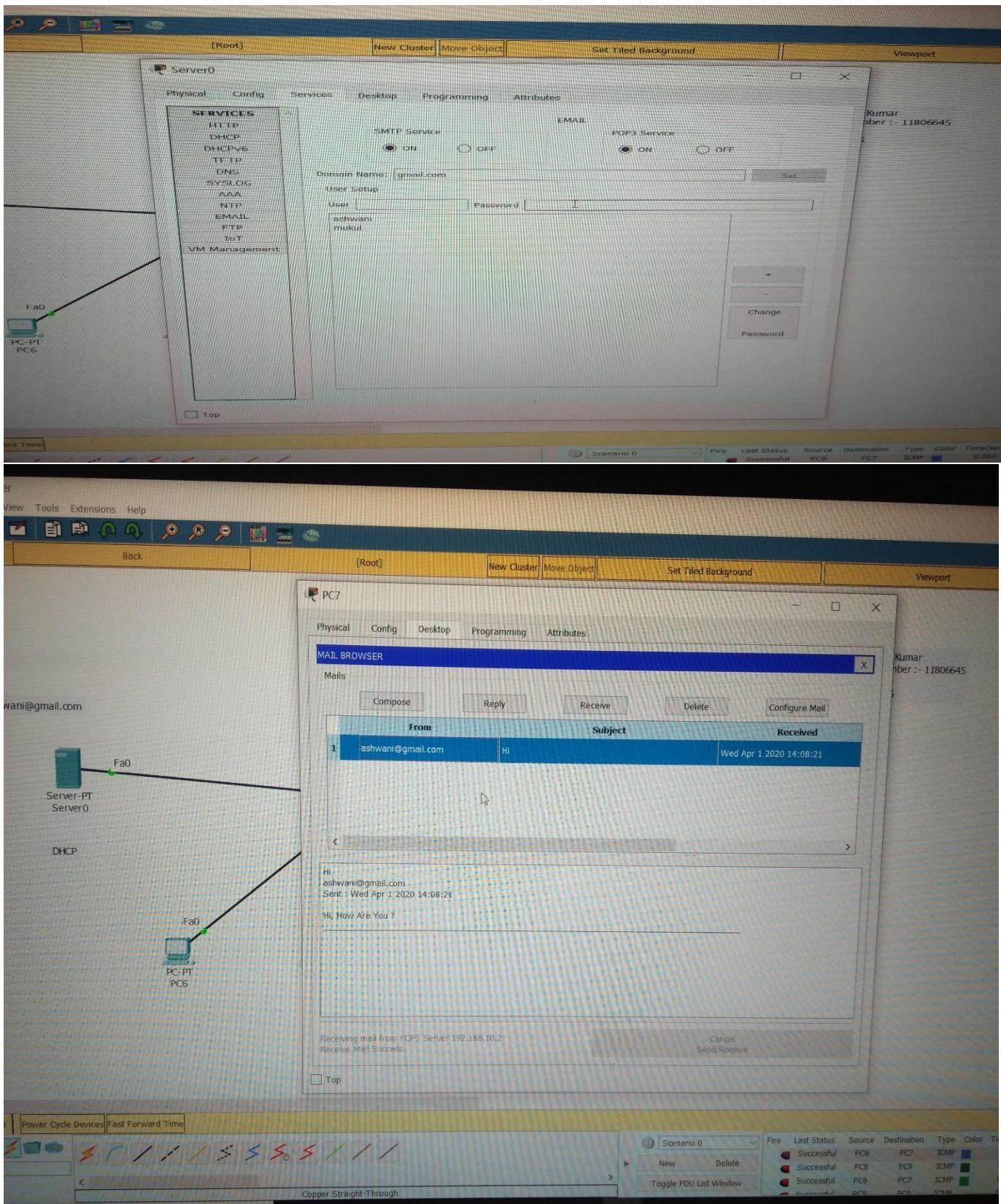
New Delete Toggle PDU List Window

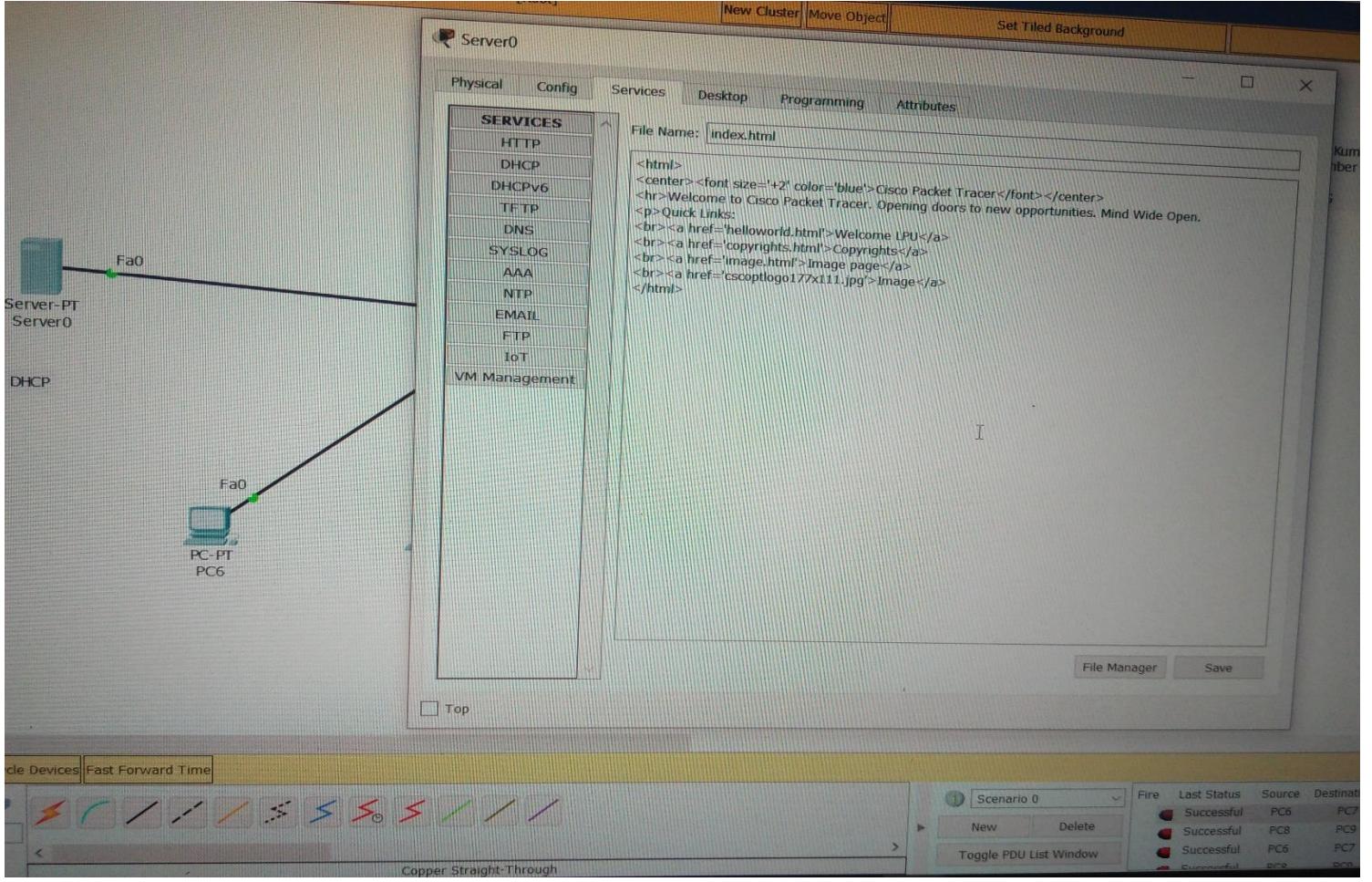
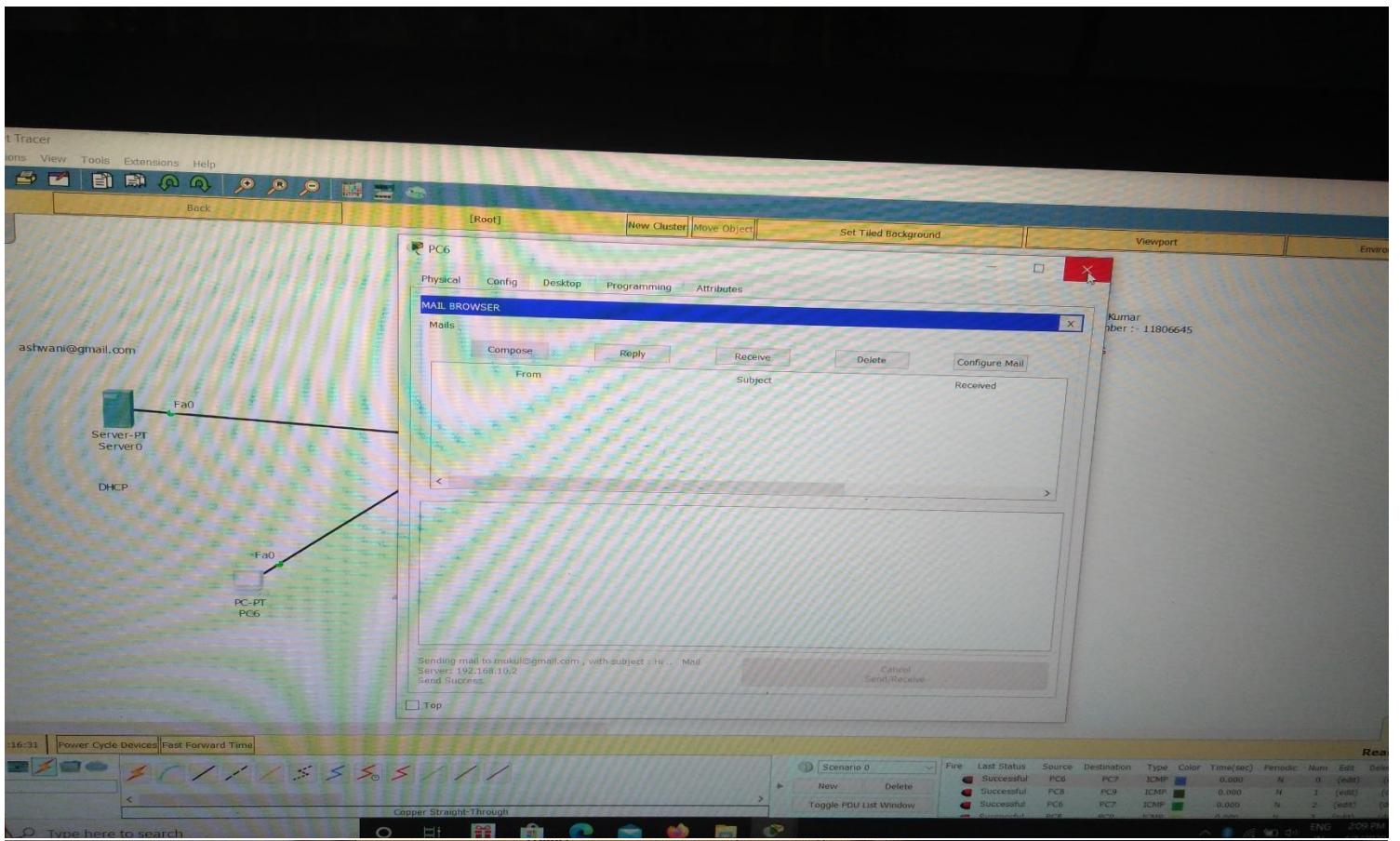
Fire Last Status Source

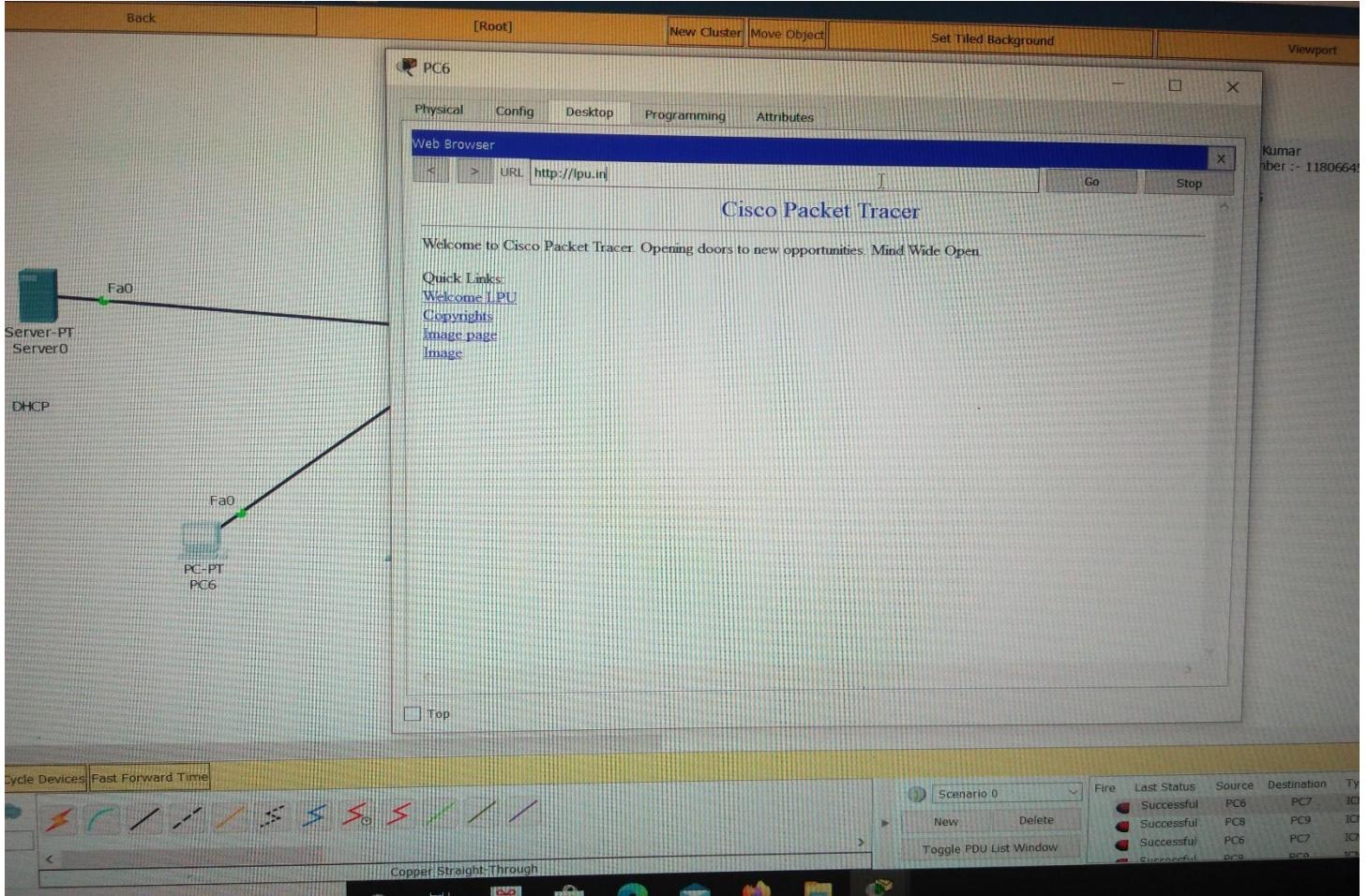
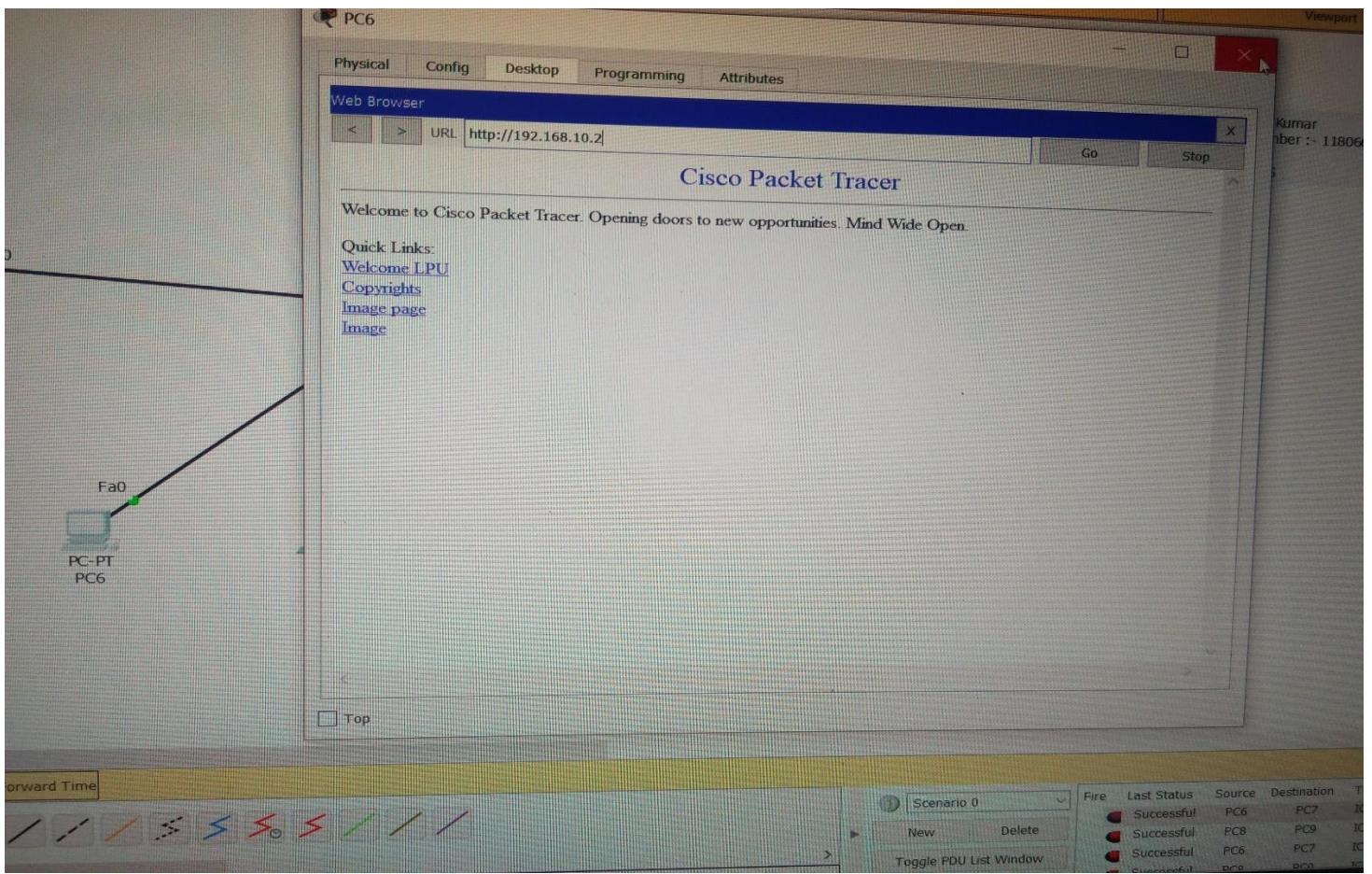
- Successful PC8
- Successful PC8
- Successful PC6
- Successful PC6

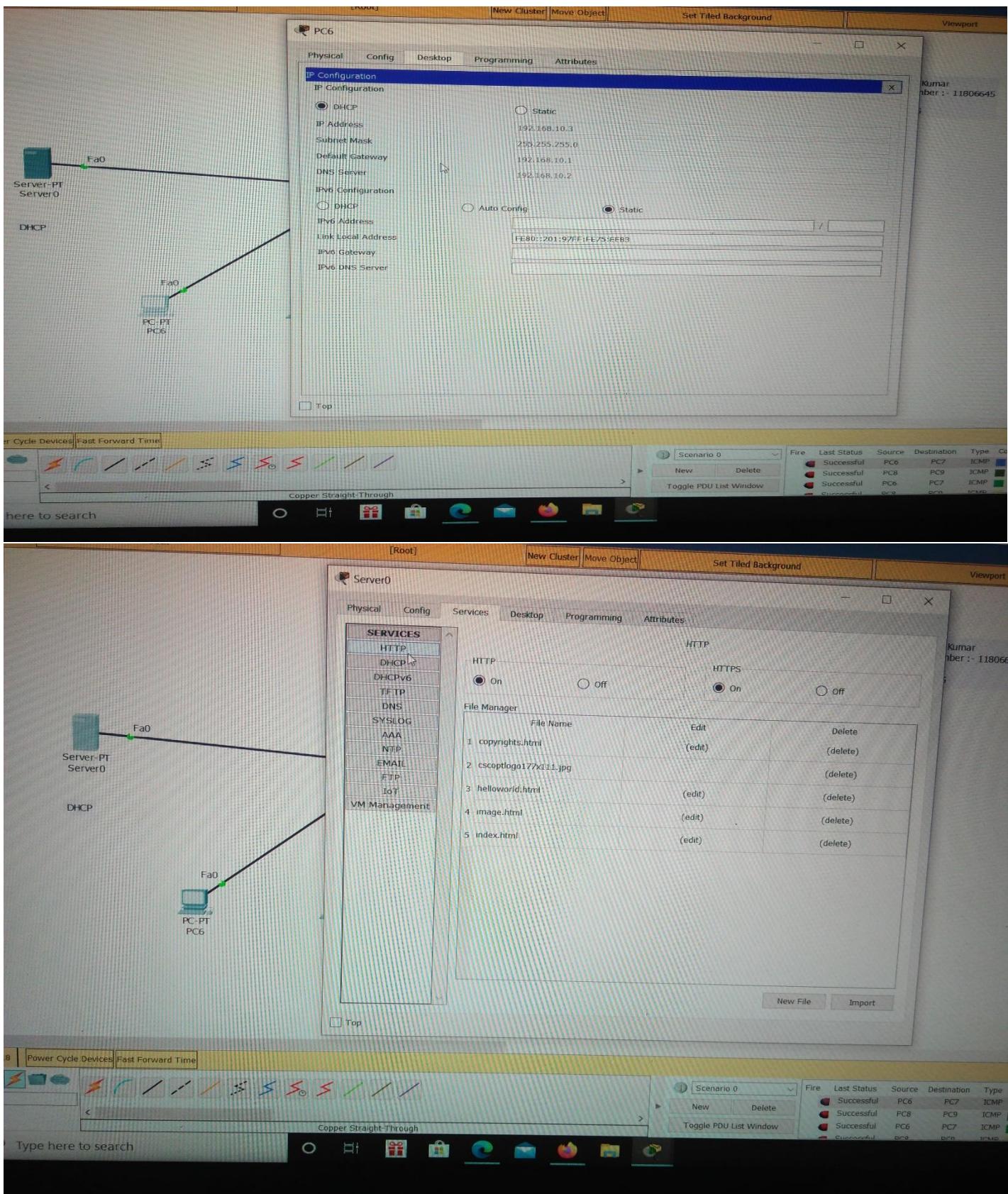












Server0

Physical Config Services Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management

DHCP

Interface: FastEthernet0 Service: On

Pool Name: serverPool

Default Gateway: 192.168.10.1

DNS Server: 192.168.10.2

Start IP Address: 192.168.10.10 Subnet Mask: 255.255.255.0

Maximum Number of Users: 255

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.10.1	192.168.10.2	192.168.10.10	255.255.255.0	255	0.0.0.0	0.0.0.0

Top

Power Cycle Devices Fast Forward Time

Copper Straight-Through

Type here to search

View Back [Root] New Cluster Move Object Set Tiled Background Viewport

Name: Ashwani Kumar
Registration Number :- 11806645
Roll No. :- B-38
Section :- K1BPG

Router0

192.168.10.0

Fa0/0 Router0/4

Fa0/1

Fa0/2 Fa0/3 Fa0/4

Switch

Fa0/5 Fa0/6 Fa0/7

Fa0/8

Server-PT Server0

PC-PT PC6

PC-PT PC7

PC-PT PC8

PC-PT PC9

Power Cycle Devices Fast Forward Time

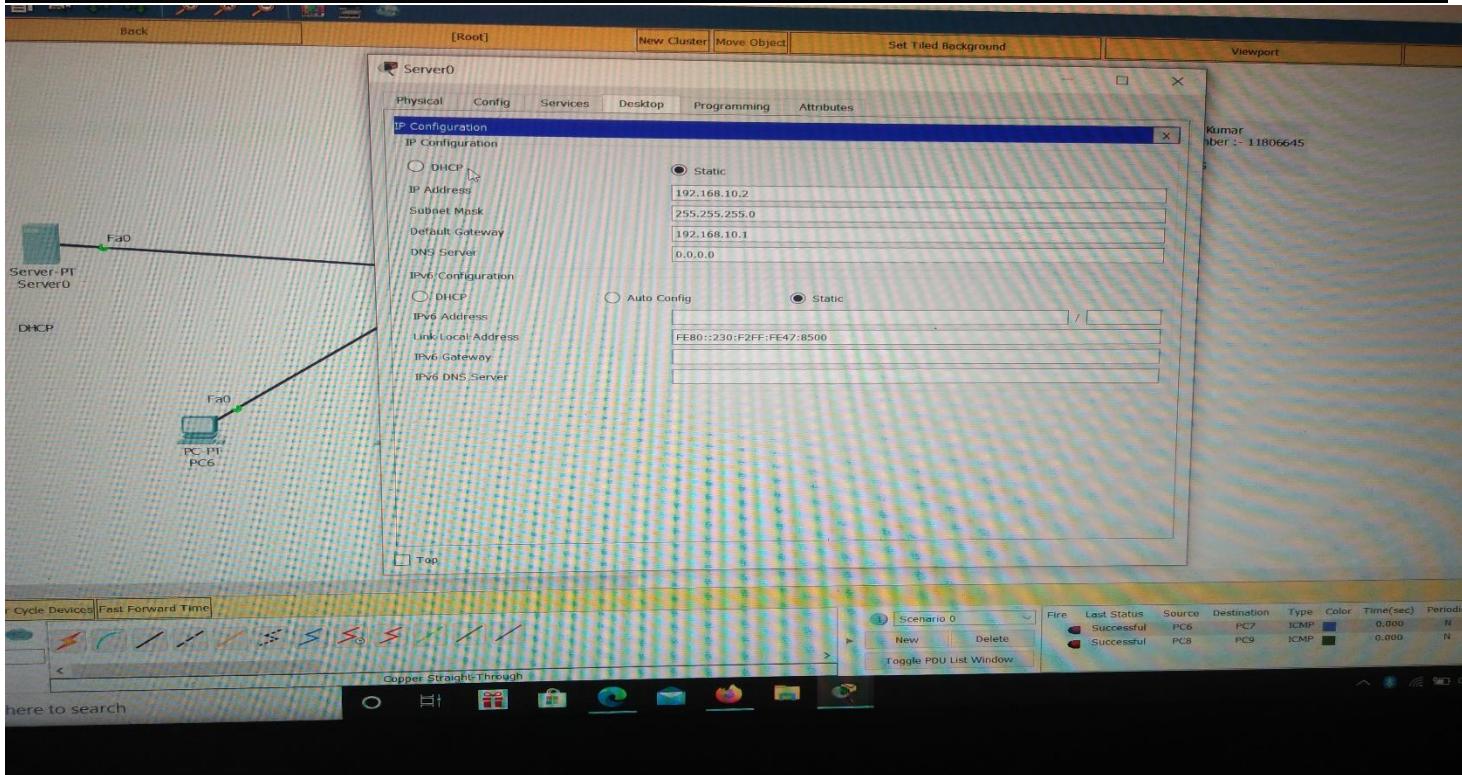
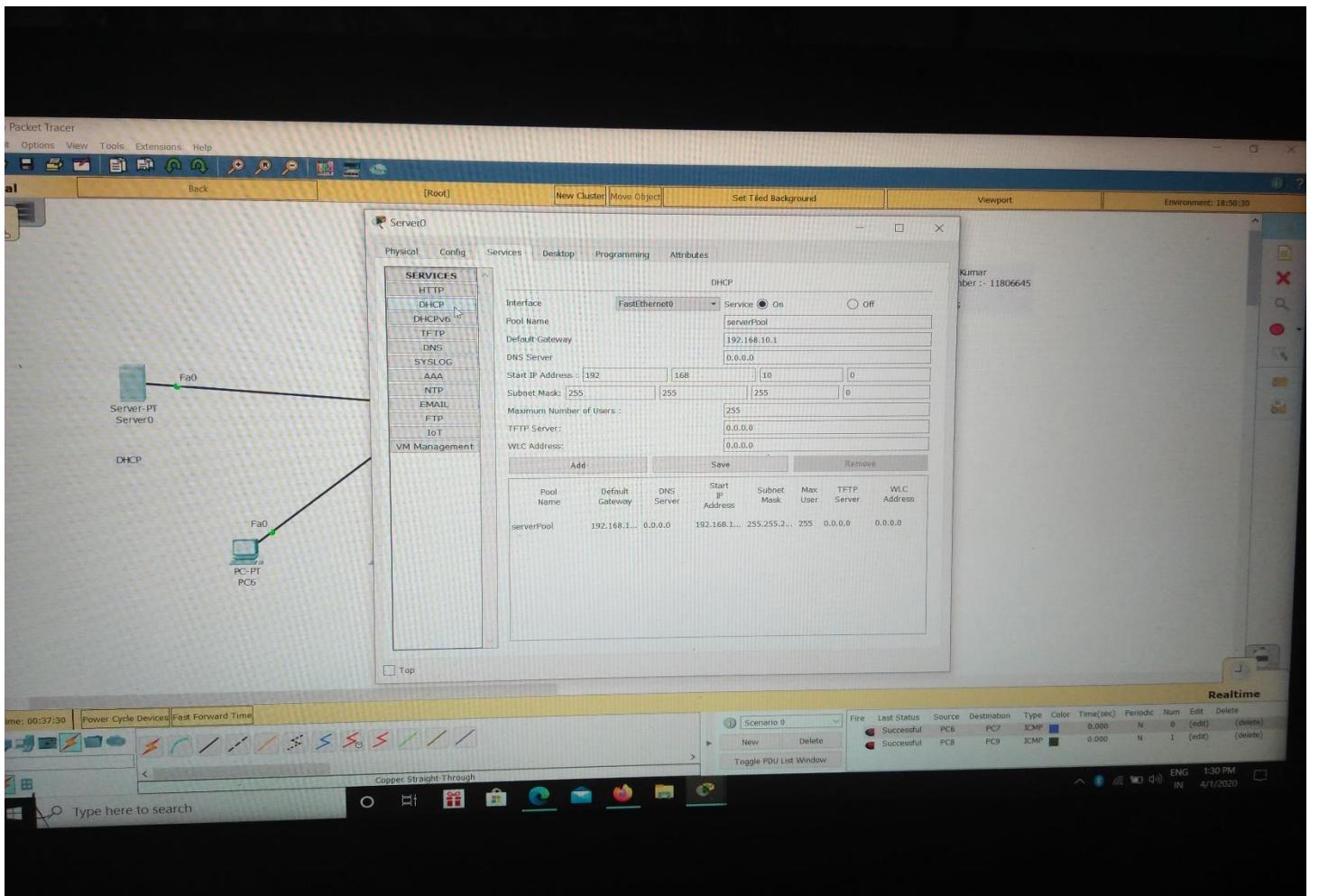
Copper Straight-Through

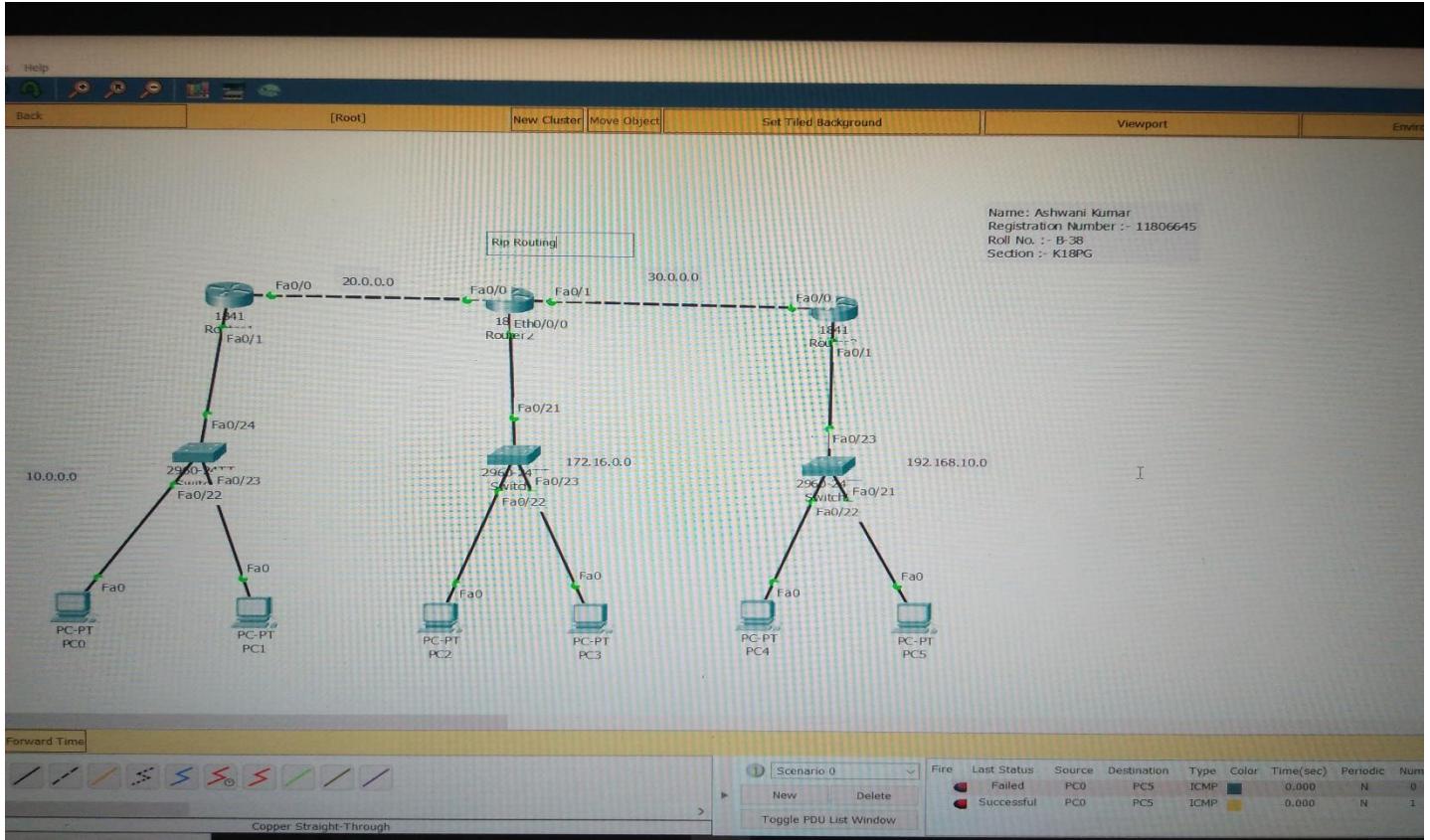
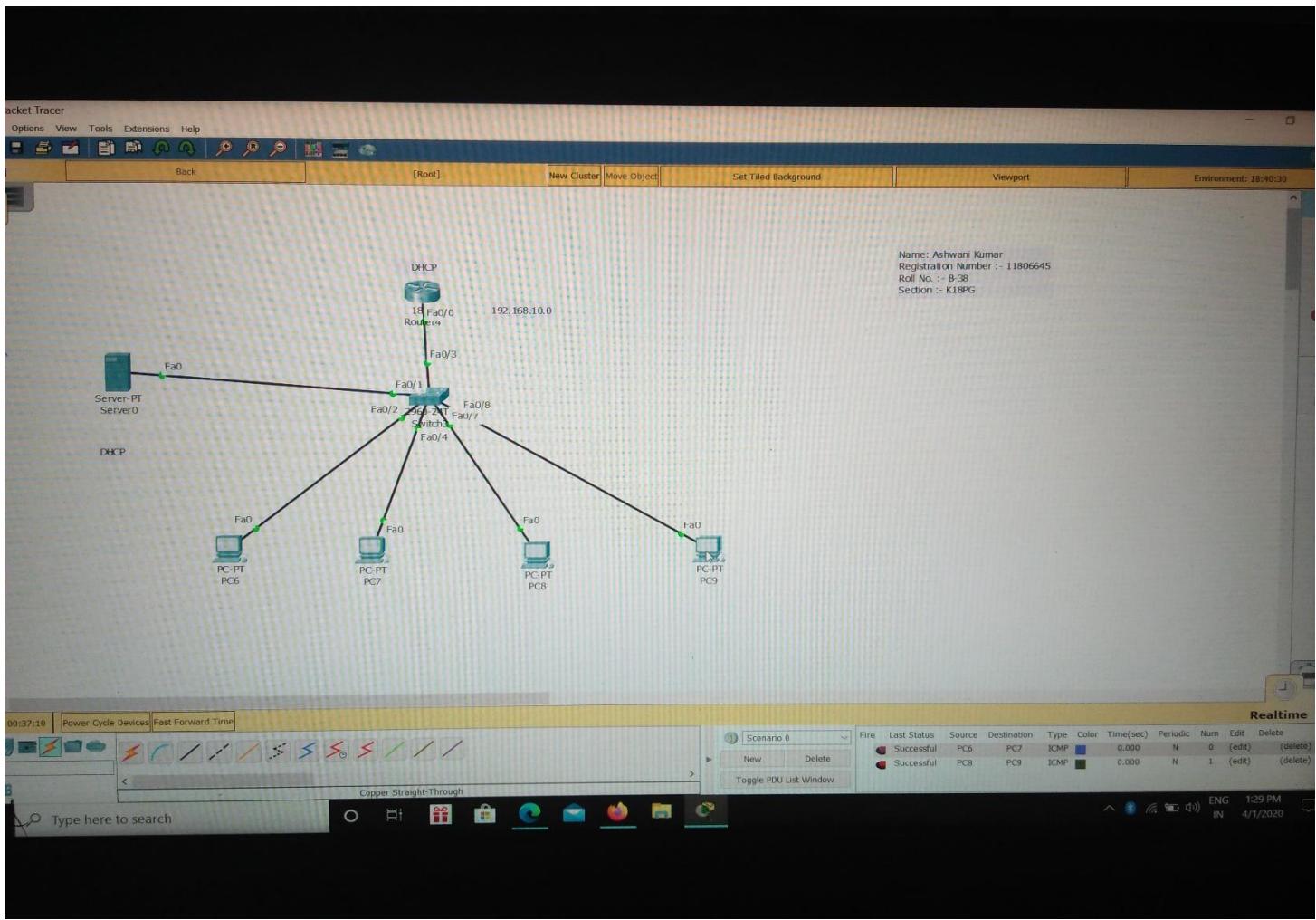
Type here to search

Scenario 0 New Delete Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Pdu

- Successful PC6 PC7 ICMP 0.000
- Successful PC8 PC9 ICMP 0.000
- Successful PC6 PC7 ICMP 0.000
- Successful PC9 PC8 ICMP 0.000





Help



Back

[Root]

New Cluster

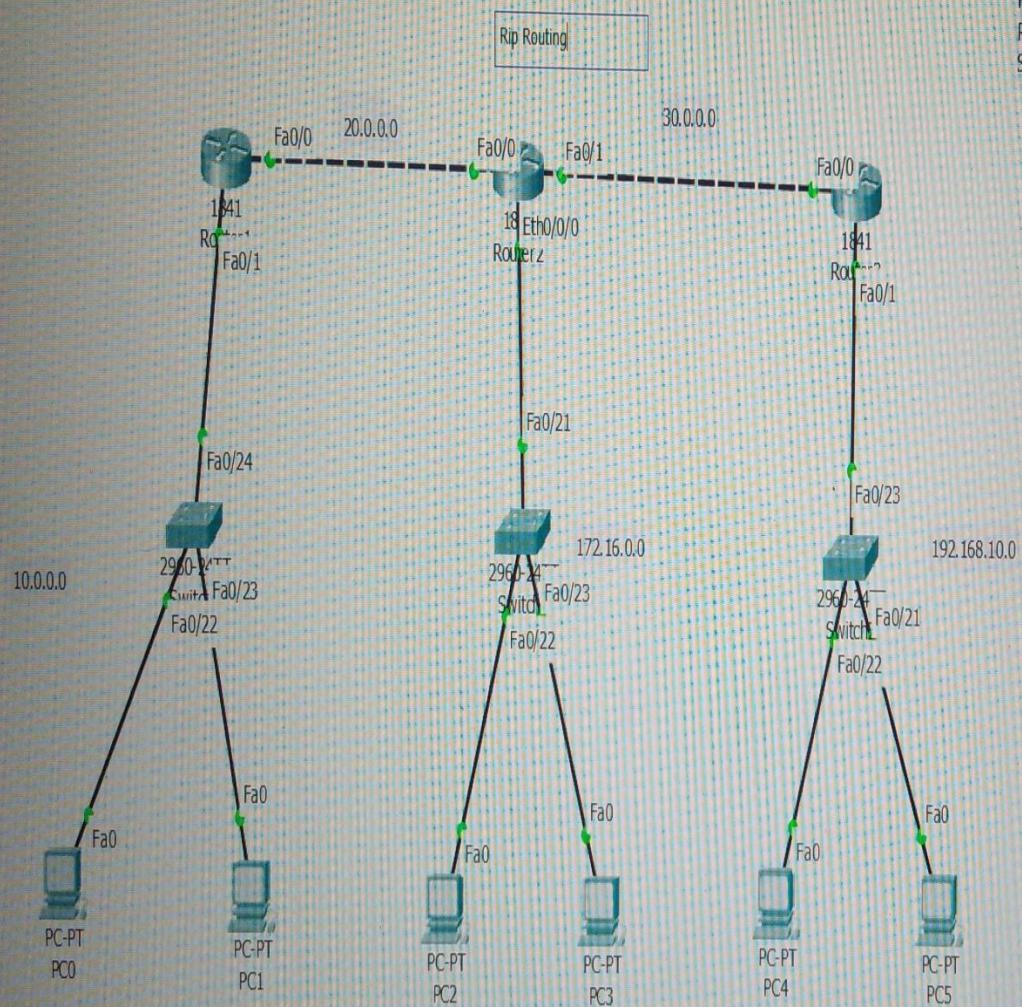
Move Object

Set Tiled Background

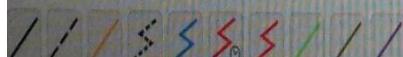
Viewport

Envir

Name: Ashwani Kumar
Registration Number :- 11806645
Roll No. :- B-38
Section :- K18PG



Forward Time



Copper Straight-Through

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
Failed		PC0	PC5	ICMP	Blue	0.000	N	0
Successful		PC0	PC5	ICMP	Yellow	0.000	N	1