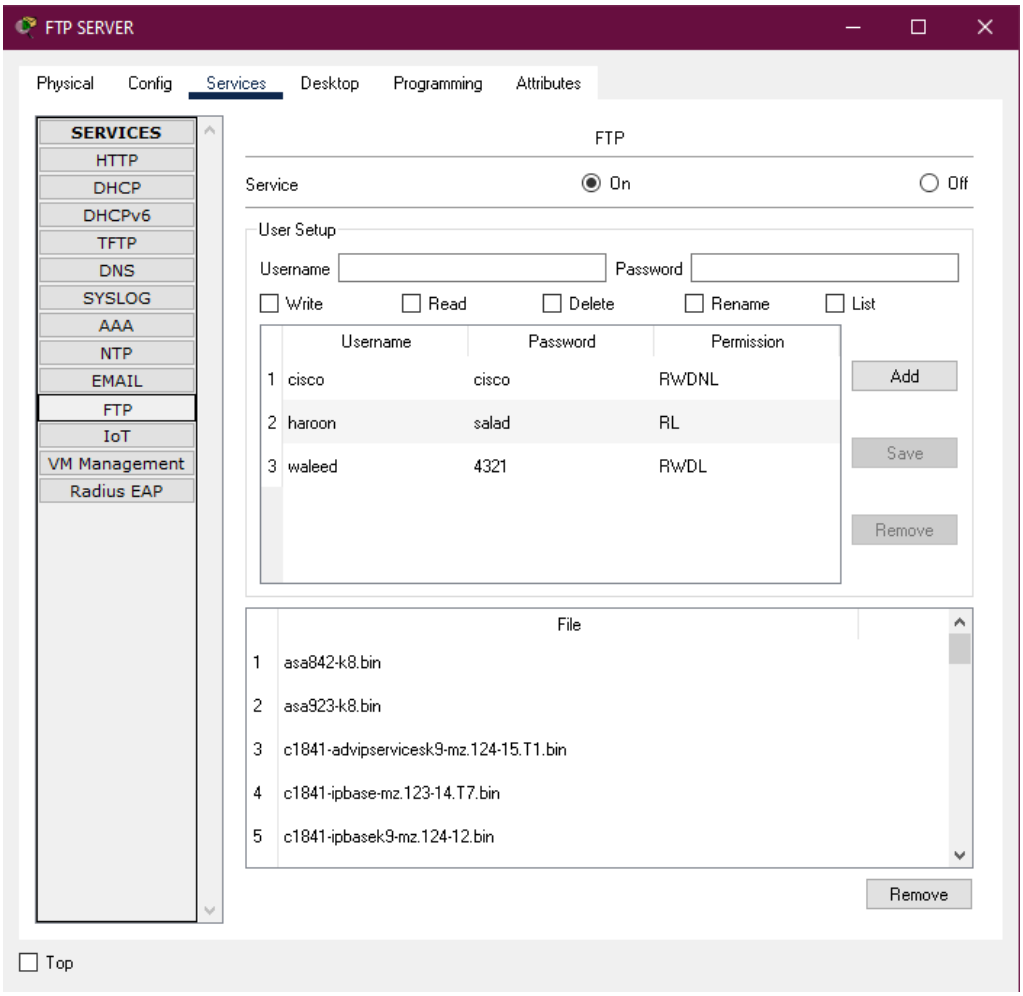
Muhammad Waleed
20B-115-SE
DCCN
LAB#04
Instructor: Sir Fauzan Saeed

Lab 4:

1. Implement the following scenario using packet tracer, create FTP server and two nodes a user can login using any of these systems.

User Creation:



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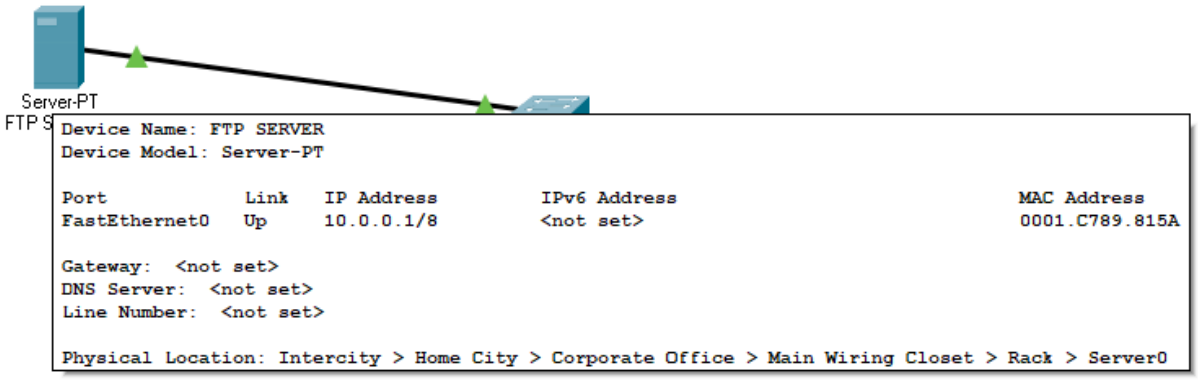
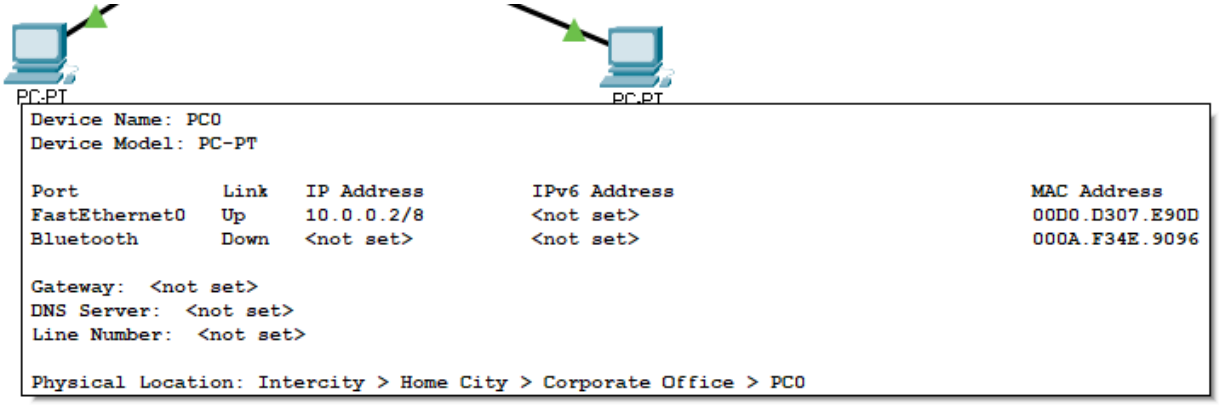
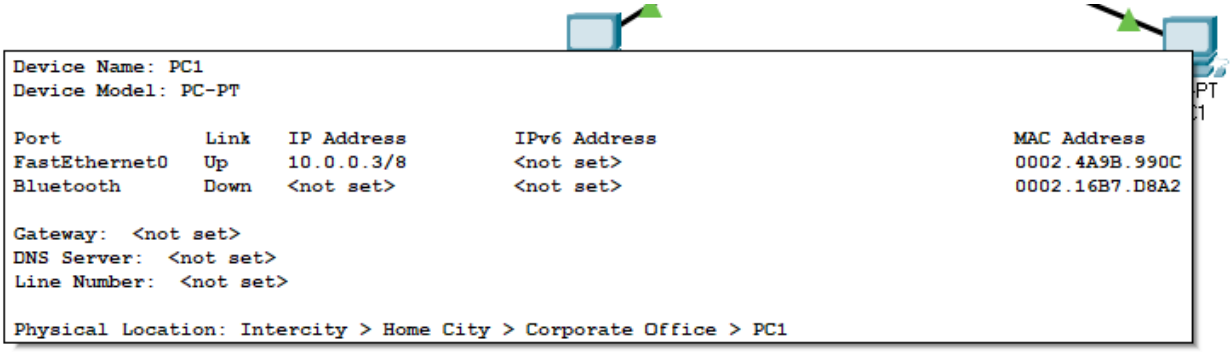
Server:



PC0:



PC1:



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Connecting to FTP Server:

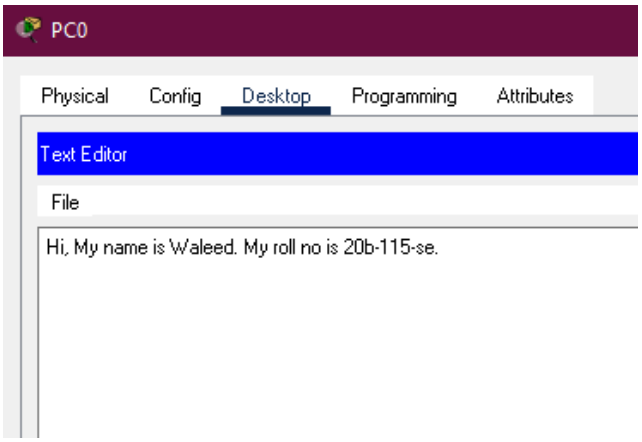
PC0:

```
Packet Tracer PC Command Line 1.0
C:\>ftp 10.0.0.1
Trying to connect...10.0.0.1
Connected to 10.0.0.1
220- Welcome to PT Ftp server
Username:waleed
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

PC1:

```
Packet Tracer PC Command Line 1.0
C:\>ftp 10.0.0.1
Trying to connect...10.0.0.1
Connected to 10.0.0.1
220- Welcome to PT Ftp server
Username:haroon
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

Creating File on PC0:




```
C:\>dir

 Volume in drive C has no label.
 Volume Serial Number is 5E12-4AF3
 Directory of C:\

1/1/1970    5:0 PM             26        sampleFile.txt
1/1/1970    5:0 PM             48        waleed.txt
              74 bytes             2 File(s)
C:\>
```

Uploading File on FTP Server:

From PC0:

```
ftp>put waleed.txt

Writing file waleed.txt to 10.0.0.1:
File transfer in progress...

[Transfer complete - 48 bytes]

48 bytes copied in 0.091 secs (527 bytes/sec)
ftp>
```

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Server Directory:

```
ftp>dir

Listing /ftp directory from 10.0.0.1:
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-i6q412-mz.121-22.EA4.bin               3058048
15   : c2950-i6q412-mz.121-22.EA8.bin               3117390
16   : c2960-lanbase-mz.122-25.FX.bin               4414921
17   : c2960-lanbase-mz.122-25.SEE1.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
32   : pt3000-i6q412-mz.121-22.EA4.bin              3117390
33   : waleed.txt                                   48
ftp>
```

Fetching File from FTP Sever via PC1:

```
ftp>get waleed.txt

Reading file waleed.txt from 10.0.0.1:
File transfer in progress...

[Transfer complete - 48 bytes]

48 bytes copied in 0 secs
ftp>
```

```
C:\>dir

 Volume in drive C has no label.
 Volume Serial Number is 5E12-4AF3
 Directory of C:\

1/1/1970    5:0 PM             26        sampleFile.txt
1/1/1970    5:0 PM             48        waleed.txt
               74 bytes            2 File(s)
C:\>
```

Deleting File from FTP Server via PC1:

It won't allow user to delete because user don't have permission to do so.

```
ftp>delete waleed.txt

Deleting file waleed.txt from 10.0.0.1: ftp>
%Error ftp://10.0.0.1/waleed.txt (No such file or directory Or Permission denied)
550-Requested action not taken. permission denied).
```

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Deleting File from FTP Server via PC0:

File will be deleted because user have permission to do so.

```
ftp>delete waleed.txt

Deleting file waleed.txt from 10.0.0.1: ftp>
[Deleted file waleed.txt successfully ]
ftp>
```

Server Directory:

```
ftp>dir

Listing /ftp directory from 10.0.0.1:
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
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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-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.SEE1.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
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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>
```