

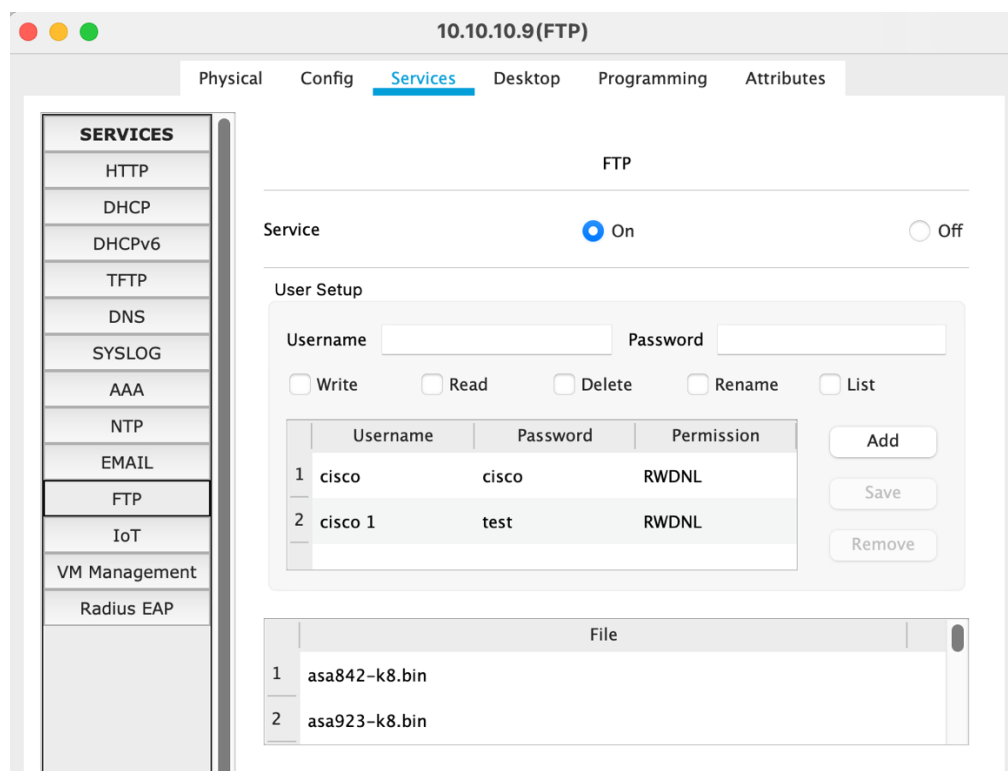
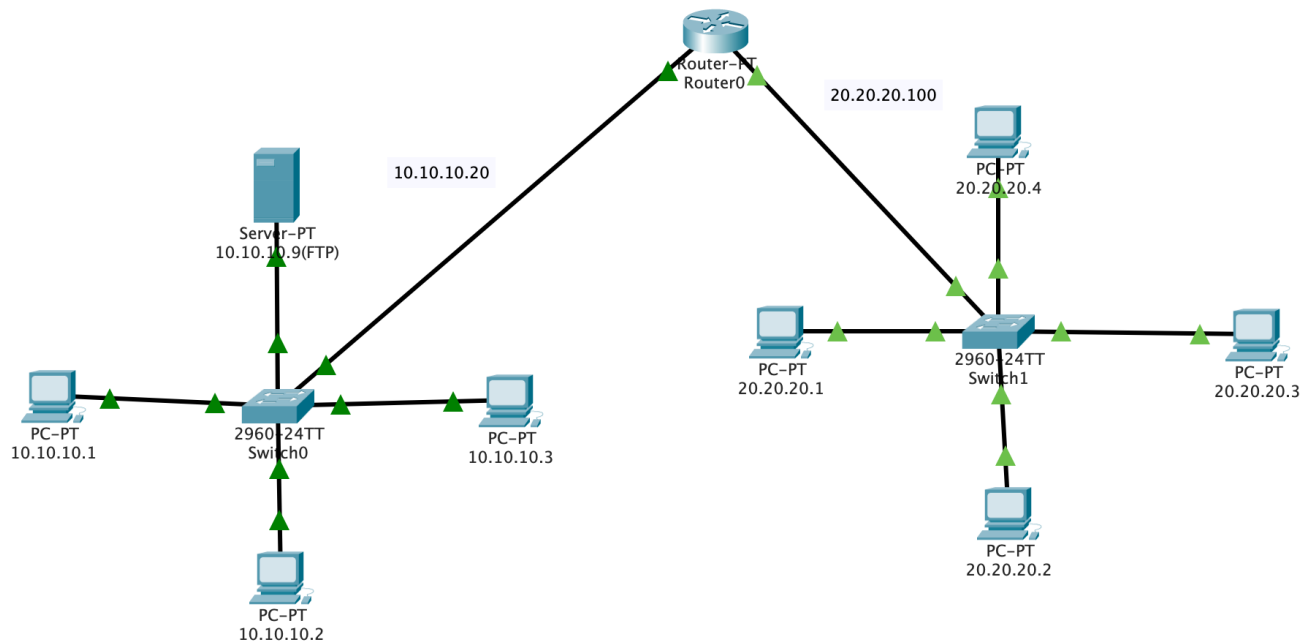
Date: 13 / 09 / 2022

Lab Practical #09:

Implement the various network protocols - FTP

Practical Assignment #09:

Implement the application protocol - FTP using packet tracer.



FTP Configuration

DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY
Semester 5th | Practical Assignment | Computer Networks (3150710)

Date: 13 / 09 / 2022

```
20.20.20.1
Physical  Config  Desktop  Programming  Attributes

Command Prompt

Reply from 10.10.10.9: bytes=32 time=1ms TTL=127
Reply from 10.10.10.9: bytes=32 time=1ms TTL=127
Reply from 10.10.10.9: bytes=32 time<1ms TTL=127
Reply from 10.10.10.9: bytes=32 time<1ms TTL=127

Ping statistics for 10.10.10.9:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ftp 10.10.10.9
Trying to connect...10.10.10.9
Connected to 10.10.10.9
220- Welcome to FT Ftp server
Username:cisco 1
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>put hello.txt

Writing file hello.txt to 10.10.10.9:
File transfer in progress...

[Transfer complete - 31 bytes]

31 bytes copied in 0.021 secs (1476 bytes/sec)
ftp>dir

Listing /ftp directory from 10.10.10.9:
 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 : hello.txt                        31
27 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : ir800-universalk9-mz.SPA.155-3.M  61750062
29 : ir800-universalk9-mz.SPA.156-3.M  63753767
30 : ir800_yocto-1.7.2.tar            2877440
31 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
32 : pt1000-i-mz.122-28.bin           5571584
33 : pt3000-i6q412-mz.121-22.EA4.bin  3117390
ftp>
```

Put file on FTP server from 20.20.20.1

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Semester 5th | Practical Assignment | Computer Networks (3150710)

Date: 13 / 09 / 2022

20.20.20.3

PhysicalConfigDesktopProgrammingAttributes

Command Prompt X

```
Packet Tracer PC Command Line 1.0
C:\>ftp 10.10.10.9
Trying to connect...10.10.10.9
Connected to 10.10.10.9
220- Welcome to PT Ftp server
Username:cisco 1
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>get hello.txt

Reading file hello.txt from 10.10.10.9:
File transfer in progress...

[Transfer complete - 31 bytes]

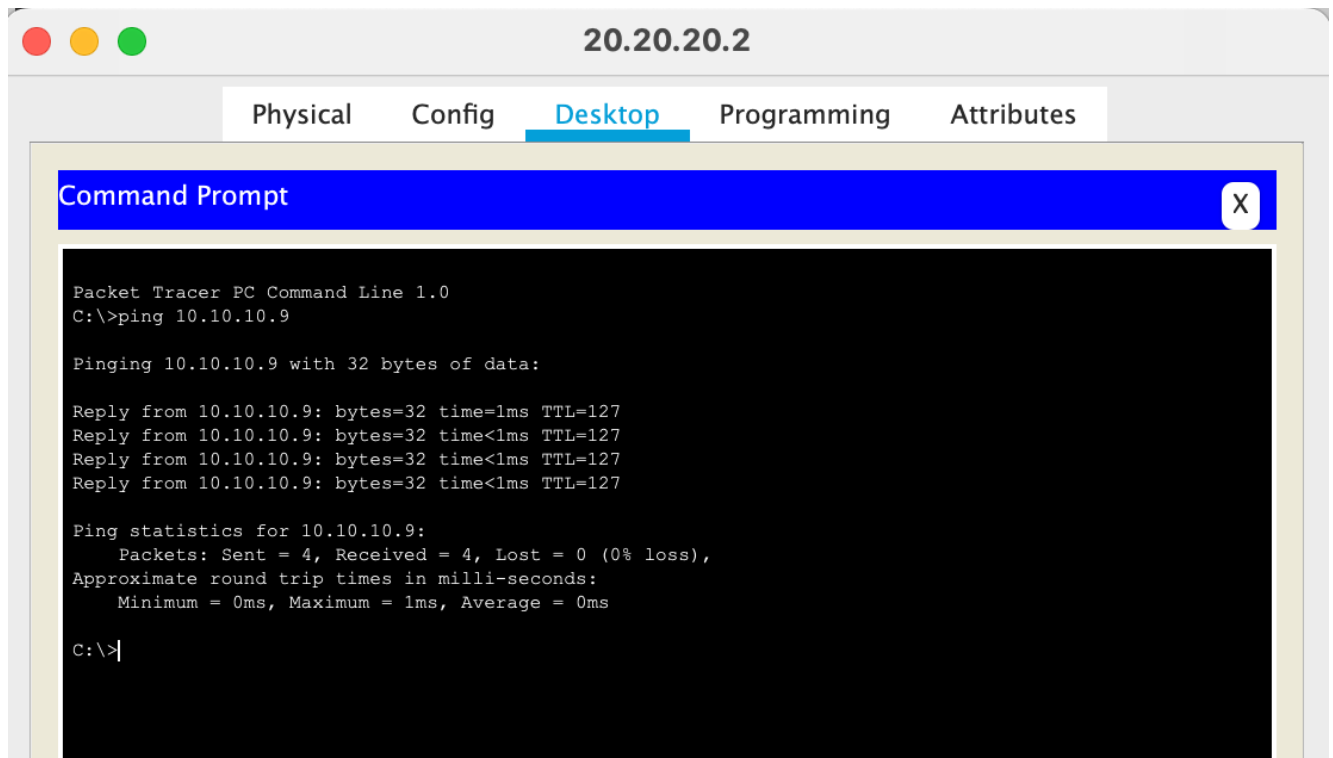
31 bytes copied in 0.011 secs (2818 bytes/sec)
ftp>dir

Listing /ftp directory from 10.10.10.9:
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-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  : hello.txt                                  31
27  : ir800-universalk9-bundle.SPA.156-3.M.bin    160968869
28  : ir800-universalk9-mz.SPA.155-3.M            61750062
29  : ir800-universalk9-mz.SPA.156-3.M            63753767
30  : ir800_yocto-1.7.2.tar                      2877440
31  : ir800_yocto-1.7.2_python-2.7.3.tar         6912000
32  : pt1000-i-mz.122-28.bin                     5571584
33  : pt3000-i6q4l2-mz.121-22.EA4.bin            3117390
ftp>
```

Get file From FTP server on 20.20.20.3

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Semester 5th | Practical Assignment | Computer Networks (3150710)

Date: 13 / 09 / 2022



20.20.20.2

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 10.10.10.9

Pinging 10.10.10.9 with 32 bytes of data:

Reply from 10.10.10.9: bytes=32 time=1ms TTL=127
Reply from 10.10.10.9: bytes=32 time<1ms TTL=127
Reply from 10.10.10.9: bytes=32 time<1ms TTL=127
Reply from 10.10.10.9: bytes=32 time<1ms TTL=127

Ping statistics for 10.10.10.9:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>|
```

Ping from 20.20.20.2 to 10.10.10.9 (FTP Server)