

LAB 12

To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

OBSERVATION:

LAB - 12

Aim:- To understand the operation of TELNET accessing the router in server room from a PC in IT office.

Topology:-

PC-PT
PC0
10.0.0.2

Router-PT
Router1
10.0.0.1

PROCEDURE:-

- 1) Create the topology as shown above wire used copper cross over.
- 2) Configure the PC.
IP address = 10.0.0.2
Gateway = 10.0.0.1
- 3) Go to CLI mode in Router 0
Router > enable
Router # config t
Router (Config) # hostname R1
R1 (Config) # enable secret pass1
R1 (Config) # interface fa0/0

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>1 (config) # ip address 10.0.0.1 255.0.0.0
>1 (config-if) # no shut
>1 (config-if) # line vty 0 5
>1 (config-line) # login
>1 (config-line) # password Pass 0
>1 (config-line) # exit
>1 # wri

```

PING OUTPUT in PC

we can successfully ping 10.0.0.1 from
PC > telnet 10.0.0.1

Trying 10.0.0.1: open
user Access Verification.

Password: Pass 0

>1 > enable

Password: Pass 1

>1 # Show IP route

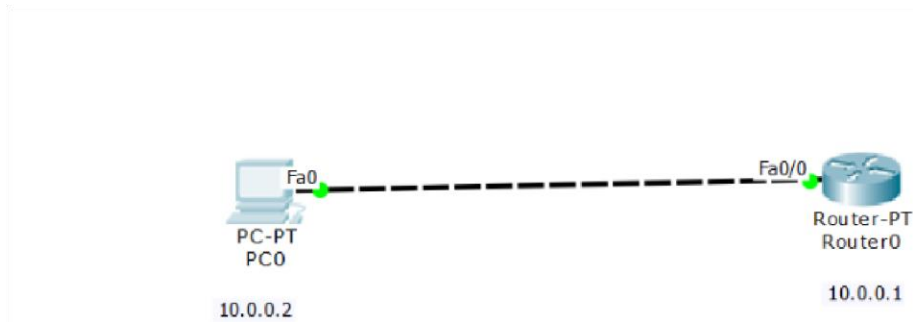
C 10.0.0.0/8 is directly connected, Fast Ethernet 0/0

OBSERVATION:-

we can observe that the admin in PC is able
to run commands as seen in router in CLI
and see the result from the PC.

So with the help of TELNET, we can access the
router in server room from a PC.

TOPOLOGY:



OUTPUT:

```
PC0
Physical Config Desktop Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.1
Pinging 10.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: bytes=32 time=1ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open
User Access Verification
Password:
% Password: timeout expired!
[Connection to 10.0.0.1 closed by foreign host]
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open
User Access Verification
Password:
Password:
Password:
[Connection to 10.0.0.1 closed by foreign host]
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open
User Access Verification
Password:
r1>enable
Password:
r1#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
        i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
        * - candidate default, U - per-user static route, o - ODR
        P - periodic downloaded static route
Gateway of last resort is not set
C    10.0.0.0/8 is directly connected, FastEthernet0/0
r1#
```