

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

Observation:

11/08/23. Lab -10.

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

Topology:

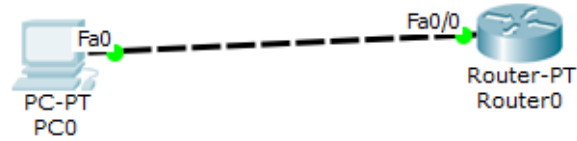
PC-P1
PC0
10.0.0.2

Router-P1
Router0
10.0.0.1

Procedure:

1. Create the above topology with a PC and Router.
2. Set gateway of PC to 10.0.0.1 and IP address of PC to 10.0.0.2.
3. Go to CLI mode of router and set the IP address of interface Fa0/0 to 10.0.0.1.
4. After setting up all the topology.
5. Go to router and enable config mode.
6. Type hostname R1, then type enable secret P1 here P1 is password of your choice.
7. Then type IP address 10.0.0.1 & execute no shut command.
8. In interface mode itself execute line vty 0 5 command. which creates 6 lines and next execute login and in next command. password P0 is. the password for login of router.
9. Go to command prompt of PC & execute telnet 10.0.0.1 which will get you administration access of router. Enter password & access router from a connected end device.

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=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
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 = 0ms, Average = 0ms

PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open

User Access Verification

Password:
rl>enable
Password:
rl#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
rl#
```