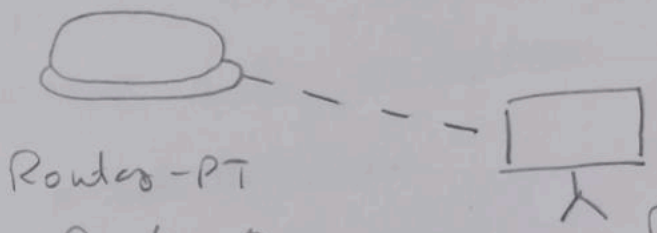
Lab 8 [iii].

Aim

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

Topology



Procedure

-> Create a topology as shown above.
-> Connect the devices using copper cross wire.
-> Configure the PC.

IP address - 10.0.0.2

gateway - 10.0.0.1

Router > en

Router # config

Router (config) # hostname 0.1

R1 (config) # enable secret pass1

R1 (config) # interface fa 0/0

R1 (config) # ip address 10.0.0.1 255.0.0.0.

R1 (config-if) # no shut

R1 (config-if) # line vty 0-5.

R1 (config-if) # login

R1 (config-line) # password PO.

R1 (config-line) # exit

ping output in PC 0

we can successfully ping 10.0.0.1 from PC0

PC > telnet 10.0.0.1

trying 10.0.0.1 open

User Access Verification.

Password : P1

R1 # show ip-route.

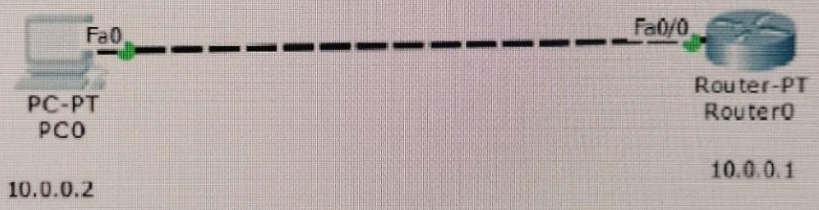
C 10.0.0.0/8 is directly connected. fa0/0

Observations

- we can observe that the admin in PC is able to run commands as run in router CLI and the result from the PC.
- So with the help of TELNET, we can access the router in Server room from a PC.

AL
13/8/2023

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#
```