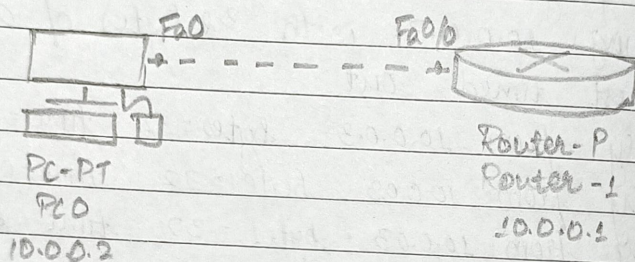


AIM

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

TOPOLOGY :-PROCEDURE :-

- Create a topology as shown above
- Config the IP address & gateway for PC0
- Config the router by executing the following commands
 - enable
 - config T
 - hostname r1
 - enable secret P1
 - interface fastethernet 0/0
 - ip address 10.0.0.1 255.0.0.0
 - no shut
 - line vty 05
 - login
 - password P0

→ Exit : Exit

→ we

→ Ping message to router

Password for user access verification is P0

Password for enable is P1

Accessing router CLI from PC.

Show IP route

Ping output :-

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

Packets: Sent = 4 Received = 4 Lost = 0 (0% loss)

Approximate round trip times in milliseconds

minimum = 0ms, maximum = 0ms, average = 0ms

PC> telnet 10.0.0.1

Typing 10.0.0.1 open

User Access Verification

Password : P0

→ enable

Password : P1

!! # show ip route

c 10.0.0.0/8 is directly connected, FastEthernet 0/0

OBSERVATION

- TELNET stands for Teletype Network. It is a type of protocol that enables one computer to connect to the local computer.
- It is used as a standard TCP/IP protocol for virtual terminal service provided by ISO.
- During TELNET operation, whatever is being performed on the remote computer will be displayed by the local computer. TELNET operates on a client/server principle.