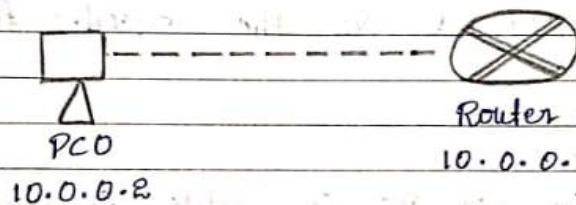


To construct the operation of TELNET by accessing the router in server room from a PC in IT office.

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

It provides the CLI for the communication with a remote device on server. Sometimes employed for remote management but also for initial device setup like network hardware. Telnet stands for Teletype Network but it can also be used as a verb. To telnet is to establish a connection using the telnet protocol.

Topology:



Steps are as follows:

Commands in Router

- 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 0 5 --to allow virtual terminal access for 6 users
- login
- password po
- exit
- exit

→ `write` - to save changes in router

Commands in PC

In Command prompt

`Ping 10.0.0.1`

Ping results seen

Password for user Access verification is `po`

password for enable is `pl`

Accessing routing CLI from PC

The admin in PC is able to run commands as run in router CLI & see the results from PC.

Observation:

The admin in PC is able to run commands as run in router CLI & see the results from PC.

*At the
3/11/2024*

TOPOLOGY:



OUTPUT:

```
PC0
Physical Config Desktop Custom Interface
Command Prompt X
Packet Tracer PC Command Line 1.0
PC> ping 10.0.0.10

Pinging 10.0.0.10 with 32 bytes of data:

Reply from 10.0.0.10: bytes=32 time=0ms TTL=255
Reply from 10.0.0.10: bytes=32 time=3ms TTL=255
Reply from 10.0.0.10: bytes=32 time=1ms TTL=255
Reply from 10.0.0.10: bytes=32 time=0ms TTL=255

Ping statistics for 10.0.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

PC>
```

```
Router0
Physical Config CLI
IOS Command Line Interface

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#enable secret r123
R1(config)#interface fastethernet 0/0
R1(config-if)#ip address 10.0.0.10 255.255.255.0
R1(config-if)#no shut

R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
line vty 0 3
R1(config-line)#login
% Login disabled on line 132, until 'password' is set
% Login disabled on line 133, until 'password' is set
% Login disabled on line 134, until 'password' is set
% Login disabled on line 135, until 'password' is set
R1(config-line)#password pl
R1(config-line)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console
vr
Building configuration...
[OK]
R1#
```

