

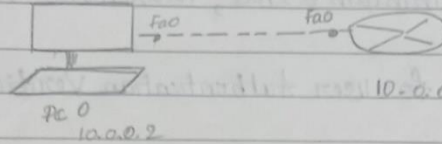
Experiment 10- To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

39

Bafna Gold
Date: Page:

Telnet

To understand the Operation of TELNET by accessing the number 1 router in Server room from a PC in IT office.



Procedure →

commands in Router. → enable.

config terminal

hostname.

enable. R1 [hostname]

enable secret password [password]

interface fastethernet 0/0

ip address 10.0.0.1 255.0.0.0

no shutdown.

line vty 0 5 - to allow terminal access for 6 users.

login

password po

exit

exit

wr - to save changes in router

Commands in PC → ping 10.0.0.1

ping results seen.

Reply from 10.0.0.1 bytes=32 time=6ms TTL=125

Reply from 10.0.0.1 bytes=32 time=6ms TTL=125

39

Reply from 10.0.0.1 byte=32 time=6ms TTL=125
Reply from 10.0.0.1 byte=32 time=6ms TTL=125

pinging statistics for 10.0.0.1

packet=4 Sent=4 Received=4 loss=0

Approximate round in milliseconds.

minimum=2ms, maximum=9ms, Avg=5ms.

password for user Authentication Verification is pc0 →

PC0> telnet 10.0.0.1

password:

R1> enable

password:

exit

R1# Show ip route

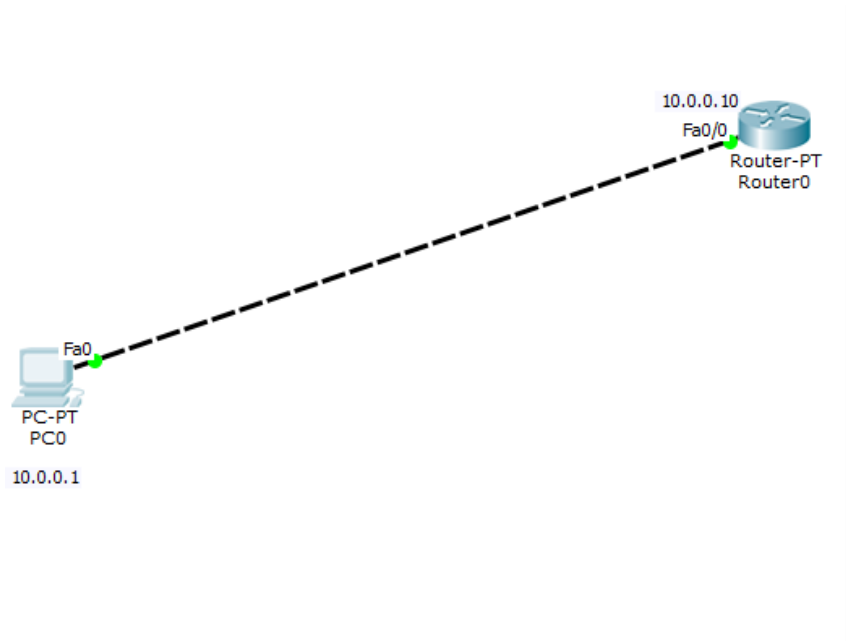
Codes: C - connected

Gateway of last resort is not set.

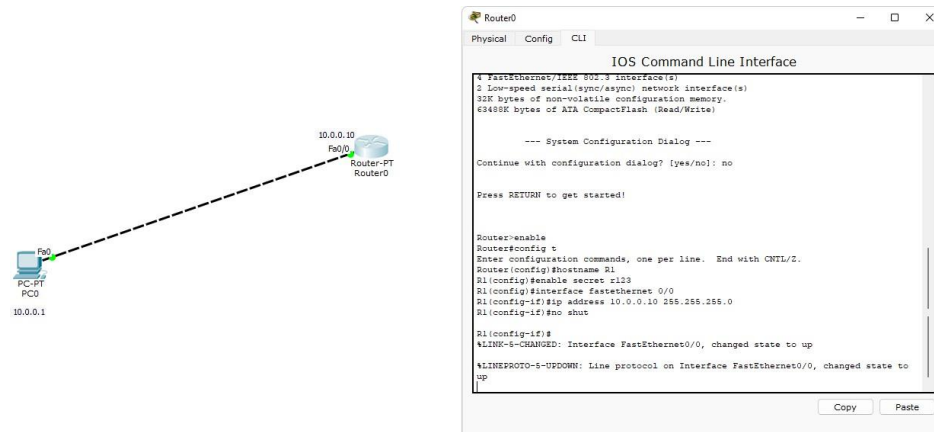
C 10.0.0.0/0 is directly connected, FastEthernet 0/0.

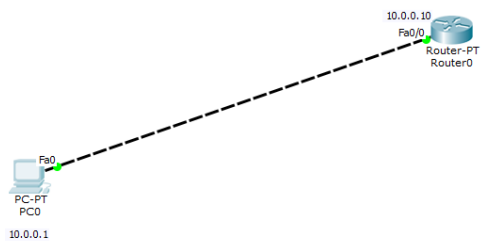
Handwritten signature/initials in red ink.

Topology:



Output:





```
PC0
Physical Config Desktop Custom Interface

Command Prompt

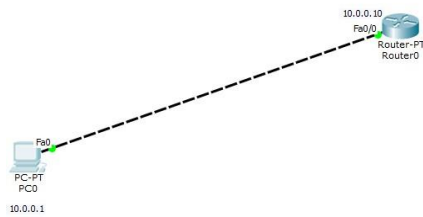
Packet Tracer PC Command Line 1.0
PC> ping 10.0.0.10

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>
```



```
PC0
Physical Config Desktop Custom Interface

Command Prompt

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>telnet 10.0.0.10
Trying 10.0.0.10 ...Open

User Access Verification

Password:
Password:
R1>pl
Translating "pl"...domain server (255.255.255.255)
* Unknown command or computer name, or unable to find computer address

R1>enable
Password:
Password:
R1#
```