

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

classmate

Date

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### Topology:



### Procedure:

- ① Create the topology
- ② Give IP address of PC0 as 10.0.0.1 & config the router IP address as 10.0.0.2.
- ③ Give the gateway as 10.0.0.2 in the PC0.
- ④ Now, in the router give the following cmds to create hostname, password.

```
Router > enable
Router # config
Router(config) # hostname r1
r1(config) # enable secret p1
r1(config) # interface fa 0/0
r1(config-if) # ip address 10.0.0.2 255.0.0.0
r1(config-if) # no shut
r1(config-if) # line vty 0 5
r1(config-line) # login
r1(config-line) # password p0
r1(config-line) # exit
r1(config) # exit
```

⑤ Command `wr` is used to save changes in router.

OUTPUT:

`ping 10.0.0.2`

`PC > ping 10.0.0.2`

pinging 10.0.0.2 with 32 bytes of data.

Reply from 10.0.0.2: bytes=32 time=1ms TTL=

Reply from 10.0.0.2: bytes=32 time=2ms TTL=

Reply from 10.0.0.2: bytes=32 time=1ms TTL=

Reply from 10.0.0.2: bytes=32 time=1ms TTL=

ping statistics for 10.0.0.2:

packets: Sent=4, received=4, lost=0 (0% loss),

Approximate round trip time in ms:

minimum=0, maximum=, Average=

`PC > telnet 10.0.0.2`

trying 10.0.0.2... open

User Access Verification

Password: Po

`rt > enable`

password: p1

`rt # show ip route`

Codes: C - connected, S - static, I - IGRP, R - RIP,  
M - mobile

Gateway of last resort is not set.

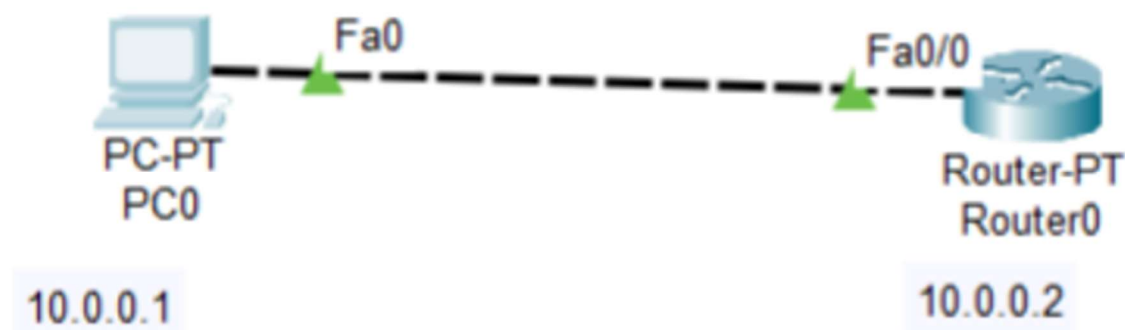
C 10.0.0.0/8 is directly connected, fa 0/0

Observation: The admin in PC can run router commands fr PC & get router.

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```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time<1ms TTL=255
Reply from 10.0.0.2: bytes=32 time<1ms TTL=255
Reply from 10.0.0.2: bytes=32 time<1ms TTL=255
Reply from 10.0.0.2: bytes=32 time<1ms TTL=255

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>telnet 10.0.0.2
Trying 10.0.0.2 ...Open

User Access Verification

Password:
pooja>enable
Password:
pooja#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
pooja#
```