
PC-PT
PC0
IPv4: 10.0.0.1
DNS: 255.0.0.0
Gateway: 10.0.0.2
DNS: 255.0.0.0
Router-PT
Router0
FE0/0
IPv4: 10.0.0.2
DNS: 255.0.0.0

Router0

Physical | Config | CLI

IOS Command Line Interface

```
Router(config)#interface fastethernet0/0
Router(config-if)$no shutdown

Router(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
ip address 10.0.0.2 255.0.0.0
Router(config-if)$exit
Router(config)$hostname R1
R1(config)$enable secret P0
R1(config)$line vty 0 5
R1(config-line)$login
% Login disabled on line 132, until 'password' is set
% Login disabled on line 133, until 'password' is set
% Login disabled on line 134, until 'password' is set
% Login disabled on line 135, until 'password' is set
% Login disabled on line 136, until 'password' is set
% Login disabled on line 137, until 'password' is set
R1(config-line)$password P1
R1(config-line)$exit
R1(config)$exit
R1$
%SYS-5-CONFIG_I: Configured from console by console

R1$wr
Building configuration...
[OK]
R1$
```

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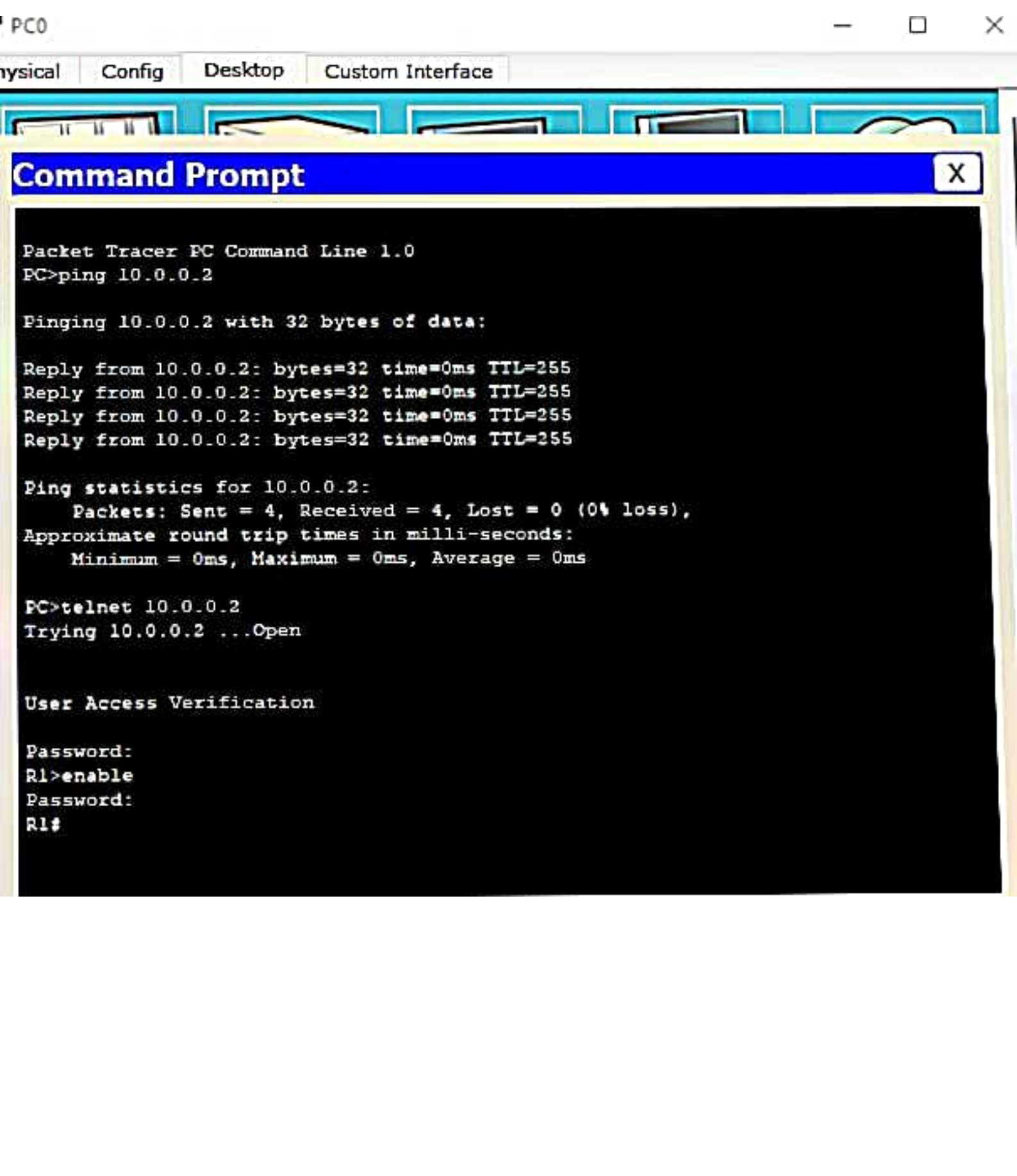
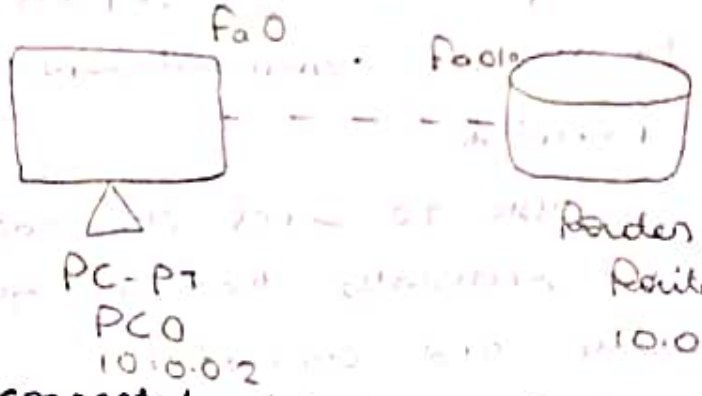
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	Router0	ICMP		0.000	N	0	(edit)	


PC0
ysical
Config
Desktop
Custom Interface
Command Prompt
X
Packet Tracer PC Command Line 1.0
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=0ms TTL=255
Reply from 10.0.0.2: bytes=32 time=0ms TTL=255
Reply from 10.0.0.2: bytes=32 time=0ms TTL=255
Reply from 10.0.0.2: bytes=32 time=0ms 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
PC>telnet 10.0.0.2
Trying 10.0.0.2 ...Open
User Access Verification
Password:
R1>enable
Password:
R1#

Ques / AIM :- To understand the operation of TELNET by accessing the router in server room from PC in IT office.

Topology :-



A router connected to a single PC via a fastethernet interface with copper cross-over cable

Procedure :-

1. Open cisco packet tracer and drag a PC & a router. Connect the PC to the router via fastethernet interface with copper cross-over-wire

2. Assign IP address to the PC - 10.0.0.2 with gateway 10.0.0.1

Config the router

```
Router > enable
Router # config
Router(config) # hostname R1
R1(config) # enable secret P1
R1(config) # interface fastethernet 0/0
R1(config-if) # 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 p0
```

In command prompt

ping 10.0.0.1

password for user authentication is p0

password for enable is p1

Observations

Telnet is a protocol for remote access to server. It allows command-line communication over a network.

The PC is able to send the data to the router and indicates that the gateway is available and connected.

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