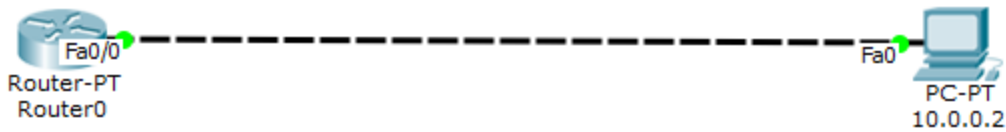


CN LAB-08b (18/08/2023)

USN: 1BM21CS172

Depict TELNET in a topology.

TOPOLOGY:



ROUTER CONFIG:

```
Router0
Physical Config CLI
IOS Command Line Interface

San Jose, California 95134-1706

Cisco Internetwork Operating System Software
IOS (m) PT1000 Software (PT1000-I-M, Version 12.2(28), RELEASE SOFTWARE (fc6))
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2006 by Cisco Systems, Inc.
Compiled Wed 27-Sep-04 15:01 by mlwang

PT 1001 (PTSC1006) processor (revision 0x200) with 69416K/5120K bytes of memory

Processor board ID PT0129 (0129)
PT2006 processor: part number 0, mask 01
Bringing software...
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial (synch/asynch) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

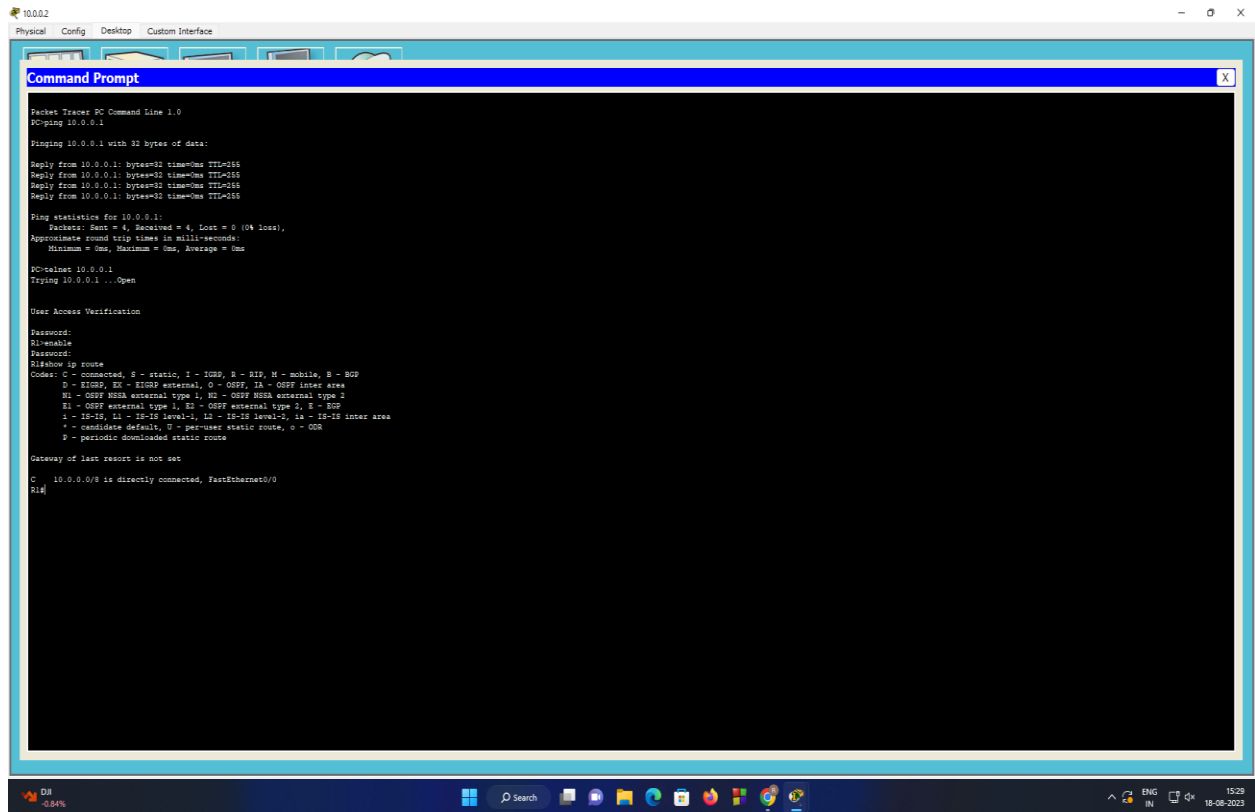
Router#enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#enable secret R1
R1(config)#interface Fa0/0
R1(config-if)#ip address 10.0.0.1 255.0.0.0
R1(config-if)#no shut

R1(config-if)#
%LINK-3-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-3-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R1(config-if)#line vty 0 4
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 P0
R1(config-line)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#
Building configuration...
[OK]
R1#
```

PING COMMAND:



The screenshot shows a Packet Tracer PC Command Line 1.0 window. The window has a blue title bar with the text "Command Prompt" and a close button. The main area is a black terminal window with white text. The text shows the execution of a ping command from 10.0.0.1 to 10.0.0.1. The output indicates that the ping was successful, with 4 packets sent, 4 received, and 0 lost. The round trip times are approximately 0ms. Below the ping output, the user enters the command "ipconfig" and the output shows the IP address of the interface as 10.0.0.9.

```
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

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>ipconfig

Trying 10.0.0.1 ...Open

User Access Verification

Password:
$1$enable
Password:

R1#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
R1#
```