

10-8-25

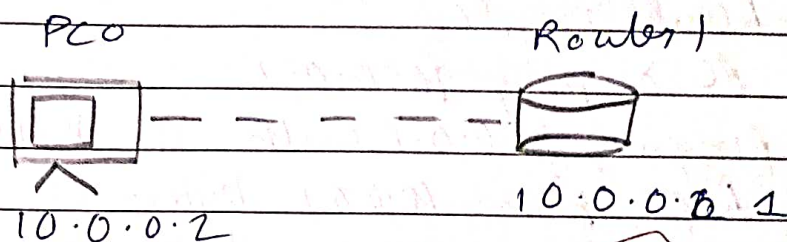
classmate

Date _____

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Aim: To understand operation of telnet by accessing the router in server from a PC in IT office

Topology



Procedure

- 1) configure topology as shown, use copper cross over wire. IP address of PC and gateway and router configuration as normal

In Router CLI

Router > enable

Router ># config t

Router (config) ># hostname R1

R1 (config) ># enable secret p1

R1 (config) ># enable interface fastEthernet 0/0

R1 (config) ># ip address 10.0.0.1 255.0.0.0

R1 (config-if) ># no shut

R1 (config-if) ># 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

R1 (config-line) ># password p0

R1 (config-line) ># exit

RT# wr

Building configuration
[OK]

RT#

Result in PC

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 trip time in milliseconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC > telnet 10.0.0.1

Trying telnet 10.0.0.1

User Access Verification

Password: (Type P)

RT# enable

Password

(Type P)

RT# show ip route

codes:

gateway of last resort is not set

10.0.0.0/8 is directly connected, FastEthernet0/23

Observation:

- 1) Telnet is used by terminal emulation program that allows you to log into remote host
- 2) we logged into 10.0.0.1 through 10.0.0.2 PC
- 3) password when typed isn't visible.

PC0

Physical Config Desktop Custom Interface

Command Prompt

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 = 1ms, Average = 0ms

PC>telnet 10.0.0.1

Trying 10.0.0.1 ...Open

User Access Verification

Password:

rl>enable

Password:

rl#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

rl#

