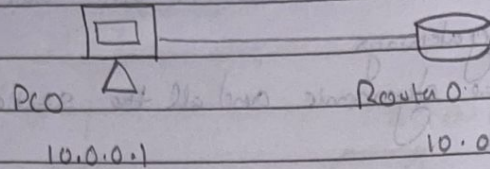


EXPERIMENT-11

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

- 1.) Demonstrate TELNET by accessing
Server room from a PC.

Topology:



Procedure:

- 1) Select a PC and router and set IP as
PC → 10.0.0.1 Router 10.0.0.2
- 2) Set the IP address for router in CLI.
- 3) Enter the following commands.

→ enable

→ config t

→ enable secret pl

→ int fa 0/0

→ ip address 10.0.0.2 255.0.0.0

→ no shut

→ line vty 0

→ login

→ password po

→ exit

→ in

Output:

PC> ping 10.0.0.1

Trying 10.0.0.1 ... 0/0

User Access Verification

Password: po

al> enable

Password: pl

al# show IP route

Gateway of last

LS

10.0.0.0/8 is directly connected, En 0/0

6/10

N

2/9/23

TOPOLOGY & OUTPUT

Cisco Packet Tracer Student - C:\Users\sanja\Cisco Packet Tracer 6.2sv\saves\telnet.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Titled Background Viewport

Simulation Panel

Event List

Vis.	Time(sec)	Last De	At Dev	Type	Info
	36.934	--	Rout...	CDP	
	36.935	Router0	PC0	CDP	
	96.934	--	Rout...	CDP	
	96.935	Router0	PC0	CDP	
	156.934	--	Rout...	CDP	

Reset Simulation ☒ Constant Delay Captured to: 156.934 s

Play Controls

Back Auto Capture / Play Capture / Forward

Event List Filters - Visible Events

ACL Filter, ARP, BGP, CDP, DHCP, DHCPv6, DNS, DTP, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, LACP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAg, POP3, RADIUS, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP

Edit Filters Show All/None

Time: 00:03:00.519 Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward

Event List Simulation

Fire Last Statu Sourc Destinatio Type Colo Time(s) Period Num Edit Delete

Successful PC0 Router0 IC... 0.000 N 0 (ed... (delete)

PC0

Physical Config Desktop Custom Interface

Command Prompt

```

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=1ms 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 = 1ms, Average = 0ms

PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open

User Access Verification

Password:
r1#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#
  
```