

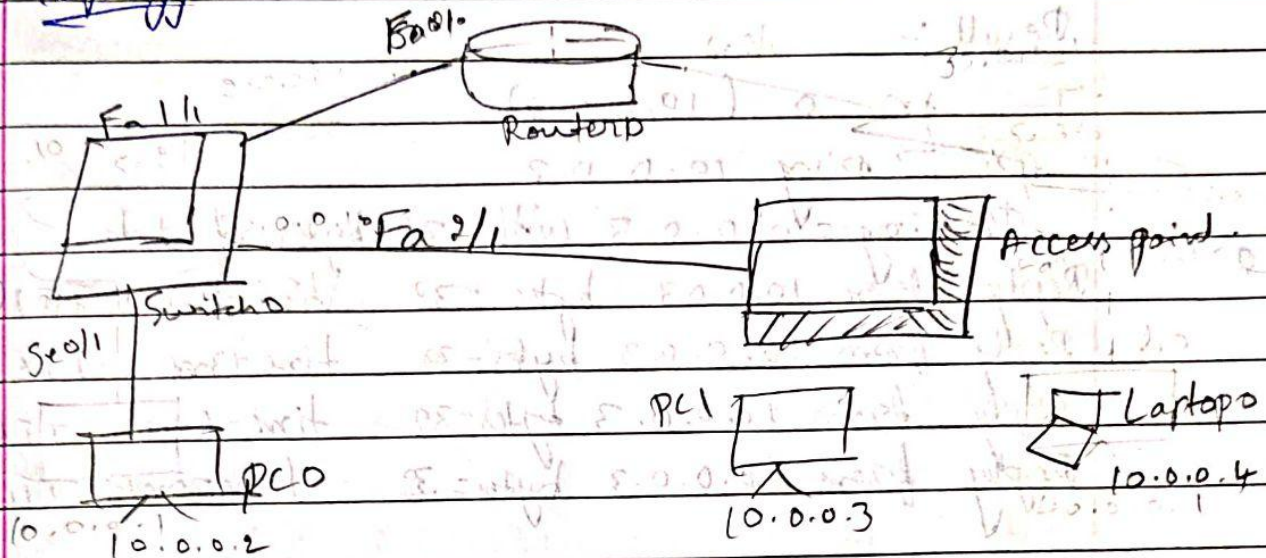
WEEK 12

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

OBSERVATION:

LAB - 10Aim:

To construct a WLAN and make the nodes communicate wirelessly.

Topology :-procedure :-

- (i) Construct above topology, in Access point PT connect that to router SRT the IP address of the PC connected with wire and configure router 1.
- (ii) Configure access point 1 → port 1 → SSID Name any name (WLAN here). Select WEP and give 10 digit 1234567890 key.
- (iii) To configure PC and laptop wirelessly, switch off the device. Drag the existing PT-Hot-MAC - 1 to the component listed in the LHS. Drag WMP300N wireless interface to the right port and click on the device.

Router>enable

Router #config t

Router (config) # interface fastEthernet 0/0

Router (config-if) # ip address 10.0.0.10 255.0.0.0

Router (config-if) # no shut

Result :-

In pc 0 (10.0.0.2)

PC > ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data

Reply from 10.0.0.3 bytes=32 time=13ms TTL=128

Reply from 10.0.0.3 bytes=32 time=13ms TTL=128

Reply from 10.0.0.3 bytes=32 time=6ms TTL=128

Reply from 10.0.0.3 bytes=32 time=20ms TTL=128

Ping statistics for 10.0.0.2

Packet sent=4, Received=4, lost=0 (0% loss)

Approximate round trip times in milliseconds

Minimum=6ms, Maximum=21ms, Avg=12ms

Observation

- (i) Wireless local area network WLAN is a group of networked computers or other devices that form a network based on a radio transmission rather than wire connections.

TOPOLOGY: OUTPUT:

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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=1ms 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 = 1ms, Average = 0ms

PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open

User Access Verification

Password:
% Password: timeout expired!

[Connection to 10.0.0.1 closed by foreign host]
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open

User Access Verification

Password:
Password:
Password:

[Connection to 10.0.0.1 closed by foreign host]
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open

User Access Verification

Password:
c1>enable
Password:
c1#show ip route
Codes: C - connected, S - static, I - IGMP, 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
c1#
```