

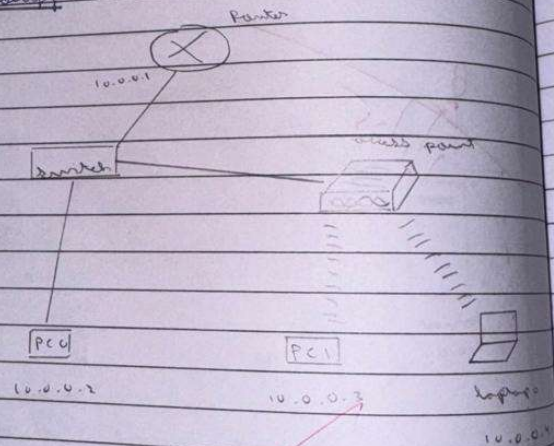
LAB-8

Aim

To conduct a WLAN (wireless LAN) and nodes communicate wirelessly

Devices used

Router, switch, PC, access point, laptop

TopologyProcedure

- (i) Construct the above topology. Configure the PC0 and Router at networkly device
- (ii) Configure access point 1 - Port 1 → SSID Name any name (WLAN)
- (iii) Select WEP and give any 10 digit hex key...

(iv) Configure PC1 standards

(v) In PC1, select all the components wireless network PC

(vi) In the command prompt, type WEP, WEP, networkly

(vii) Do the same

(viii) Copying the other device

alternatively

• Device is not networkly

• Signal

• Ping it

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(iv) Configure PC1 and laptop with wireless interface standards

(v) In PC1,
enable all device, bring existing IP-Host-Name-IPM
to components listed in the. Bring WMP300N
wireless interface to empty port and connect to
PC

(vi) In the config tab, a new wireless interface
would have been added now configure SSID,
WEP, WEP key, IP address and gateway and
naturally share to the device.

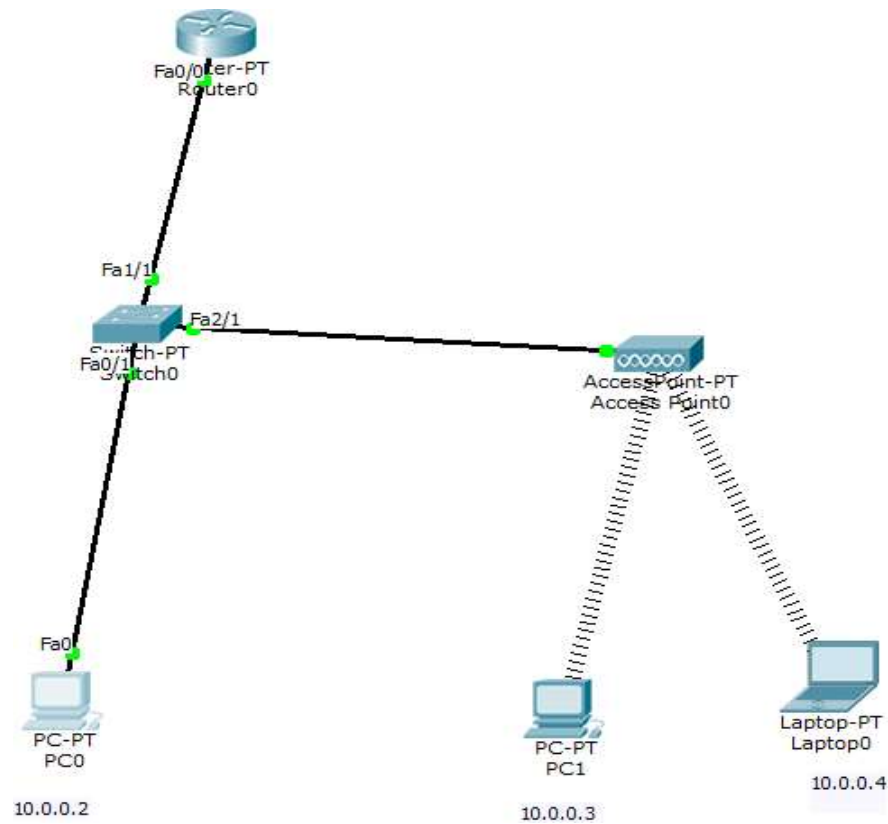
(vii) Do the same for the laptop

(viii) Ping from every device to every
other device to check the result.

Observations:

- Device could connect to WLAN as long as they
are within range.
- Signal strength decreases with distance.
- Ping is successful.

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PC0
Physical Config Desktop Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
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=22ms TTL=128
Reply from 10.0.0.3: bytes=32 time=6ms TTL=128
Reply from 10.0.0.3: bytes=32 time=3ms TTL=128
Reply from 10.0.0.3: bytes=32 time=7ms TTL=128

Ping statistics for 10.0.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 22ms, Average = 9ms

PC>ping 10.0.0.4

Pinging 10.0.0.4 with 32 bytes of data:

Reply from 10.0.0.4: bytes=32 time=19ms TTL=128
Reply from 10.0.0.4: bytes=32 time=5ms TTL=128
Reply from 10.0.0.4: bytes=32 time=6ms TTL=128
Reply from 10.0.0.4: bytes=32 time=7ms TTL=128

Ping statistics for 10.0.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 19ms, Average = 9ms

PC>
```