

18/12/2024

Experiment 12- To construct a WLAN and make the nodes communicate wirelessly

Observation Book:

Q: Construct WLAN and make nodes communicate wirelessly

Aim: To construct WLAN and make nodes communicate wirelessly

Topology

Procedure:

1. Connect Router, Switch and PC
2. Configure PC with IP address and configure Router
3. Place PC and laptop without any wired connection
4. Configure Access Point:
Port 1 → SSID Name → Enter any name → Select WEP and give any 10 digit hex key - 1234567890
5. Configure PC and laptop with wireless standards
6. Switch off device. Drag existing PT-HOST-NM-LAN to component listed on LHS.
Drag WMP300N wireless interface to empty

part. switch on device

7. In config tab, new wireless interface would have been added. New config SSID, WEP, WEP key, IP address, and gateway to device

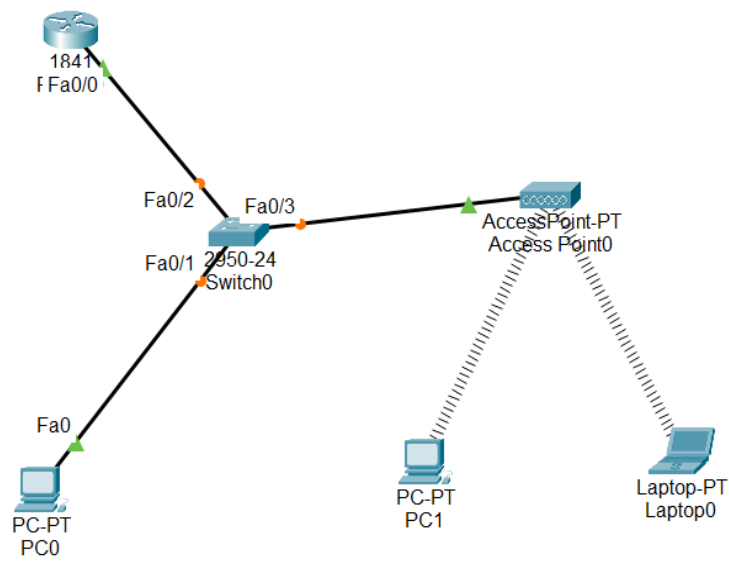
8. Ping from every device and observe results

OBSERVATIONS

WLAN enables wireless n/w comm. It uses radio wave for connecting and eliminates need for physical cables

At the 21st

Topology:



Output:

