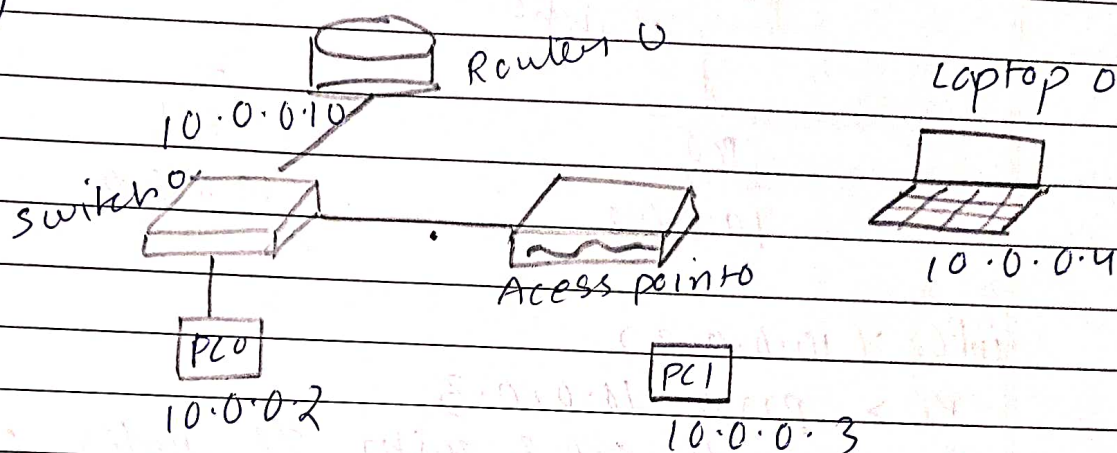


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Aim: To construct a WLAN and make the nodes communicate wirelessly.

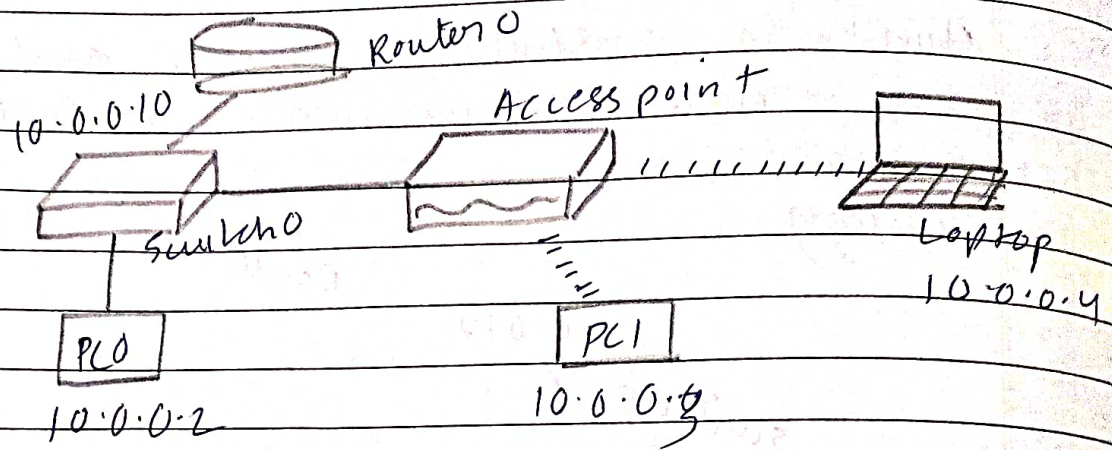
Topology



Procedure

- 1) Construct above topology we access point - PT connect that to router set the ip address of the PC connected with wire and configure router.
- 2) configure access point 1 -> port 4 -> Name -> any name Select WEP and give any 10 digit Key here. here - 1234567890.
- 3) To configure PC and Laptop wirelessly switch off the device. drag the existing PT-HOST NM-11M to component listed in LHS Drag WMP300N wireless interface to the empty port and switch on device.
- 4) Now in the config tab, a new wireless interface would have been added configure SSID, WEP, WEP key.
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 PC0 (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 = 21ms 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 = 0ms TTL = 128

Ping statistics for 10.0.0.3

Packets Sent = 4, received = 4, lost (0%)

Approximate round trip time in mill seconds
minimum = 6ms, maximum = 21ms, Avg = 12ms

Observation

- 1) Wireless local area network (WLAN) is a group of isolated computer or other devices that form a network based on radio transmission rather than wire connections.
- 2) After the WLAN is setup, the wired connection appears in topology from access point.

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