Configure a Basic WLAN on the WLC

Prepared by: Ayobami Omotayo Odulaja

Part 1: Monitor the WLC

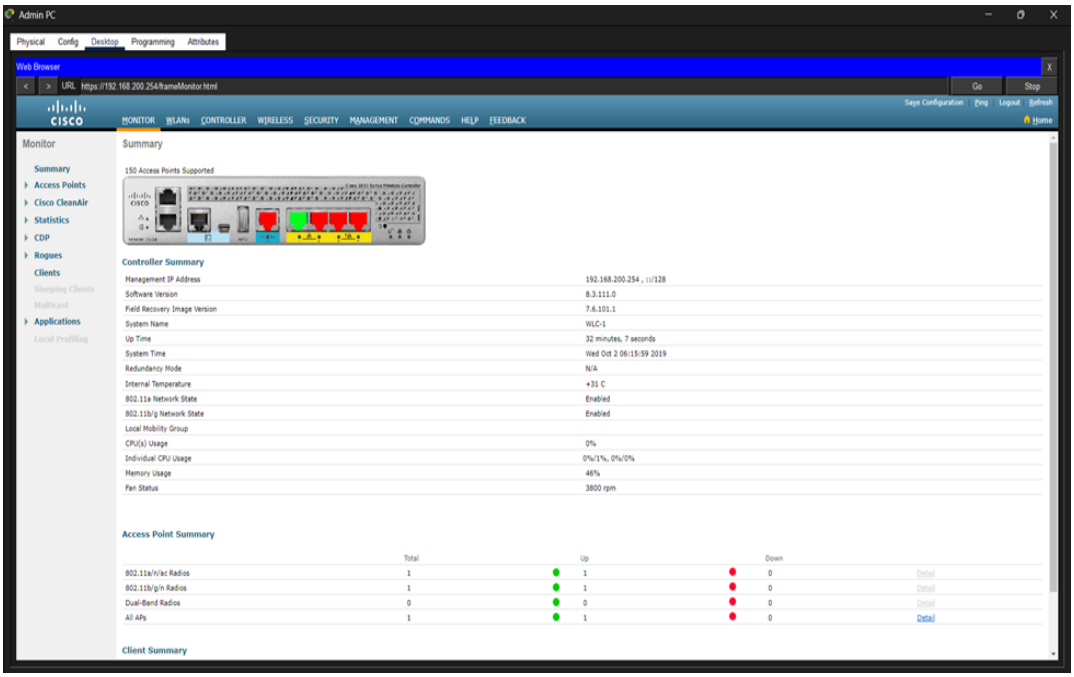

Figure 1 – WLC Monitor Summary

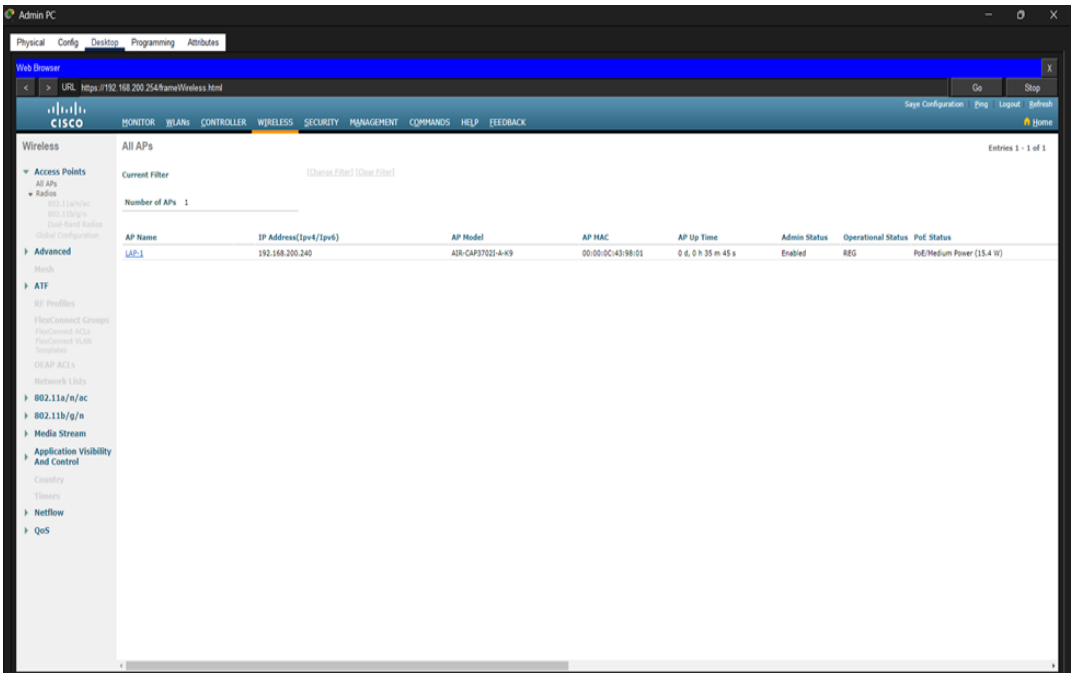

Figure 2 – All APs Details

Part 2: Create a Wireless LAN

Addressing Table:

Device	Interface	IP Address
R-1	G/0/0	172.31.1.1/24
	G0/0/1.5	192.168.5.1/24
	G0/0/1.200	192.168.200.1/24
SW-1	VLAN 200	192.168.200.100/24
LAP-1	G0	DHCP
WLC-1	Management	192.168.200.254/24
Server	NIC	172.31.1.254/24
Admin PC	NIC	192.168.200.200/24
Wireless Host	Wireless NIC	DHCP

Figure 3 – WLANs Initial Screen

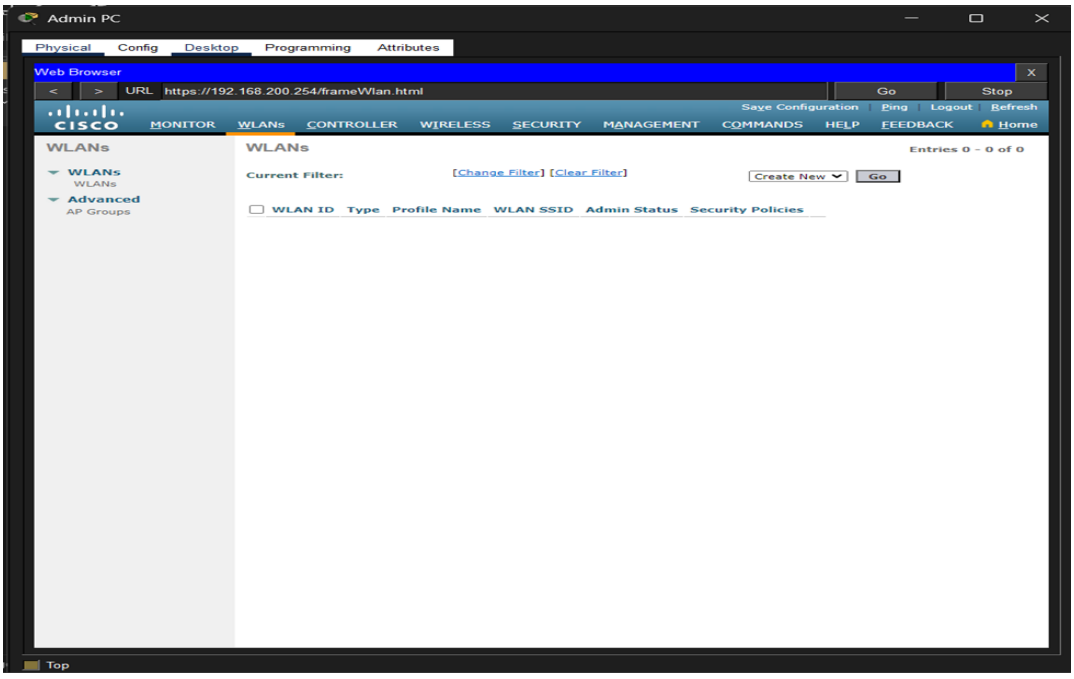

Figure 4 – WLAN Creation Settings

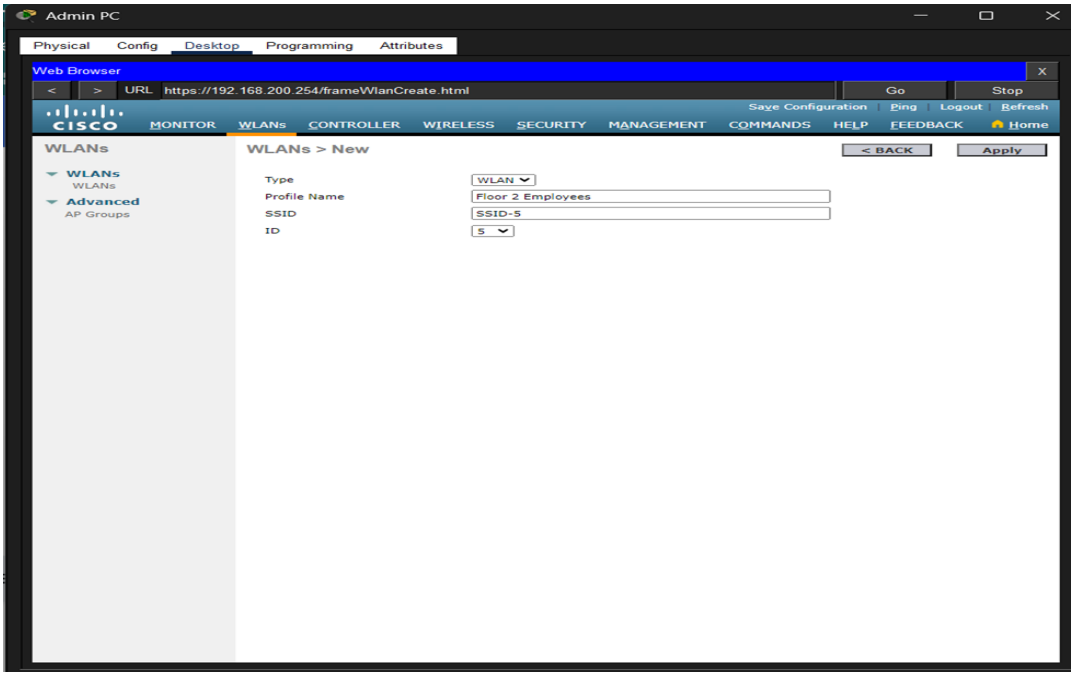

Figure 5 – WLAN Enabled and Interface Assigned

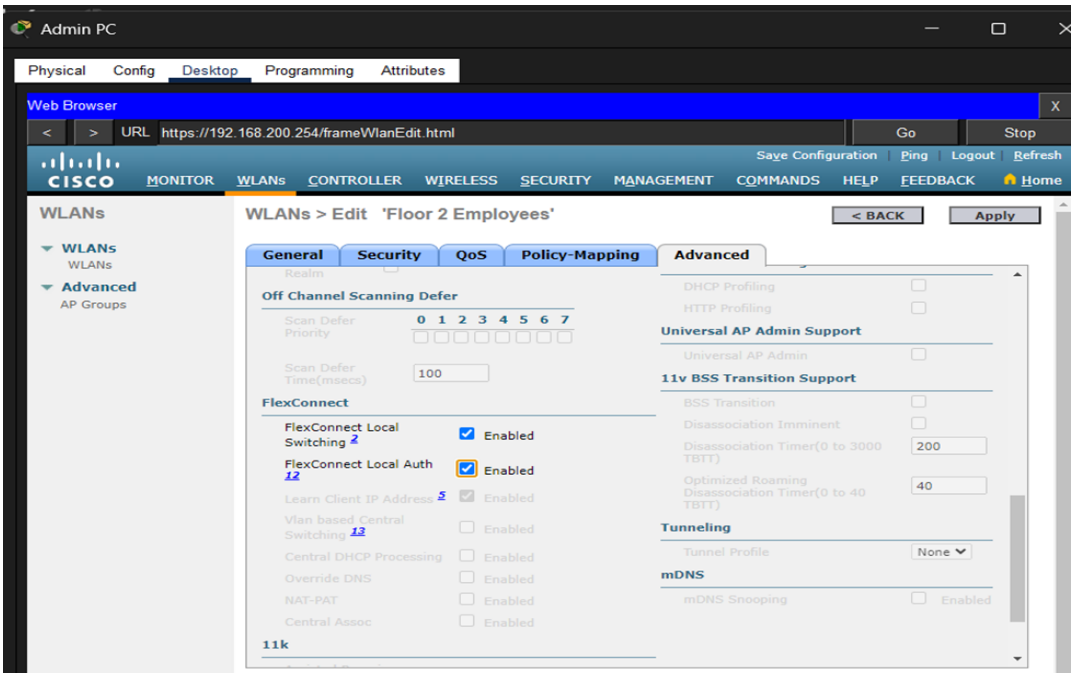

Figure 6 – FlexConnect Settings Enabled

WLAN Security Configuration

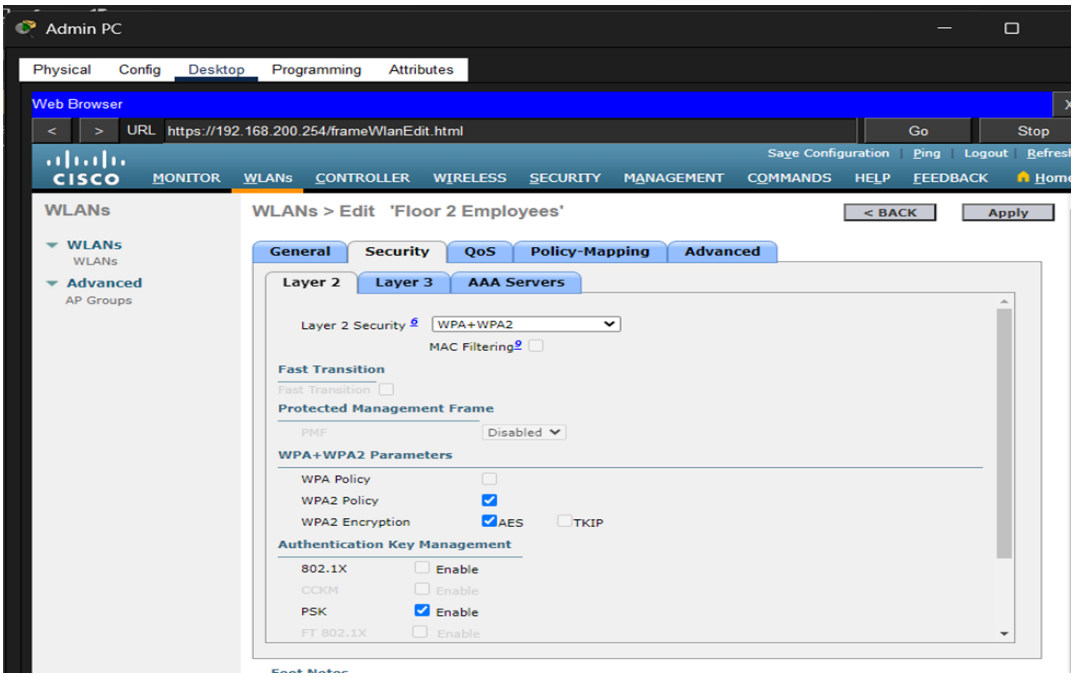

Figure 7 – WLAN Security WPA2-PSK

Part 3: Connect Host and Verify Connectivity

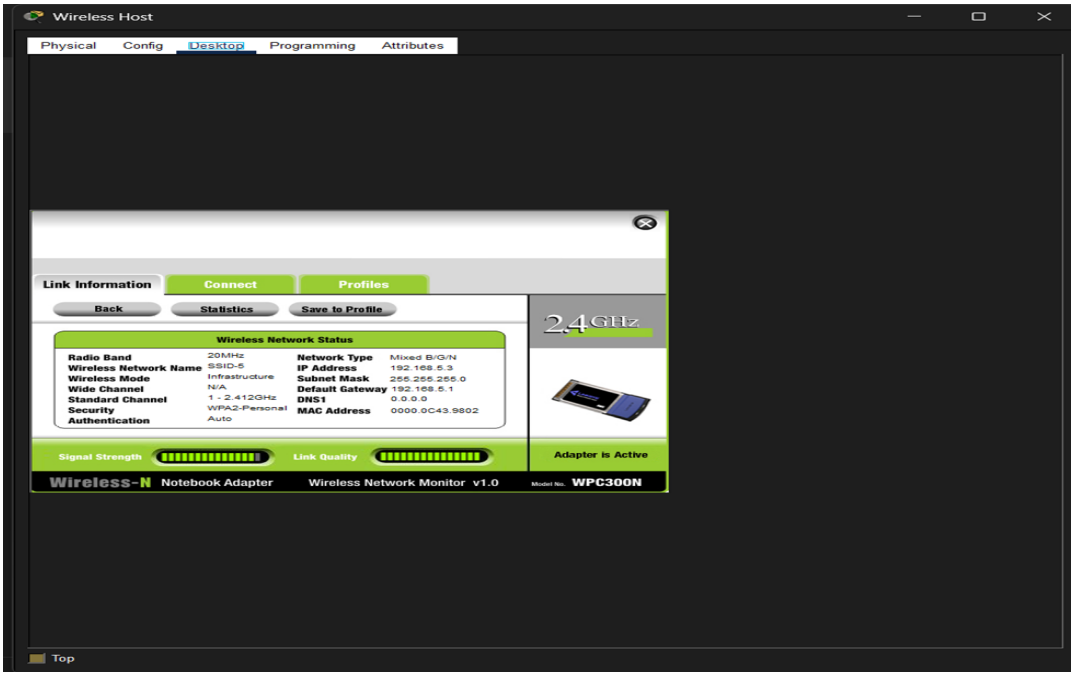

Figure 8 – Wireless Host Connected to SSID-5

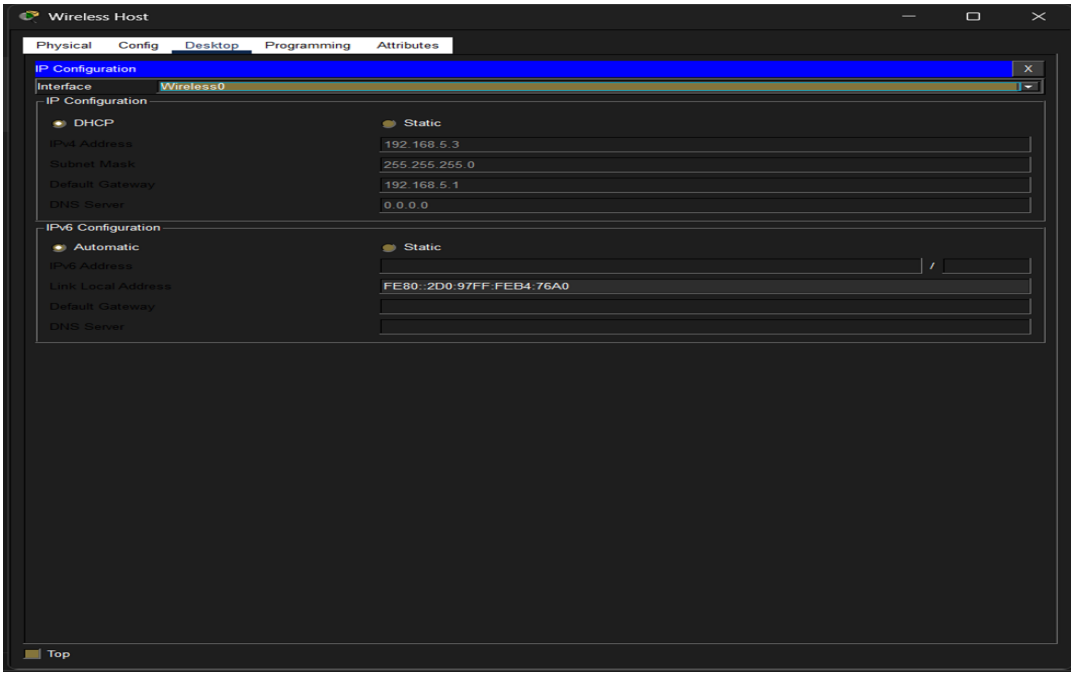

Figure 9 – DHCP IP Assigned

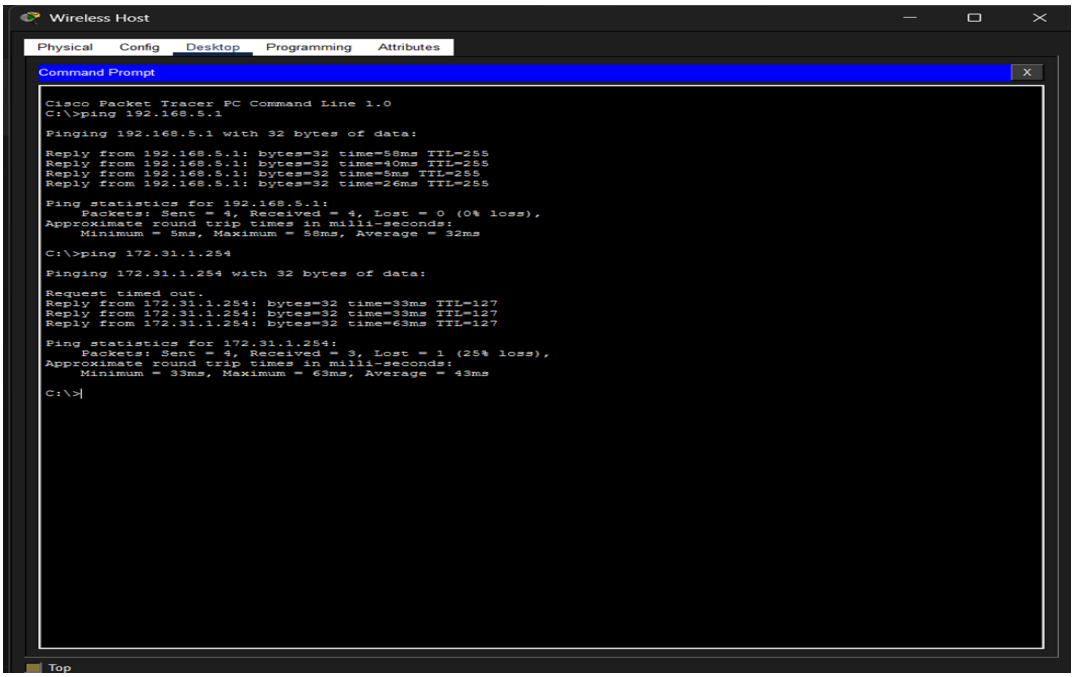

Figure 10 – Successful ICMP Ping Tests

Final Topology Screenshot

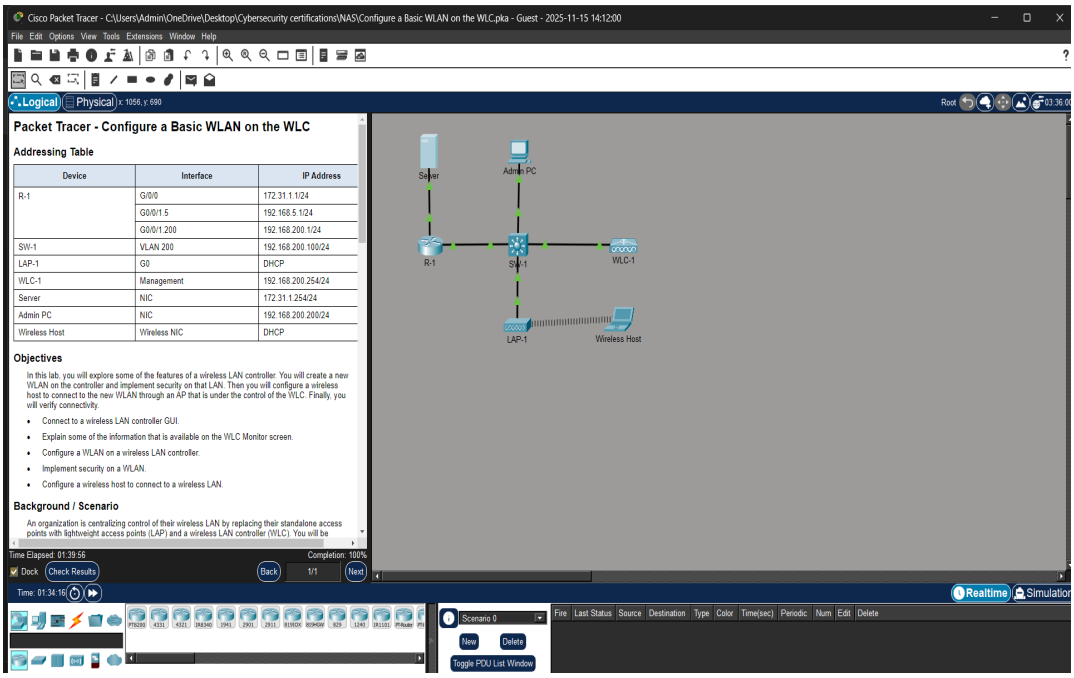

Figure 11 – Final Packet Tracer Topology