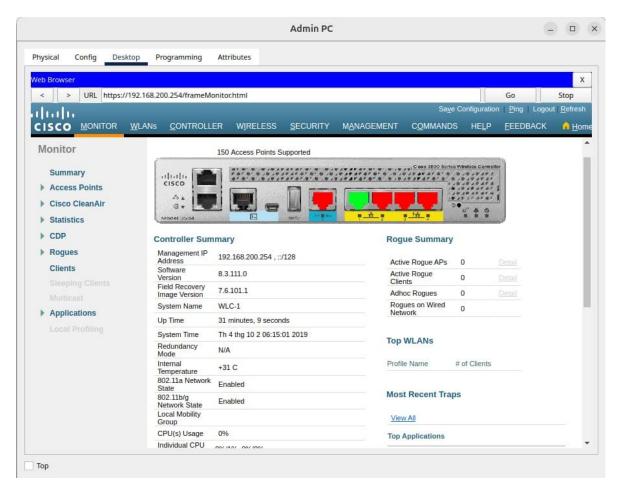
Họ và tên: Lê Chánh Ân

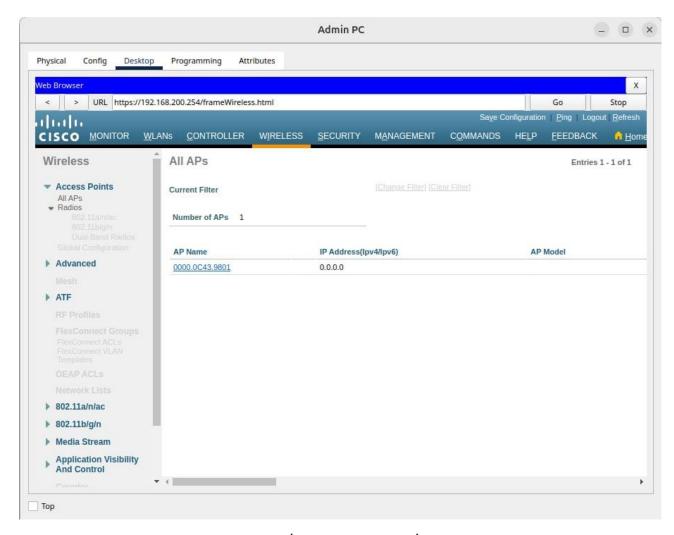
Mssv: 23530007

## Bài 1. Packet Tracer - Configure a Basic WLAN on the WLC

#### Part 1. Monitor the WLC



Hình 1.1.1. Đăng nhập vào web



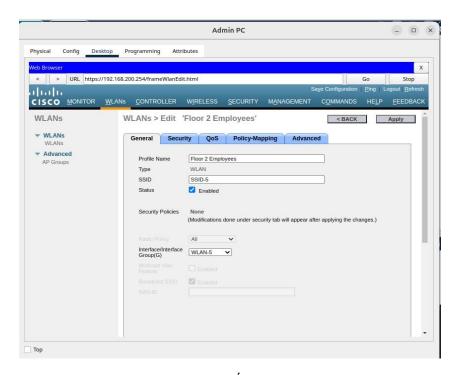
Hình 1.1.2. Nhấn vào chữ Detail kế bên Aps

#### Part 2. Create a Wireless LAN

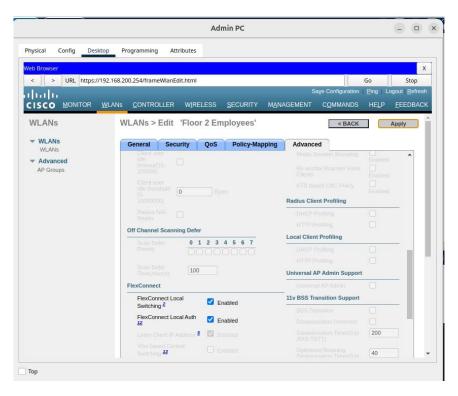
Step 1: Create and enable the WLAN.



Hình 1.2.1.1. Tạo WLAN mới

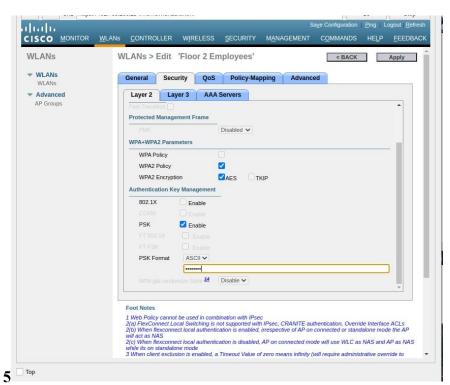


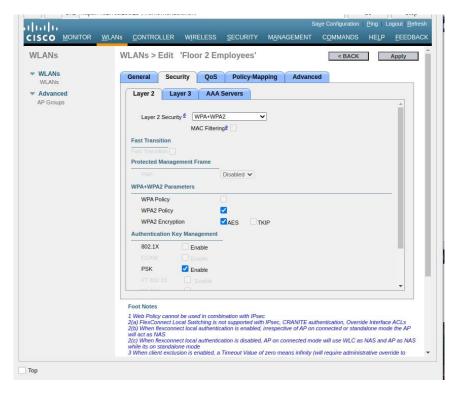
Hình 1.2.1.2. Gắn tên và SSID



Hình 1.2.1.3. tích enable và apply

### **Step 2: Secure the WLAN**





Hình 1.2.2. Bảo mật WLAN

## **Step 3: Verify the Settings**

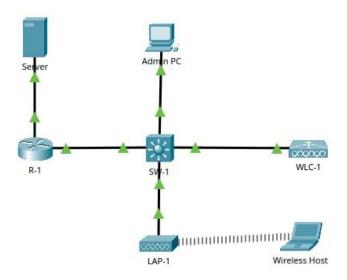


Hình 1.2.3. Xác minh thiết lập

- Part 3: Connect a Host to the WLAN
- Step 1: Connect to the network and verify connectivity.



Hình 1.3.1. Connect với SSID-5



Hình 1.3.2. Kết nối thành công.



Hình 1.3.3. Link information

```
Wireless Host

Physical Config Desktop Programming Attributes

Command Prompt

X

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 172.31.1.254

Pinging 172.31.1.254 with 32 bytes of data:

Request timed out.

Reply from 172.31.1.254: bytes=32 time=21ms TTL=127

Reply from 172.31.1.254: bytes=32 time=16ms TTL=127

Reply from 172.31.1.254: bytes=32 time=25ms TTL=127

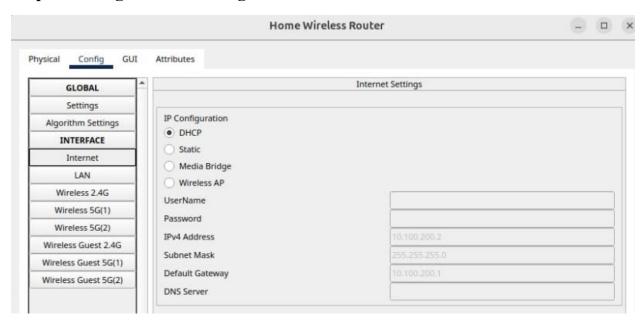
Ping statistics for 172.31.1.254:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 16ms, Maximum = 25ms, Average = 20ms

C:\>
```

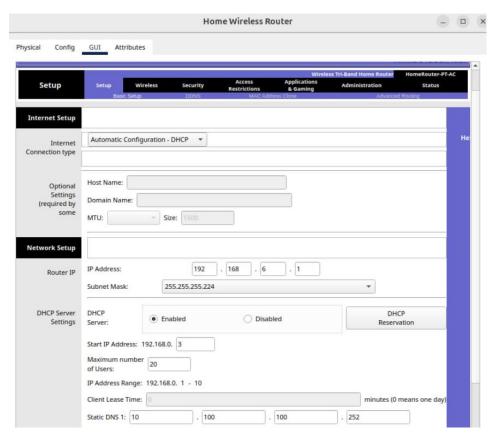
Hình 1.3.4. Ping test.

## Part 1: Configure a Home Wireless Router.

## **Step 1: Change DHCP settings.**

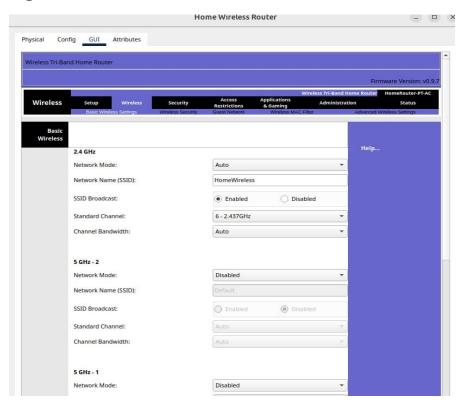


Hình 2.1.1.1. Cấu hình internet là DHCP



Hình 2.1.1.2. cấu hình GUI

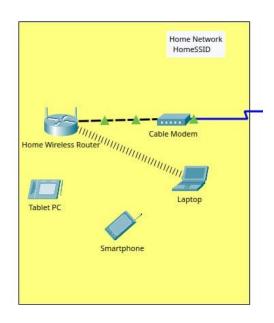
#### **Step 2: Configure the Wireless LAN.**



Hình 2.1.2.1. Wireless channel 6

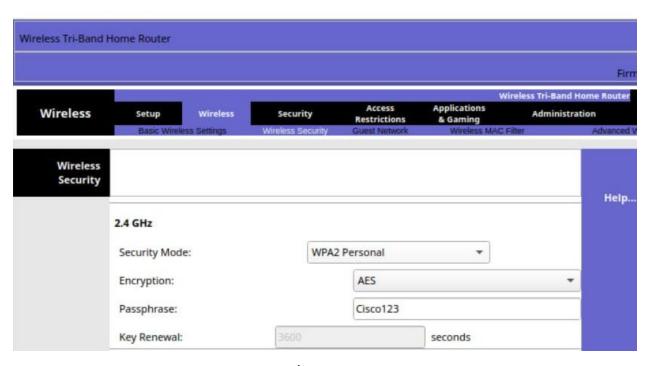


Hình 2.1.2.2. thấy được HomeWireless

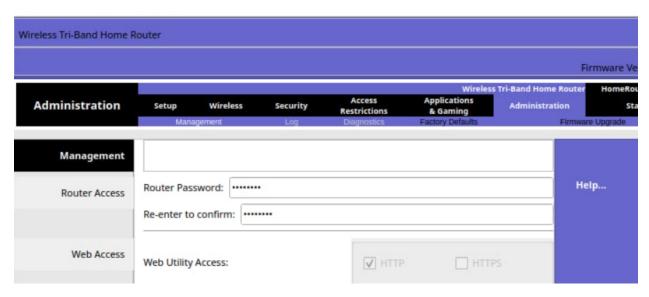


Hình 2.1.2.3. connect thành công

# **Step 3: Configure security.**

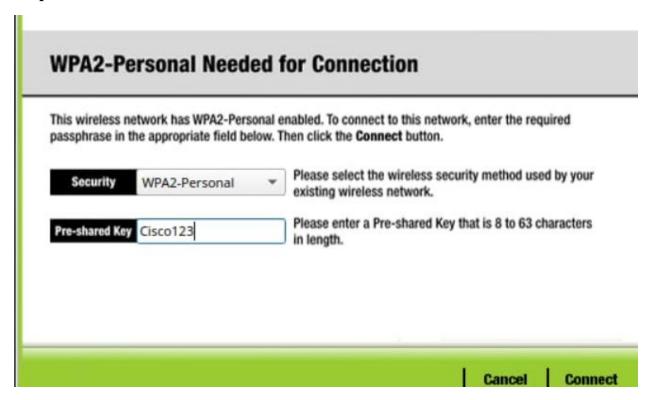


Hình 2.1.3.1. cấu hình bảo mật Wireless

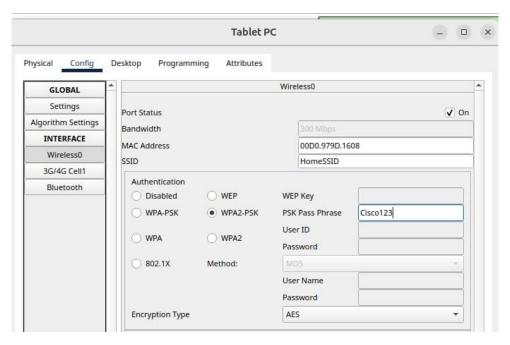


Hình 2.1.3.2. Thay đổi mật khẩu

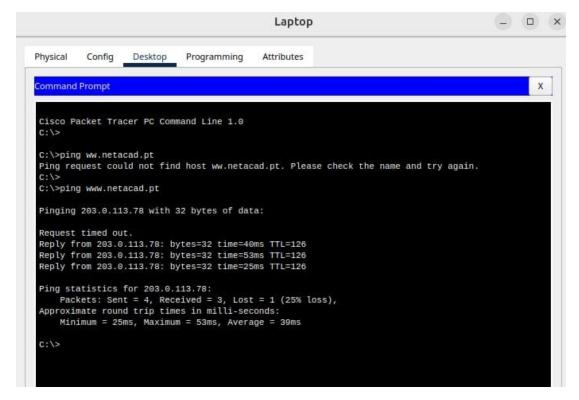
#### Step 4: Connect clients to the network.



Hình 2.1.4.1 PC Wireless kết nối với WLAN



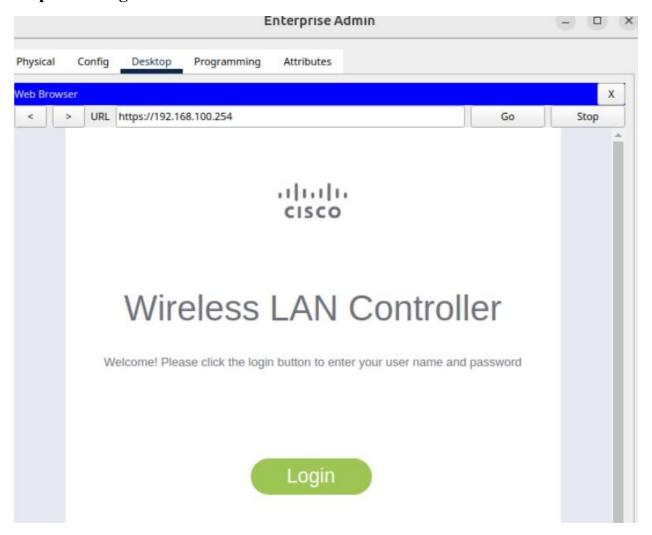
Hình 2.1.4.2. Cấu hình Interface wireless0



Hình 2.1.4.3. Ping test

## Part 2: Configure a WLC Controller Network

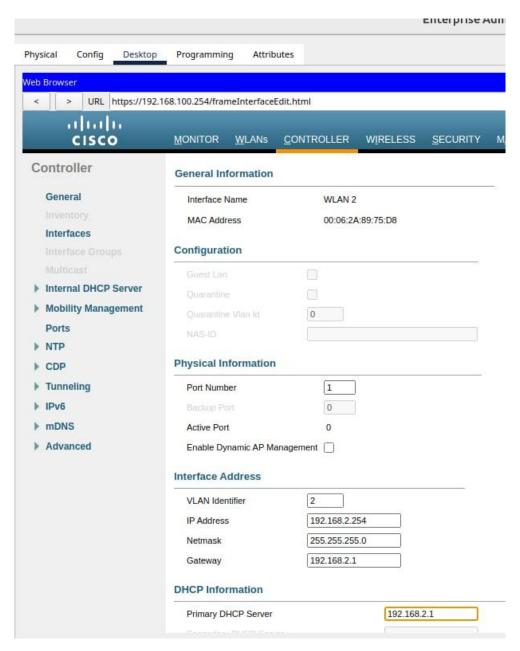
# **Step 1: Configure VLAN interfaces.**



Hình 2.2.1.1. truy cập web

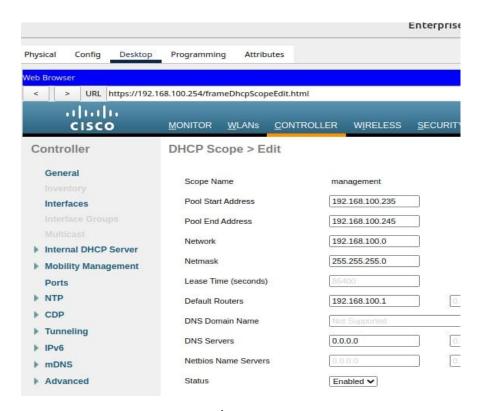


Hình 2.2.1.2. Login



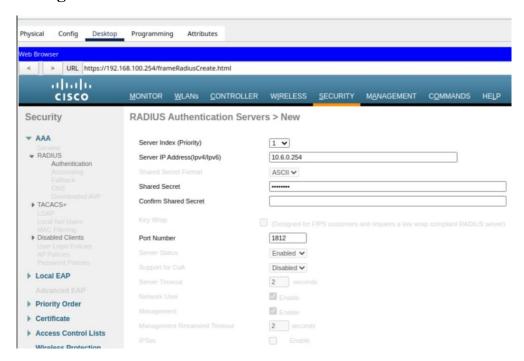
Hình 2.2.1.3. cấu hình controller

Step 2: Configure a DHCP scope for the wireless management network.

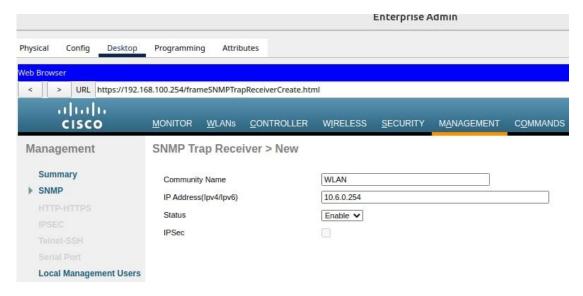


Hình 2.2.2.1. Cấu hình phạm vi DHCP

### Step 3: Configure the WLC with external server addresses.



Hình 2.2.3.1. Cấu hình Radius authentication server



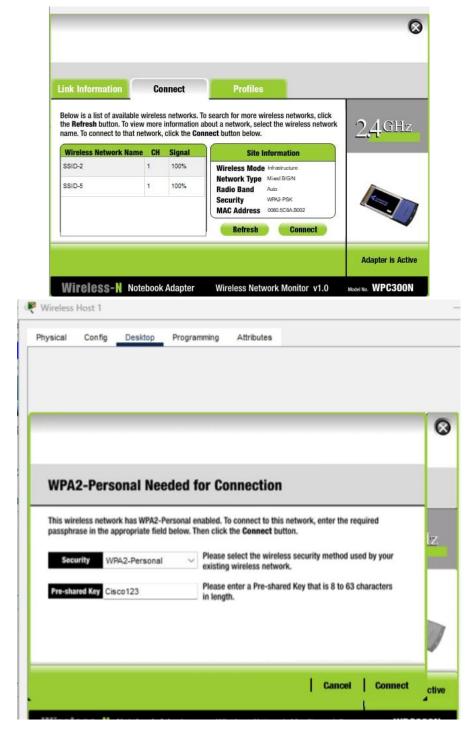
HÌnh 2.2.3.2. cấu hình WLC

Step 4: Create the WLANs.

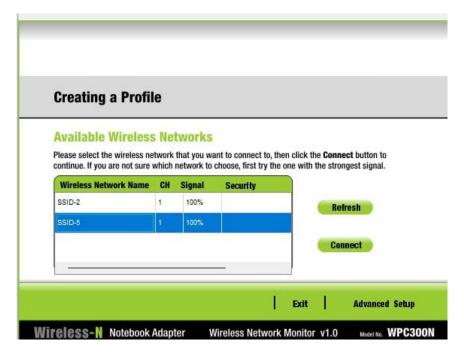


Hình 2.2.4.1. Tạo WLAN

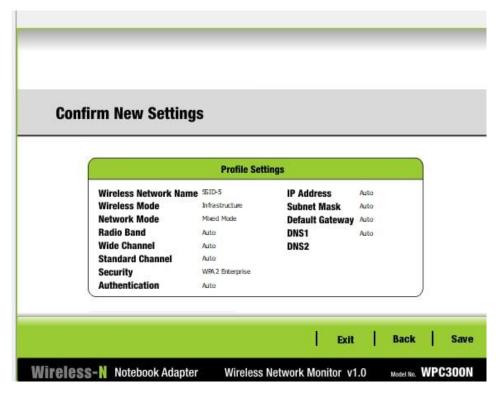
Step 5: Configure the hosts to connect to the WLANs.



Hình 2.2.5.1. Wireless Host 1 kết nổi với Wireless VLAN 2

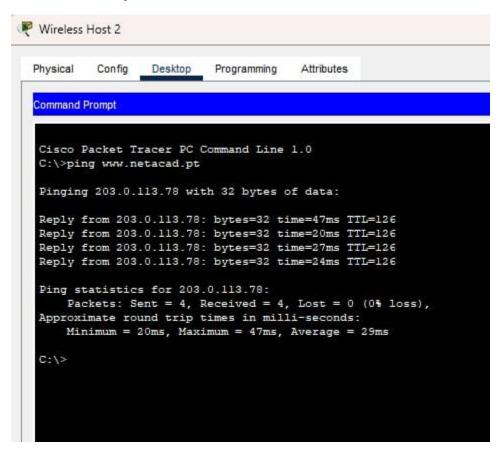


Hình 2.2.5.2. Advanced Setup



Hình 2.2.5.3. Confirm New Settings

## **Step 6: Test connectivity.**



Hình 2.2.6. Ping test.