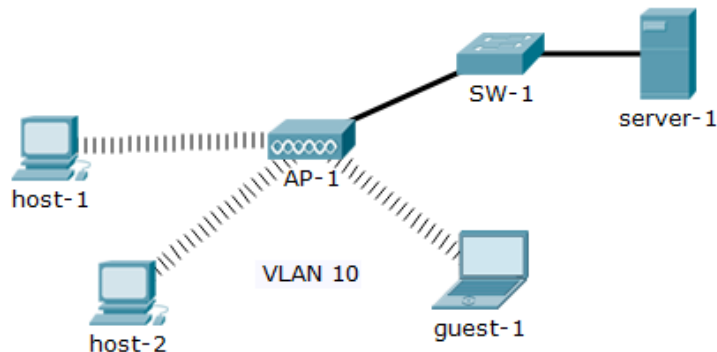# Autonomous Mode AP

Lab Summary

Configure wireless access point AP-1 with a single SSID for hosts in VLAN 10.

Figure 1 Lab Topology

Lab Configuration

Start Packet Tracer File: **Single AP**

Click on the *AP-1* icon and select the *Config* folder.

AP-1

Port 1

  Step 1. SSID: **CCNAWIFI**

  Step 2. Non-overlapping channel: (select 11) 1,6,**11**

  Step 3. Authentication: **WPA2-PSK**

  Step 4. Passcode: **cisconet**

  Step 5. Verify AES is selected

Port0

  Step 6. Uplink to Switch: **Auto/Auto**

Host-1

Wireless0 Interface

  Step 1. SSID: **CCNAWIFI**

  Step 2. Authentication: **WPA2-PSK**

Step 3. Passcode: **cisconet**

Step 4. Verify AES is selected

Host-2

Wireless0 Interface

Step 1. SSID: **CCNAWIFI**

Step 2. Authentication: **WPA2-PSK**

Step 3. Passcode: **cisconet**

Step 4. Verify AES is selected

Guest-1

Wireless0 Interface

Step 1. SSID: **CCNAWIFI**

Step 2. Authentication: **WPA2-PSK**

Step 3. Passcode: **cisconet**

Step 4. Verify AES is selected

Verify Lab

Ping server-1 to verify there is network connectivity.

host-1: **ping 192.168.1.4**

host-2: **ping 192.168.1.4**

guest-1: **ping 192.168.1.4**