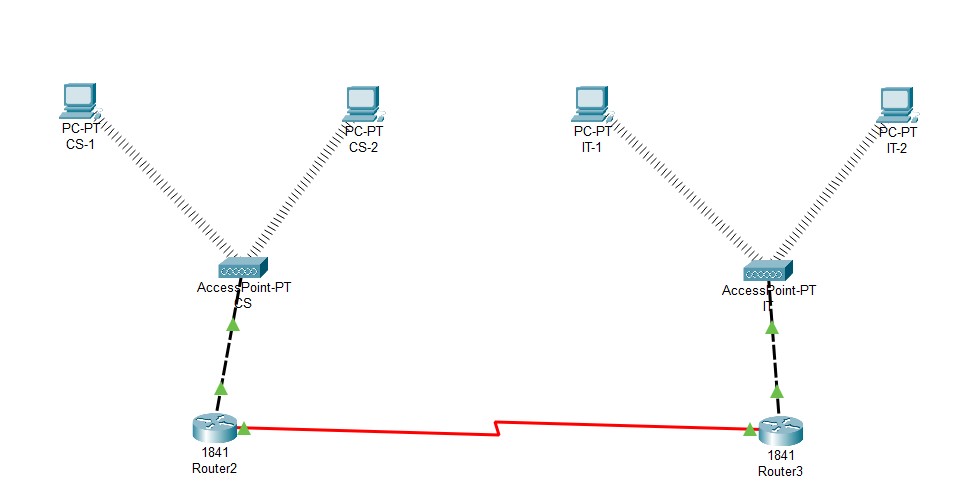
Configuring Basic AP Settings

**Components:** Router, Access points, PC’s

**Theory:** A wireless access point (WAP), or more generally just access point (AP), is a networking hardware device that allows other Wi-Fi devices to connect to a wired network. An access point is a device that creates a wireless local area network, or WLAN, usually in an office or large building.

**Cisco Packet tracer Setup:**

**Step 1:** Arrange all devices as following



**Step 2:** Configure Access Points (A)

In Access point CS

Port 0, set

Port Status: on, Bandwidth: 100 Mbps, Duplex: Half Duplex

Port 1, set

SSID: CS, select WPA2-PSK and password to ciscopacket1

In Access point IT

Port 0, set

Port Status: on, Bandwidth: 100 Mbps, Duplex: Half Duplex

Port 1, set

SSID: IT, select WPA2-PSK and password to ciscopacket2

**Step 3:** Configure andSetup IP Address for all devices (PC’s)

|  |  |  |  |
| --- | --- | --- | --- |
| Device | Interface | IPv4 address | Other |
| CS-1 | IP config | 192.168.1.3 | Default Gateway: 192.168.1.1 |
| CS-2 | IP config | 192.168.1.4 | Default Gateway: 192.168.1.1 |
| IT-1 | IP config | 171.16.10.2 | Default Gateway: 171.16.10.1 |
| IT-2 | IP config | 171.16.10.3 | Default Gateway: 171.16.10.1 |
| CS-1 and CS-2 | Wireless0 |  | SSID: CS  WPA2-PSK password:  ciscopacket1 |
| IT-1 and IT-2 | Wireless0 |  | SSID: IT  WPA2-PSK password:  ciscopacket2 |
| Router2 | F0/0 | 192.168.1.1 |  |
|  | S0/0/0 | 20.0.0.1 |  |
|  | RIP v2 | 20.0.0.0  192.168.1.0 |  |
| Router3 | F0/0 | 171.16.10.1 |  |
|  | S0/0/0 | 20.0.0.2 |  |
|  | RIP v2 | 20.0.0.0  171.16.10.0 |  |

Note: Change all port adapters with wireless adapter for all PC’s

**Output:**

