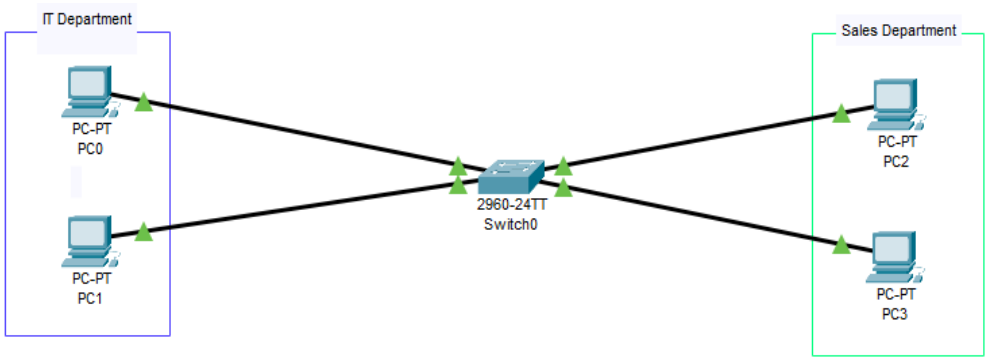
Simple VLAN in Cisco Packet Tracer

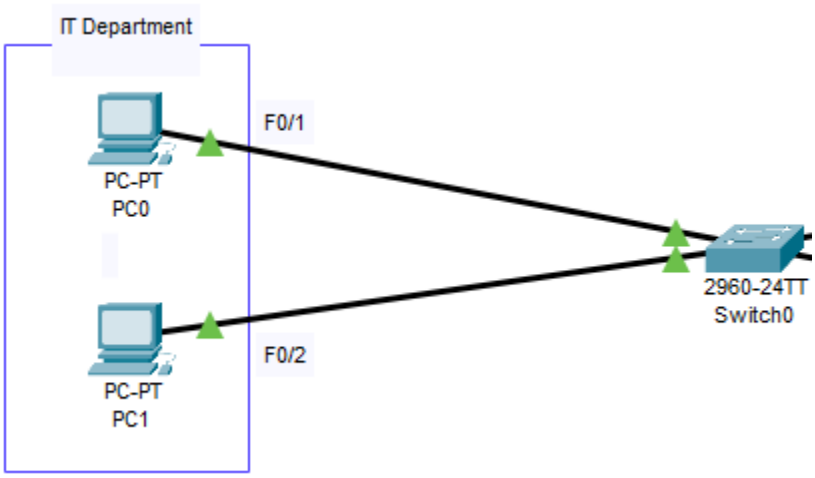


Here we have a simple Vlan connection between 4 PC's.

IT department has 2 PC'S (PC0 and PC1) . PC0 has an IP address of 192.168.1.1 and PC1 has the IP of 192.168.1.2.

PC2 and PC3 follows the conventional precedence of the IP I just mention, .3 and .4.

```
Port                 Link   VLAN   IP Address          MAC Address
FastEthernet0/1      Up     10     --                  0006.2A7B.8B01
FastEthernet0/2      Up     10     --                  0006.2A7B.8B02
```



Interfaces Fa0/1 and Fa0/2 are connected to a VLAN with an ID of 10 which in this case is called (ITDepartment)

```
Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
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Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

A ping from PC0 to PC1 returns successful as they are on the same VLan

```
C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Request timed out.
```

Yet a ping from PC3 from PC0 results in a time out as PC3 is on a different VLan (VLan 20)