Legacy Inter-Vlan Implementation
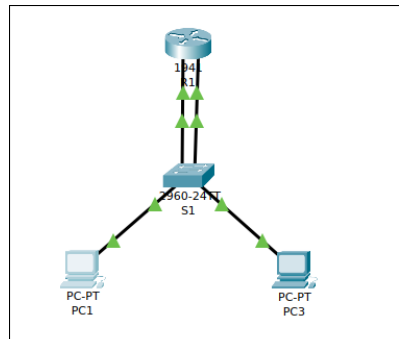## *CIT 167*
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Part 1: Configuring and verifying the network

I setup the Configuration according to the handout. I then, configured the IP address, default gateways, and subnet masks on each of the PCs. I Next ran the commands on R1, and then the commands on S1. I had to go back and run `int g0/1 no shut` on R1.

After that I was able to successfully ping from PC1 to PC3.


```
Pinging 172.17.30.23 with 32 bytes of data:

Request timed out.
Reply from 172.17.30.23: bytes=32 time<1ms TTL=127
Reply from 172.17.30.23: bytes=32 time=1ms TTL=127
Reply from 172.17.30.23: bytes=32 time<1ms TTL=127

Ping statistics for 172.17.30.23:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

(a) Pinging from PC1 to PC3

(b) Successful network architecture

Figure 1: Successful Lab layout