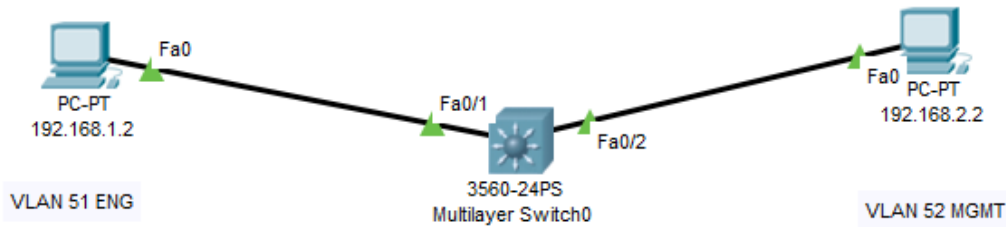


Switch Virtual Interface (SVI)



Create VLAN 51 (ENG) and VLAN 52 (MGMT) on the switch and assign ports as shown.

Configure a Layer 3 Switch design. The SVIs should have the first IP address on each subnet.

The computer in VLAN 51 should be able to ping the computer in VLAN 52 (and vice versa).

```
Switch>enable
Switch#configure terminal
Switch(config)#vlan 51
Switch(config-vlan)#name ENG
Switch(config-vlan)#exit
Switch(config)#vlan 52
Switch(config-vlan)#name MGMT
Switch(config-vlan)#exit
Switch(config)#interface fastethernet0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 51
Switch(config-if)#exit
Switch(config)#interface fastethernet0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 52
Switch(config-if)#exit
```

```
Switch(config)#do show ip interface brief
Switch(config)#ip routing
Switch(config)#interface vlan 51
Switch(config-if)#ip address 192.168.1.1
255.255.255.0
Switch(config-if)#exit
Switch(config)#interface vlan 52
Switch(config-if)#ip address 192.168.2.1
255.255.255.0
Switch(config-if)#do show ip interface brief
Switch(config-if)#exit
Switch(config)#do show ip route
```