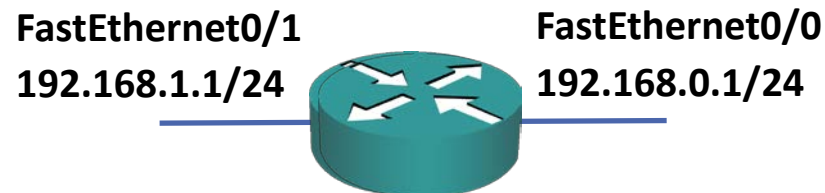


# Router IP Addresses

- A router provides connectivity between different IP subnets
- An IP address must be configured on the interfaces in each subnet

```
interface FastEthernet0/0
ip address 192.168.0.1 255.255.255.0
no shutdown
!
interface FastEthernet0/1
ip address 192.168.1.1 255.255.255.0
no shutdown
```



# Switch Management IP Address



- A Layer 2 Switch is not IP routing aware.
- It does however support a single IP address for management.
- The IP address and subnet mask is configured on the Switched Virtual Interface (SVI) for the default VLAN 1
- A default gateway also needs to be configured to allow connectivity to other subnets

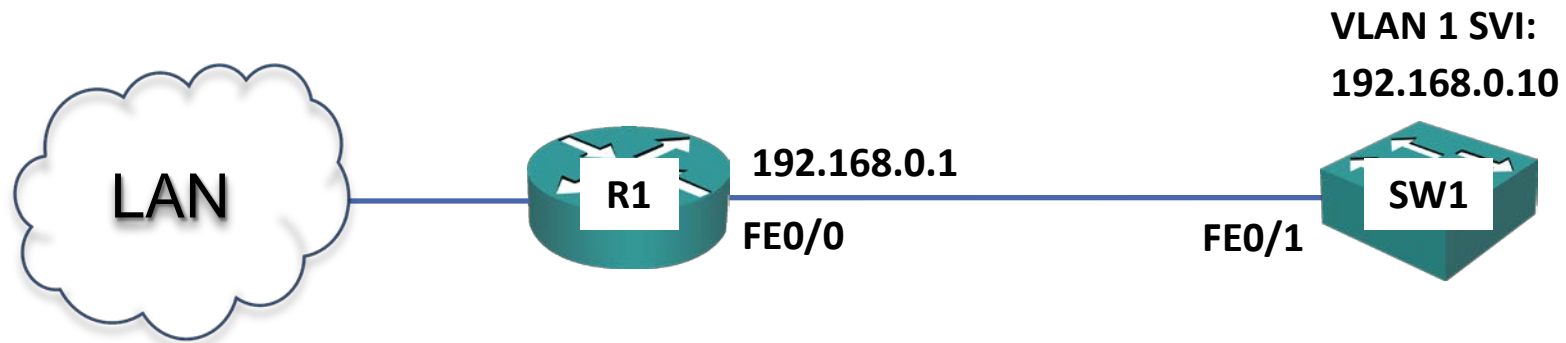
# Management IP Address



```
Switch(config)# interface vlan 1
Switch(config-if)# ip address 192.168.0.10 255.255.255.0
Switch(config-if)# no shutdown
Switch(config-if)# exit
Switch(config)# ip default-gateway 192.168.0.1
```

- Additional commands need to be entered to allow Telnet or SSH (Secure Shell) access, we'll cover these in the 'Securing Cisco Devices' section

# Lab Example



# Hostname



- A descriptive hostname makes it easier to identify the device.
- Eg. NY-F1-SW1

```
Switch(config)# hostname SW1  
SW1(config)#
```

# Interface Descriptions



- Interface descriptions can aid troubleshooting

```
SW1(config)# interface FastEthernet 0/1  
SW1(config-if)# description Link to R1
```