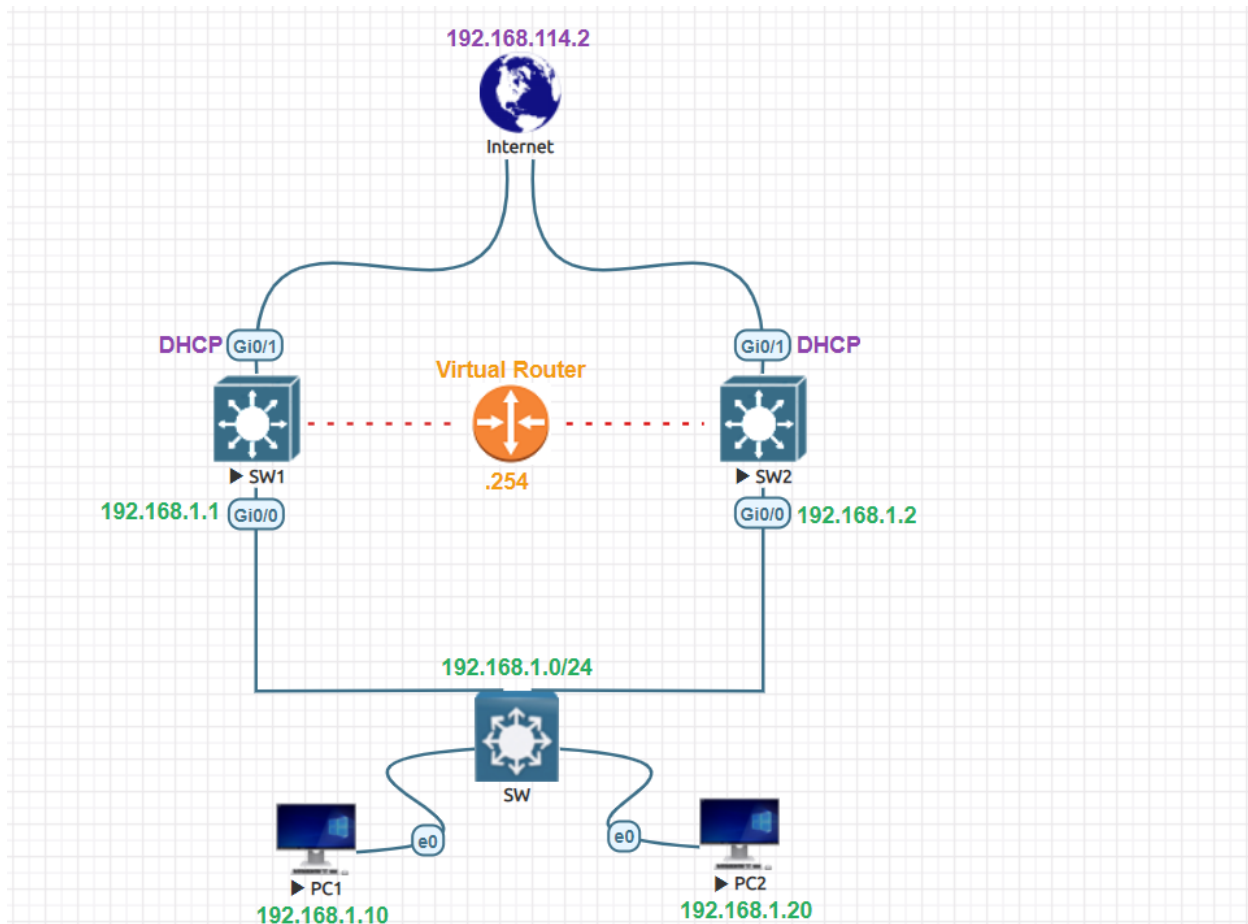


VRRP Lab:



Switch Images	vios_l2-adventerprisek9-m.ssa.high_iron_20190423
Cloud	Management(Cloud-0)
Clients	Linux-Slax-9.11.0 or VPCS
Switch GigabitEthernet0/1	Layer 3 Ports
Switch GigabitEthernet0/0	Layer 2 Ports
Internal Subnet	192.168.1.0/24
External Subnet	192.168.114.0/24
Virtual IP Address	192.168.1.254
SW1 IP Address	192.168.1.1
SW2 IP Address	192.168.1.2
External Gateway IP Address	192.168.114.2
PC1 IP Address	192.168.1.10
PC2 IP Address	192.168.1.20
PC1 and PC2 Gateway	192.168.1.254

SW1 Configuration:

```
Switch(config)#hostname SW1
SW1(config)#interface GigabitEthernet0/1
SW1(config-if)#no switchport
SW1(config-if)#ip address dhcp
SW1(config-if)#no shutdown
SW1(config-if)#exit
SW1(config)#interface Vlan1
SW1(config-if)#ip address 192.168.1.1 255.255.255.0
SW1(config-if)#no shutdown
```

SW2 Configuration:

```
Switch(config)#hostname SW2
SW2(config)#interface GigabitEthernet0/1
SW2(config-if)#no switchport
SW2(config-if)#ip address dhcp
SW2(config-if)#no shutdown
SW2(config-if)#exit
SW2(config)#interface Vlan1
SW2(config-if)#ip address 192.168.1.2 255.255.255.0
SW2(config-if)#no shutdown
```

SW1 VRRP Configuration

```
SW1(config)#interface Vlan 1
SW1(config-if)#vrrp 1 ip 192.168.1.254
SW1(config-if)#vrrp 1 authentication text abc
SW1(config-if)#vrrp 1 priority 150
SW1(config-if)#vrrp 1 preempt
SW1(config-if)#vrrp 1 preempt delay minimum 60
SW1(config-if)#vrrp 1 track 1 decrement 60
SW1(config-if)#exit
SW1(config)#track 1 interface gigabitEthernet 0/1 line-protocol
SW1#show vrrp
SW1#show vrrp brief
SW1#debug vrrp events
SW1#debug vrrp packets
SW1#show vrrp | include Priority
SW1#show vrrp all
SW1#show vrrp interface vlan 1
```

SW2 VRRP Configuration

```
SW2(config)#interface Vlan 1
SW2(config-if)#vrrp 1 ip 192.168.1.254
SW2(config-if)#vrrp 1 authentication text abc
SW2(config-if)#vrrp 1 priority 100
SW2(config-if)#vrrp 1 preempt
SW2(config-if)#vrrp 1 preempt delay minimum 60
```

```
SW2#show vrrp
```

```
SW2#show vrrp brief
```

```
SW2#debug vrrp events
```

```
SW2#debug vrrp packets
```

```
SW2#show vrrp | include Priority
```

```
SW2#show vrrp all
```

```
SW2#show vrrp interface vlan 1
```

```
SW1#show vrrp
Vlan1 - Group 1
  State is Master
  Virtual IP address is 192.168.1.254
  Virtual MAC address is 0000.5e00.0101
  Advertisement interval is 1.000 sec
  Preemption enabled, delay min 60 secs
  Priority is 150
  Track object 1 state Up decrement 60
  Authentication is enabled
  Master Router is 192.168.1.1 (local), priority is 150
  Master Advertisement interval is 1.000 sec
  Master Down interval is 3.414 sec
```

```
SW2#show vrrp
Vlan1 - Group 1
  State is Backup
  Virtual IP address is 192.168.1.254
  Virtual MAC address is 0000.5e00.0101
  Advertisement interval is 1.000 sec
  Preemption enabled, delay min 60 secs
  Priority is 100
  Authentication is enabled
  Master Router is 192.168.1.1, priority is 150
  Master Advertisement interval is 1.000 sec
  Master Down interval is 3.609 sec (expires in 3.196 sec)
```

```
SW2#show vrrp brief
Interface      Grp Pri Time  Own Pre State  Master addr  Group addr
Vl1           1  100 3609      Y Backup  192.168.1.1  192.168.1.254
SW2#
```