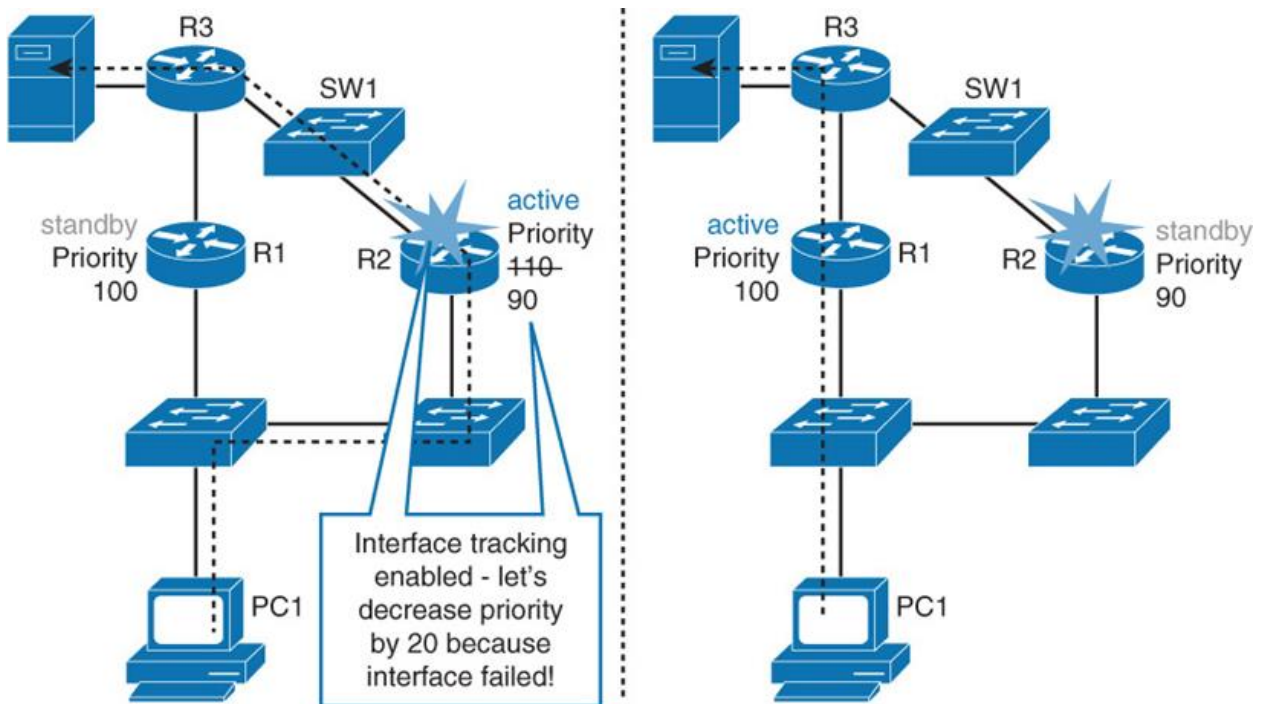
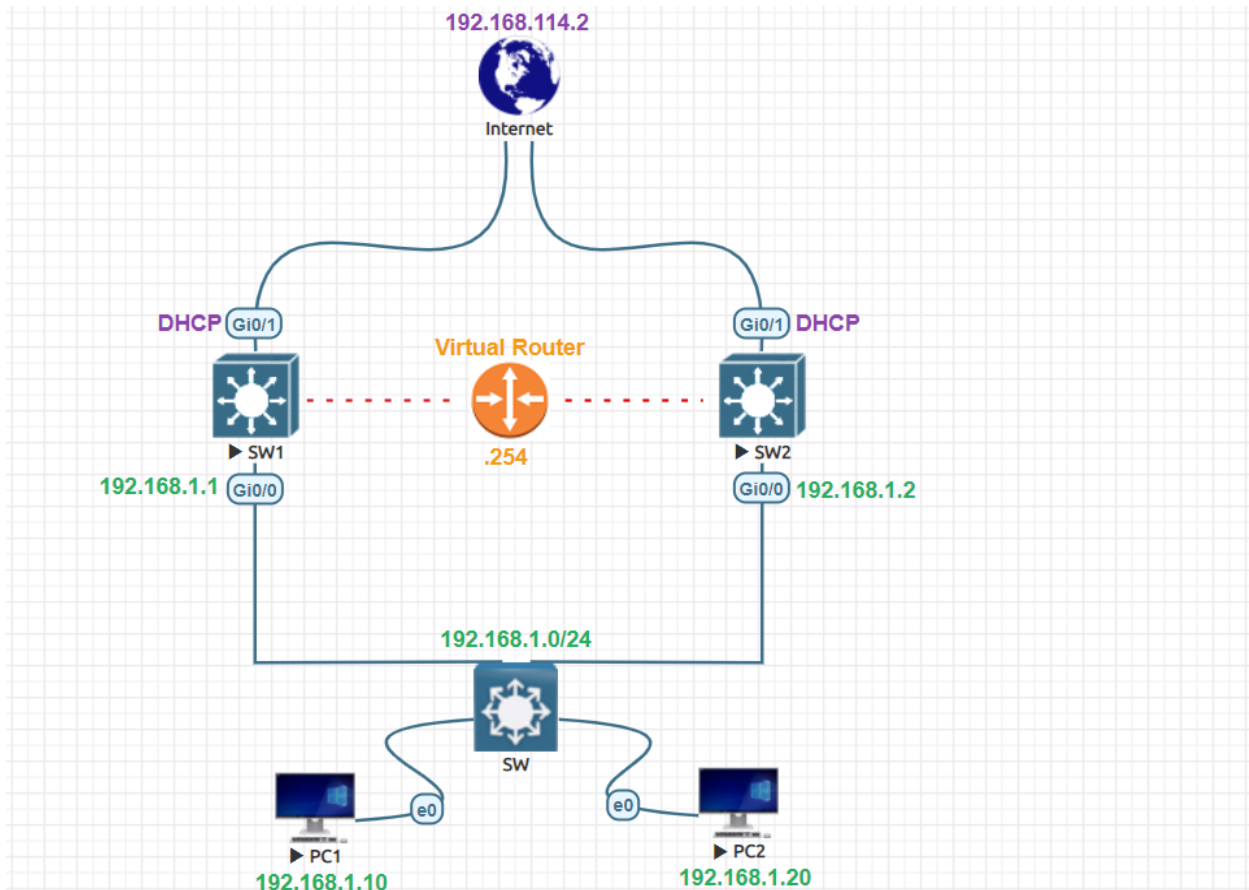


HSRP Interface Tracking Lab:



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 HSRP Configuration

```
SW1(config)#interface Vlan 1
SW1(config-if)#standby 1 ip 192.168.1.254
SW1(config-if)#standby 1 name Group1
SW1(config-if)#standby 1 authentication text abc
SW1(config-if)#standby 1 authentication md5 key-string abc
SW1(config-if)#standby 1 timers 2 3
SW1(config-if)#standby 1 timers msec 100 msec 300
SW1(config-if)#standby 1 priority 150
SW1(config-if)#standby 1 preempt
SW1(config-if)#standby 1 preempt delay minimum 60
SW1(config-if)#standby 1 track 1 decrement 60
SW1(config-if)#exit
SW1(config)#track 1 interface gigabitEthernet 0/1 line-protocol
SW1#show standby
SW1#show standby brief
SW1#debug standby packets
SW1#debug standby events
SW1#show standby | include Priority
```

SW2 HSRP Configuration

```
SW2(config)#interface Vlan 1
SW2(config-if)#standby 1 ip 192.168.1.254
SW2(config-if)#standby 1 name Group1
SW2(config-if)#standby 1 authentication text abc
SW2(config-if)#standby 1 authentication md5 key-string abc
SW2(config-if)#standby 1 timers 2 3
SW2(config-if)#standby 1 timers msec 100 msec 300
SW2(config-if)#standby 1 preempt
SW2(config-if)#standby 1 preempt delay minimum 60
```

```
SW2#show standby
```

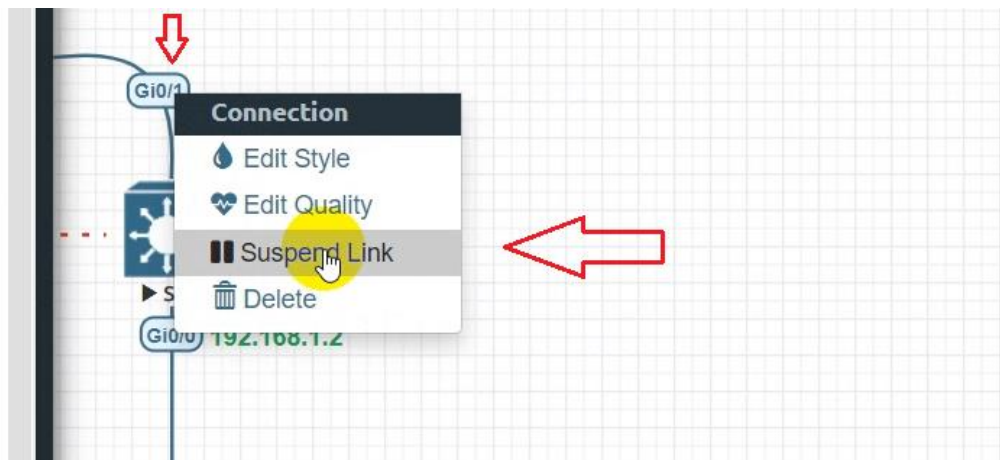
```
SW2#show standby brief
```

```
SW2#show standby neighbors
```

```
SW2#debug standby packets
```

```
SW2#debug standby events
```

```
SW2#show standby
*Jul 30 17:16:47.685: %SYS-5-CONFIG_I: Configured from console by console
Vlan1 - Group 10
  State is Active
    7 state changes, last state change 00:14:53
  Virtual IP address is 192.168.1.254
  Active virtual MAC address is 0000.0c07.ac0a (MAC In Use)
  Local virtual MAC address is 0000.0c07.ac0a (v1 default)
  Hello time 3 sec, hold time 10 sec
  Next hello sent in 0.976 secs
  Authentication MD5, key-string
  Preemption enabled
  Active router is local
  Standby router is 192.168.1.1, priority 100 (expires in 10.224 sec)
  Priority 150 (configured 150)
  Track object 1 state Up decrement 60
  Group name is "Group1" (cfgd)
```



```
SW1#show standby
Vlan1 - Group 10
  State is Active
    21 state changes, last state change 00:00:15
  Virtual IP address is 192.168.1.254
  Active virtual MAC address is 0000.0c07.ac0a (MAC In Use)
  Local virtual MAC address is 0000.0c07.ac0a (v1 default)
  Hello time 3 sec, hold time 10 sec
  Next hello sent in 1.328 secs
  Authentication MD5, key-string
  Preemption enabled
  Active router is local
  Standby router is 192.168.1.2, priority 90 (expires in 10.560 sec)
  Priority 100 (default 100)
  Group name is "hsrp-Vl1-10" (default)
```

```
SW2#show standby
Vlan1 - Group 10
  State is Standby
    9 state changes, last state change 00:00:18
  Virtual IP address is 192.168.1.254
  Active virtual MAC address is 0000.0c07.ac0a (MAC Not In Use)
  Local virtual MAC address is 0000.0c07.ac0a (v1 default)
  Hello time 3 sec, hold time 10 sec
  Next hello sent in 1.456 secs
  Authentication MD5, key-string
  Preemption enabled
  Active router is 192.168.1.1, priority 100 (expires in 9.360 sec)
  Standby router is local
  Priority 90 (configured 150)
  Track object 1 state Down decrement 60
  Group name is "Group1" (cfgd)
```