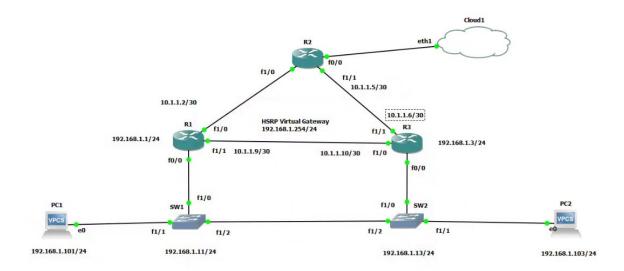
Topology



Trace and ping of PC1

```
PC1> trace 8.8.8.8

trace to 8.8.8.8, 8 hops max, press Ctrl+C to stop

1 192.168.1.1 13.926 ms 12.954 ms 9.771 ms

2 10.1.1.2 41.923 ms 54.987 ms 44.201 ms

3 10.164.0.1 40.807 ms 45.381 ms 43.368 ms

4 207.162.58.2 62.276 ms 51.266 ms 60.021 ms

5 132.202.51.245 29.529 ms 59.131 ms 40.974 ms

6 132.202.100.33 42.072 ms 40.393 ms 47.589 ms

7 * * *

8 192.77.55.209 40.591 ms 42.512 ms 42.537 ms

PC1> ping 8.8.8.8

84 bytes from 8.8.8.8 icmp_seq=1 ttl=116 time=61.643 ms

84 bytes from 8.8.8.8 icmp_seq=2 ttl=116 time=66.634 ms

84 bytes from 8.8.8.8 icmp_seq=3 ttl=116 time=75.368 ms

^C

PC1>
```

Trace and ping of PC2

```
PC2> trace 8.8.8.8

trace to 8.8.8.8, 8 hops max, press Ctrl+C to stop

1 192.168.1.1 9.583 ms 39.029 ms 14.701 ms

2 10.1.1.2 44.309 ms 32.062 ms 30.695 ms

3 10.164.0.1 43.824 ms 50.536 ms 44.791 ms

4 207.162.58.2 59.880 ms 52.165 ms 52.595 ms

5 132.202.51.245 40.270 ms 44.750 ms 43.036 ms

6 132.202.100.33 47.564 ms 39.576 ms 43.217 ms

7 * * *

8 192.77.55.209 37.544 ms 40.212 ms 41.276 ms

PC2> ping 8.8.8.8

84 bytes from 8.8.8.8 icmp_seq=1 ttl=116 time=47.100 ms

84 bytes from 8.8.8.8 icmp_seq=2 ttl=116 time=44.155 ms

84 bytes from 8.8.8.8 icmp_seq=3 ttl=116 time=92.120 ms

CC

PC2>
```

Standby R1

```
RI#show standby
FastEthernet0/0 - Group 1 (version 2)
State is Active
2 state changes, last state change 00:21:15
Virtual IP address is 192.168.1.254
Active virtual MAC address is 0000.0c9f.f001 (MAC In Use)
Local virtual MAC address is 0000.0c9f.f001 (v2 default)
Hello time 3 sec, hold time 10 sec
Next hello sent in 0.656 secs
Preemption enabled
Active router is local
Standby router is 192.168.1.3, priority 100 (expires in 8.960 sec)
Priority 150 (configured 150)
Group name is "hsrp-Fa0/0-1" (default)
RI#
```

Standby R3

```
R3#show standby
FastEthernet0/0 - Group 1 (version 2)
State is Standby
1 state change, last state change 00:19:10
Virtual IP address is 192.168.1.254
Active virtual NAC address is 0000.0c9f.f001 (MAC Not In Use)
Local virtual MAC address is 0000.0c9f.f001 (v2 default)
Hello time 3 sec, hold time 10 sec
Next hello sent in 0.336 secs
Preemption enabled
Active router is 192.168.1.1, priority 150 (expires in 10.768 sec)
MAC address is ca01.2813.0000
Standby router is local
Priority 100 (default 100)
Group name is "hsrp-Fa0/0-1" (default)
R3#
```

IP route R2