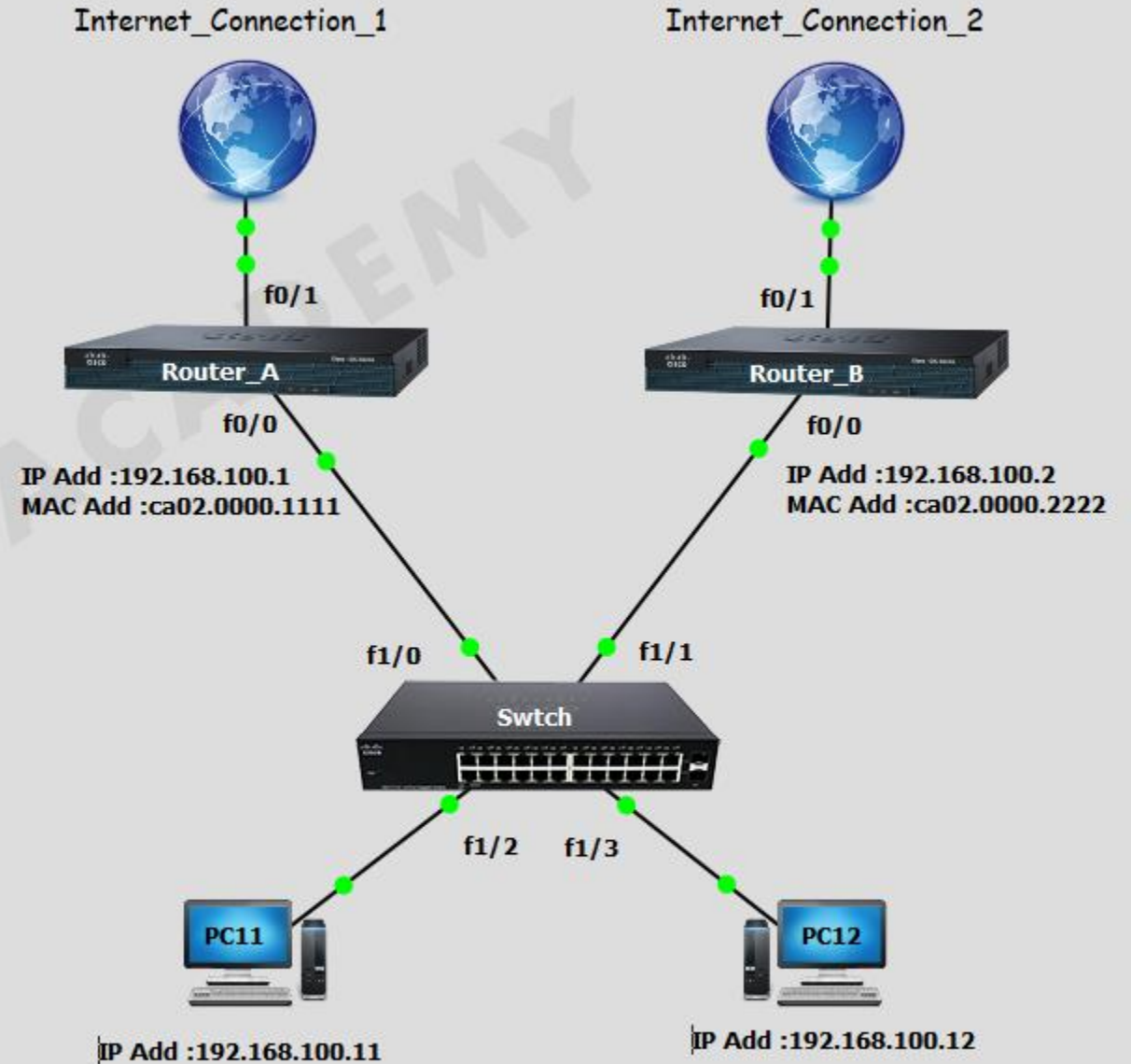


First Hop Redundancy Protocol (FHRP)

- ☐ Hot Standby Router Protocol (HSRP).
- ☐ Virtual Router Redundancy Protocol (VRRP).
- ☐ Gateway Load Balancing Protocol (GLBP).



First Hop Redundancy Protocol (FHRP)

Source	Destination	Protocol
192.168.100.11	8.8.8.8	ICMP

< []

> Frame 13: 98 bytes on wire (784 bits), 98 bytes captured (784 bi

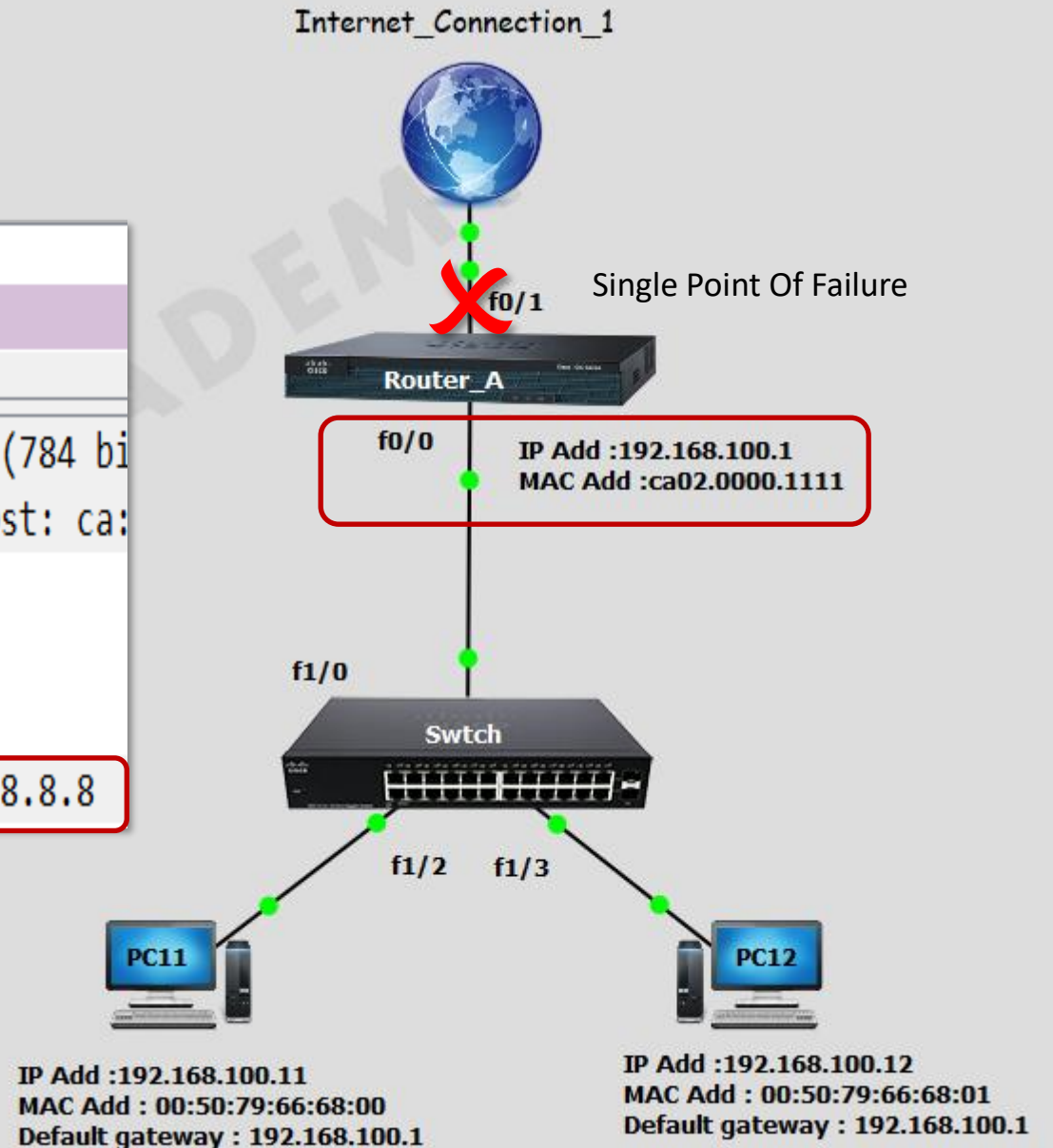
▼ Ethernet II, Src: Private_66:68:00 (00:50:79:66:68:00), Dst: ca:

 > Destination: ca:02:00:00:11:11 (ca:02:00:00:11:11)

 > Source: Private_66:68:00 (00:50:79:66:68:00)

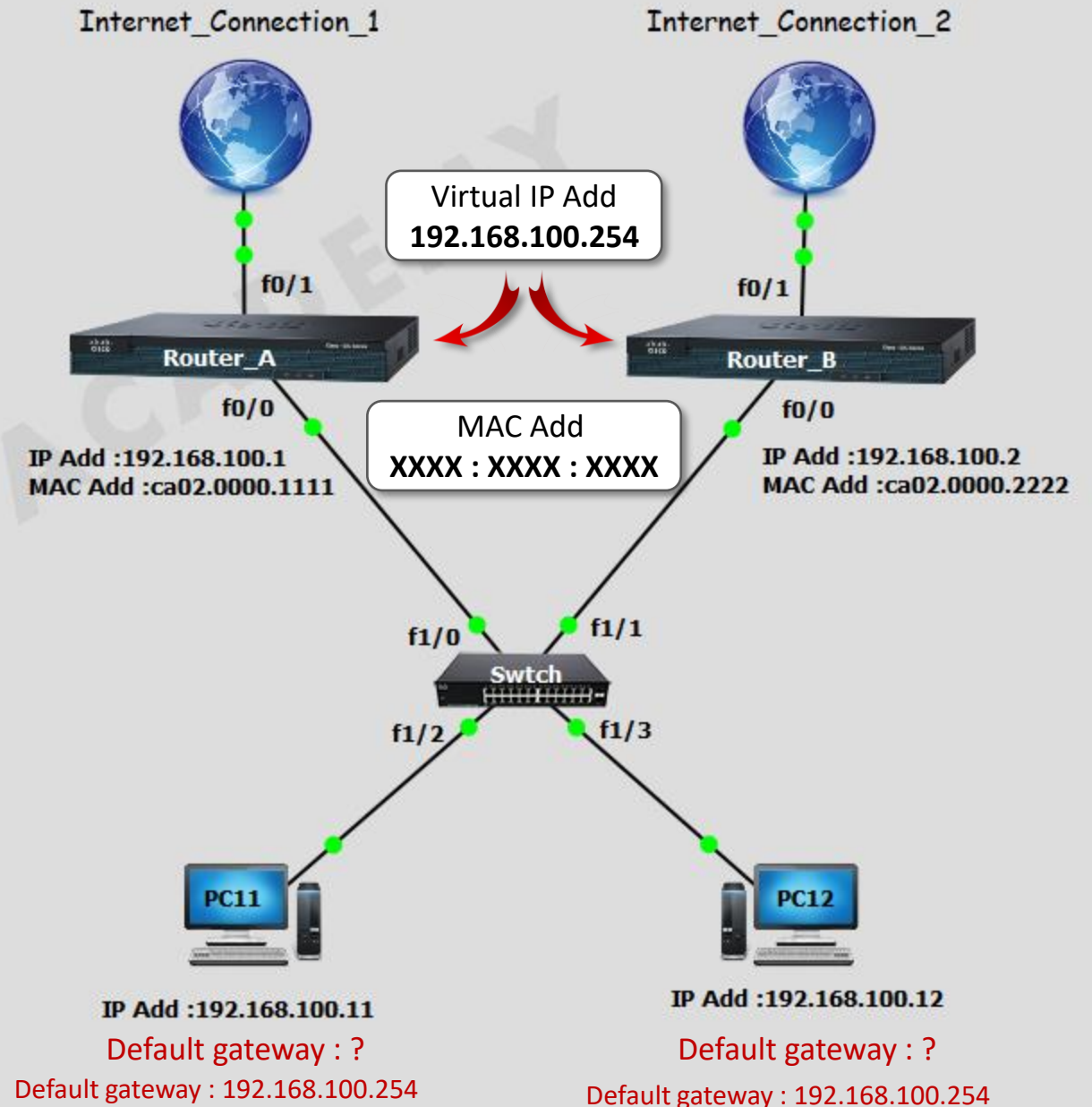
 Type: IPv4 (0x0800)

▼ Internet Protocol Version 4, Src: 192.168.100.11, Dst: 8.8.8.8



First Hop Redundancy Protocol (FHRP)

- ☐ Hot Standby Router Protocol (HSRP).
- ☐ Virtual Router Redundancy Protocol (VRRP).
- ☐ Gateway Load Balancing Protocol (GLBP).



First Hop Redundancy Protocol (FHRP)

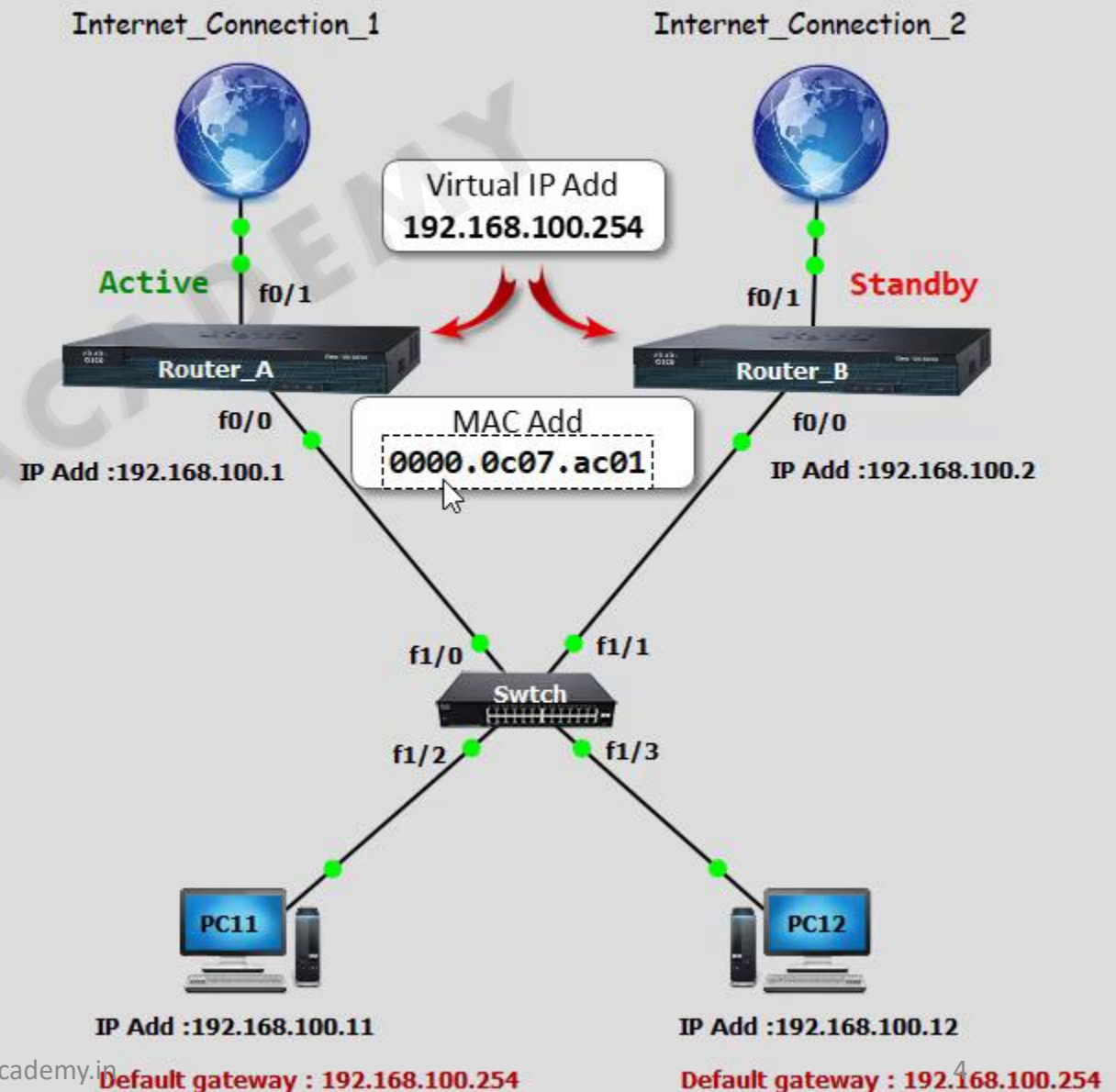
❑ Hot Standby Router Protocol (HSRP).

Router_A

```
-----
conf t
int fa0/0
standby 1 ip 192.168.100.254
standby 1 priority 101
standby 1 preempt
standby 1 track fa0/1
end
```

Router_B

```
-----
conf t
int fa0/0
standby 1 ip 192.168.100.254
standby 1 preempt
end
```

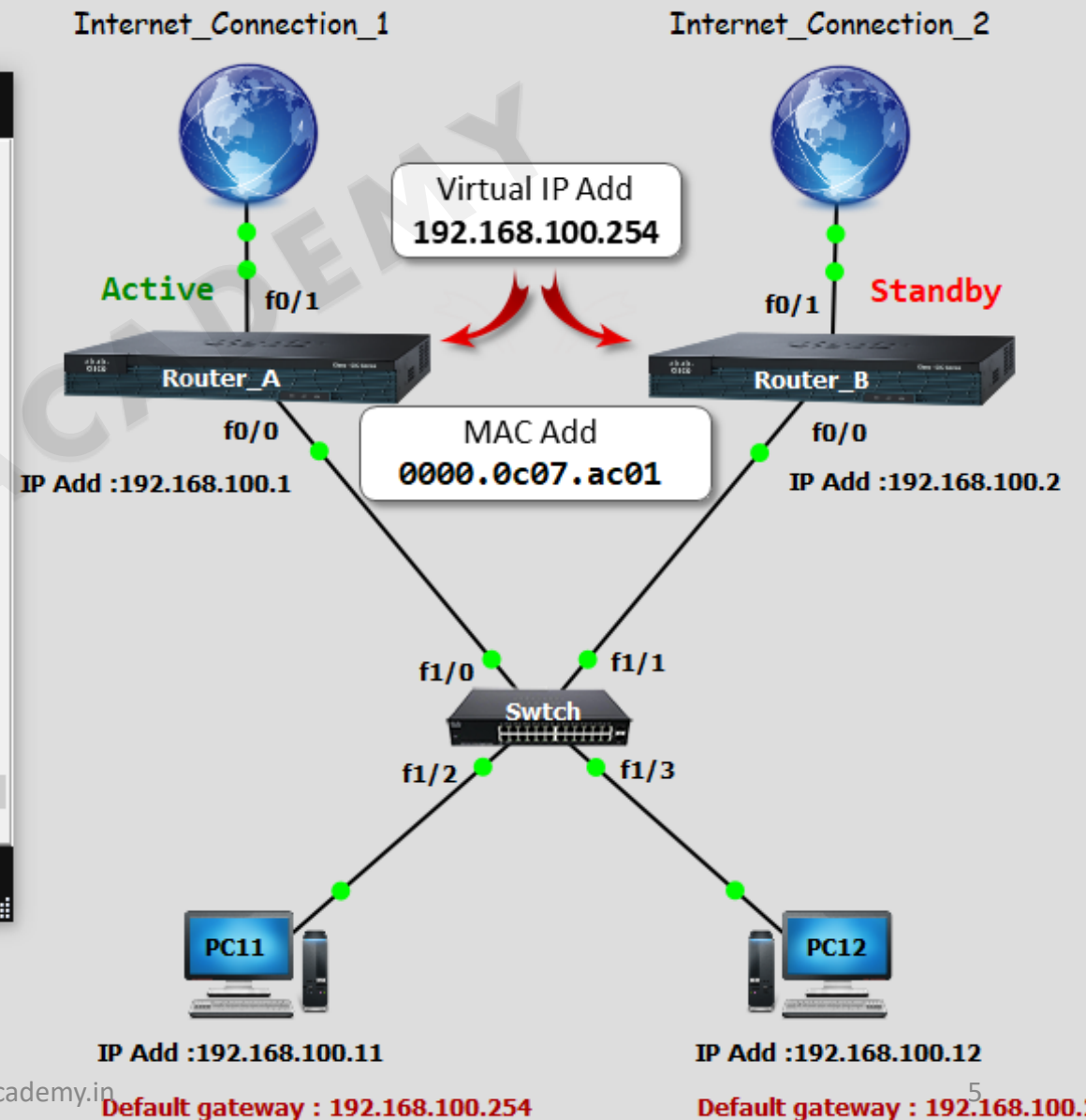


First Hop Redundancy Protocol (FHRP)

☐ Hot Standby Router Protocol (HSRP).

```

Router_A#
Router_A#
Router_A#
Router_A#
Router_A#
Router_A#show standby
FastEthernet0/0 - Group 1
  State is Active
    5 state changes, last state change 00:01:21
  Virtual IP address is 192.168.100.254
  Active virtual MAC address is 0000.0c07.ac01
    Local virtual MAC address is 0000.0c07.ac01 (v1 default)
  Hello time 3 sec, hold time 10 sec
    Next hello sent in 1.968 secs
  Preemption enabled
  Active router is local
  Standby router is 192.168.100.2, priority 100 (expires in 10.496 sec)
  Priority 101 (configured 101)
    Track interface FastEthernet0/1 state Up decrement 10
  Group name is "hsrp-Fa0/0-1" (default)
Router_A#
Router_A#
Router_A#
  
```



Virtual Router Redundancy Protocol (VRRP)

❑ Hot Standby Router Protocol (HSRP).

Router_A

```
-----
conf t
int fa0/0
standby 1 ip 192.168.100.254
standby 1 priority 101
standby 1 preempt
standby 1 track fa0/1
end
```

Router_B

```
-----
conf t
int fa0/0
standby 1 ip 192.168.100.254
standby 1 preempt
end
```

❑ Virtual Router Redundancy Protocol (VRRP).

Router_A

```
-----
conf t
int fa0/0
vrrp 1 ip 192.168.100.254
vrrp 1 priority 101
vrrp 1 preempt
vrrp 1 track 2
exit
track 2 interface fa0/1 line-protocol
end
```

Router_B

```
-----
conf t
int fa0/0
vrrp 1 ip 192.168.100.254
vrrp 1 preempt
end
```

