Active Gateway:

```
ı            cphaprob state

Cluster Mode:    Sync only (OPSEC) with IGMP Membership

ID           Unique Address   Firewall State (*)

1 (local)   172.30.251.122   Active
2           172.30.251.123   Active

(*) FW-1 monitors only the sync operation and the security policy
    Use OPSEC's monitoring tool to get the cluster status
        ˋ cphaprob -a if

CCP mode: Manual (Multicast)
eth1              sync(secured), multicast
eth1-01           non sync(non secured)
eth1-01           non sync(non secured)
eth1-02           non sync(non secured)

S - sync, LM - link monitor, HA/LS - bond type

Virtual cluster interfaces: 6

eth1-01.1491     163.166.149.36
eth1-01.1098     163.166.98.121
eth1-01.2534     163.166.5.170
eth1-02.4        163.166.150.123
eth1-01.2160     161.2.160.121
eth1-01.1494     163.166.149.129
```

```
            cphaprob list

There are no pnotes in problem state


        cphaprob syncstat

Delta Sync Statistics

Sync status: OK

Drops:
Lost updates................................... 0
Lost bulk update events........................ 0
Oversized updates not sent..................... 0

Sync at risk:
Sent reject notifications...................... 0
Received reject notifications.................. 0

Sent messages:
Total generated sync messages................ 26288192
Sent retransmission requests................... 0
Sent retransmission updates.................... 19
Peak fragments per update...................... 1

Received messages:
Total received updates......................... 1623347
Received retransmission requests............... 19

Sync Interface:
Name........................................... eth1
Link speed..................................... 1000Mb/s
Rate........................................... 34660 [Bps]
Peak rate...................................... 35520 [Bps]
Link usage..................................... 0%
Total.......................................... 138297[MB]

Queue sizes (num of updates):
Sending queue size............................. 512
Receiving queue size........................... 256
Fragments queue size........................... 50

Timers:
Delta Sync interval (ms)....................... 100

Reset on Wed Mar 15 00:18:16 2023 (triggered by fullsync).
```

```
r          cphaprob roles

ID          Role

1 (local)  Master
2          Non-Master

r          cphaprob tablestat

----    Unique IP's Table   ----

Member              Interface          IP-Address
---------------------------------------------

(Local)
0                   2                  172.30.251.122
0                   11                 163.166.149.35
0                   12                 163.166.98.65
0                   13                 163.166.1.72
0                   14                 163.166.5.171
0                   15                 163.166.150.178
0                   16                 163.166.128.72
0                   17                 163.166.0.72
0                   18                 161.2.160.72
0                   19                 163.166.149.130

1                   2                  172.30.251.123
1                   11                 163.166.149.36
1                   12                 163.166.98.66
1                   13                 163.166.1.73
1                   14                 163.166.5.172
1                   15                 163.166.150.179
1                   16                 163.166.128.73
1                   17                 163.166.0.73
1                   18                 161.2.160.73
1                   19                 163.166.149.131

---------------------------------------------
```

```
r       show vrrp summary

VRRP State
    VRRP Router State: Up
    Flags: On,MonitorFirewall
    Coldstart delay (30 seconds): completed
    Interface enabled: 6
    Virtual routers configured: 6
        In Init state 0
        In Backup state 0
        In Master state 6
```

Route for VRF 28 is showing in connected routes

```
r       show route destination 163.166.149.36
Codes: C - Connected, S - Static, R - RIP, B - BGP (D - Default),
       O - OSPF IntraArea (IA - InterArea, E - External, N - NSSA),
       A - Aggregate, K - Kernel Remnant, H - Hidden, P - Suppressed,
       U - Unreachable, i - Inactive

C           163.166.149.32/27   is directly connected, eth1-01.1491
                                       PCI DMZ Live transit to F5 and VRF 28
      > show route direct
Codes: C - Connected, S - Static, R - RIP, B - BGP (D - Default),
       O - OSPF IntraArea (IA - InterArea, E - External, N - NSSA),
       A - Aggregate, K - Kernel Remnant, H - Hidden, P - Suppressed,
       U - Unreachable, i - Inactive

C           127.0.0.0/8          is directly connected, lo
C           161.2.160.0/24       is directly connected, eth1-01.2160
C           163.166.0.0/24       is directly connected, eth1-01.1660
                                       F5 VIP VRF 28 PCI live
C           163.166.1.0/24       is directly connected, eth1-01.1661
                                       F5 VIP VRF 28 PCI live
C           163.166.5.160/27     is directly connected, eth1-01.2534
                                       Interim Inter FW interface
C           163.166.98.0/24      is directly connected, eth1-01.1098
                                       inter firewall vlan
C           163.166.128.0/24     is directly connected, eth1-01.1668
                                       F5 VIP VRF 29
C           163.166.149.32/27    is directly connected, eth1-01.1491
                                       PCI DMZ Live transit to F5 and VRF 28
C           163.166.149.128/27   is directly connected, eth1-01.1494
                                       transit to F5 PCIDMZ Test VRF 29
C           163.166.150.0/24     is directly connected, eth1-02.4
                                       Internet dirty VLAN 4 to Internet
C           172.30.251.112/28    is directly connected, eth1
                                       Sync interface
      >
```

```
r   ┌┐┐ show vrrp interface eth1-01.1491

VRRP Interface
Interface eth1-01.1491
   Number of virtual routers: 1
   Flags:
   Authentication: SimpleTextPassword
   VRID 35
        State:                    Master          Time since transition:    4123148
        BasePriority:             227             Effective Priority:       227
        Master transitions:       1               Flags:
        Advertisement interval:   2               Router Dead Interval:     6
        VMAC Mode:                VRRP            VMAC:                     00:00:5e:00:01:23
      Primary address: 163.166.149.35
      Number of Addresses: 1
        163.166.149.33

n───────  □
```

Standby Gateway

```
r  ────── > cphaprob state

Cluster Mode:    Sync only (OPSEC) with IGMP Membership

ID           Unique Address   Firewall State (*)

1            172.30.251.122   Active
2 (local)    172.30.251.123   Active

(*) FW-1 monitors only the sync operation and the security policy
    Use OPSEC's monitoring tool to get the cluster status
r ───── cphaprob -a if

CCP mode: Manual (Multicast)
eth1              sync(secured), multicast
eth1-01           non sync(non secured)
eth1-01           non sync(non secured)
eth1-02           non sync(non secured)

S - sync, LM - link monitor, HA/LS - bond type

Virtual cluster interfaces: 6

eth1-01.1491     163.166.149.36
eth1-01.1098     163.166.98.121
eth1-01.2534     163.166.5.170
eth1-02.4        163.166.150.123
eth1-01.2160     161.2.160.121
eth1-01.1494     163.166.149.129
```

```
ı ˙ ˙ ˙> cphaprob list

There are no pnotes in problem state

ı˙˙˙ ˙˙ cphaprob syncstat

Delta Sync Statistics

Sync status: OK

Drops:
Lost updates................................. 0
Lost bulk update events...................... 0
Oversized updates not sent................... 0

Sync at risk:
Sent reject notifications.................... 0
Received reject notifications................ 0

Sent messages:
Total generated sync messages................ 3590863
Sent retransmission requests................. 35
Sent retransmission updates.................. 11
Peak fragments per update.................... 1

Received messages:
Total received updates....................... 236615641
Received retransmission requests............. 11

Sync Interface:
Name......................................... eth1
Link speed................................... 1000Mb/s
Rate......................................... 34660 [Bps]
Peak rate.................................... 34660 [Bps]
Link usage...................................  0%
Total........................................ 238095[MB]

Queue sizes (num of updates):
Sending queue size........................... 512
Receiving queue size......................... 256
Fragments queue size......................... 50

Timers:
Delta Sync interval (ms)..................... 100

Reset on Wed Feb  1 03:11:25 2023 (triggered by fullsync).
```

```
r      cphaprob roles

ID         Role

1          Master
2 (local)  Non-Master

r        cphaprob tablestat

----    Unique IP's Table  ----

Member            Interface         IP-Address
-------------------------------------------------
0                 2                 172.30.251.122
0                 11                163.166.149.35
0                 12                163.166.98.65
0                 13                163.166.1.72
0                 14                163.166.5.171
0                 15                163.166.150.178
0                 16                163.166.128.72
0                 17                163.166.0.72
0                 18                161.2.160.72
0                 19                163.166.149.130


(Local)
1                 2                 172.30.251.123
1                 11                163.166.149.36
1                 12                163.166.98.66
1                 13                163.166.1.73
1                 14                163.166.5.172
1                 15                163.166.150.179
1                 16                163.166.128.73
1                 17                163.166.0.73
1                 18                161.2.160.73
1                 19                163.166.149.131


-------------------------------------------------
```

```
n_____/ show vrrp summary

VRRP State
    VRRP Router State: Up
    Flags: On,MonitorFirewall
    Coldstart delay (30 seconds): completed
    Interface enabled: 6
    Virtual routers configured: 6
        In Init state 1
        In Backup state 5
        In Master state 0
n_____
```

Route for VRF 28 is not showing in connected routes

```
_____> show route destination 163.166.149.35
Codes: C - Connected, S - Static, R - RIP, B - BGP (D - Default),
       O - OSPF IntraArea (IA - InterArea, E - External, N - NSSA),
       A - Aggregate, K - Kernel Remnant, H - Hidden, P - Suppressed,
       U - Unreachable, i - Inactive

S            0.0.0.0/0           via 163.166.150.252, eth1-02.4, cost 0, age 774112
      > show route direct
Codes: C - Connected, S - Static, R - RIP, B - BGP (D - Default),
       O - OSPF IntraArea (IA - InterArea, E - External, N - NSSA),
       A - Aggregate, K - Kernel Remnant, H - Hidden, P - Suppressed,
       U - Unreachable, i - Inactive

C            127.0.0.0/8         is directly connected, lo
C            161.2.160.0/24      is directly connected, eth1-01.2160
C            163.166.0.0/24      is directly connected, eth1-01.1660
                                     F5 VIP VRF 28 Live PCI
C            163.166.1.0/24      is directly connected, eth1-01.1661
                                     F5 VIP VRF 28 Live PCI
C            163.166.5.160/27    is directly connected, eth1-01.2534
                                     Interim Inter FW interface
C            163.166.98.0/24     is directly connected, eth1-01.1098
                                     inter firewall vlan
C            163.166.128.0/24    is directly connected, eth1-01.1668
                                     F5 VIP VRF 29 test PCI
C            163.166.149.128/27  is directly connected, eth1-01.1494
                                     transit to F5 PCIDMZ Test VRF 29
C            163.166.150.0/24    is directly connected, eth1-02.4
                                     Internet dirty VLAN 4 to Internet
C            172.30.251.112/28   is directly connected, eth1
                                     Sync
```

```
[____]> show vrrp interface eth1-01.1491

VRRP Interface
Interface eth1-01.1491
    Number of virtual routers: 1(active=0)
    Flags:
    Authentication: SimpleTextPassword
    VRID 35
            State:                 Initialize           Time since transition:   1622932
        Master: 0.0.0.0
            BasePriority:          225         Effective Priority:    225
            Master transitions:    0           Flags:                 Disabled
            Advertisement interval: 2          Router Dead Interval:  6
            VMAC Mode:             VRRP         VMAC:                  00:00:5e:00:01:23
        Number of Addresses: 1
            163.166.149.33
```