

## OSPF (проверка)

- HQ1

```
1 HQ1#show ip ospf neighbor
2
3 Neighbor ID      Pri   State           Dead Time   Address
   Interface
4 3.3.3.3          1     FULL/DROTHER    00:00:38    172.16.3.3
   FastEthernet0/1.10
5 192.168.254.2    1     FULL/DR         00:00:34    172.16.3.2
   FastEthernet0/1.10
6 3.3.3.3          0     FULL/ -         00:00:37    172.16.1.2    Tunnel1
```

```
1 HQ1#show ip ospf rib
2
3           OSPF Router with ID (1.1.1.1) (Process ID 1)
4
5           Base Topology (MTID 0)
6
7
8 OSPF local RIB
9 Codes: * - Best, > - Installed in global RIB
10
11 * 10.0.100.0/24, Intra, cost 1, area 51, Connected
12   via 10.0.100.1, FastEthernet0/0.1000
13 * 172.16.1.0/24, Intra, cost 1000, area 0, Connected
14   via 172.16.1.1, Tunnel1
15 * 172.16.3.0/24, Intra, cost 1, area 0, Connected
16   via 172.16.3.1, FastEthernet0/1.10
17 * 172.16.20.0/24, Intra, cost 1, area 51, Connected
18   via 172.16.20.1, FastEthernet0/0.1200
```

- FW1

```
1 FW1# show ospf neighbor
2
3
4 Neighbor ID      Pri   State           Dead Time   Address
   Interface
5 1.1.1.1          1     FULL/BDR        0:00:32    172.16.3.1    L2VPN
6 3.3.3.3          1     FULL/DROTHER    0:00:31    172.16.3.3    L2VPN
```

```
1 FW1# show ospf rib
2
3
4           OSPF Router with ID (192.168.254.2) (Process ID 1)
5 OSPF local RIB
6 Codes: * - Best, > - Installed in global RIB
7
```

```

8  *> 10.0.100.0/24, Inter, cost 11, area 0
9      via 172.16.3.1, L2VPN
10 *> 172.16.1.0/24, Intra, cost 1010, area 0
11     via 172.16.3.1, L2VPN
12     via 172.16.3.3, L2VPN
13 *   172.16.3.0/24, Intra, cost 10, area 0, Connected
14     via 172.16.3.2, L2VPN
15 *> 172.16.20.0/24, Inter, cost 11, area 0
16     via 172.16.3.1, L2VPN

```

- **BR1**

```

1  BR1#show ip ospf nei
2
3  Neighbor ID      Pri   State           Dead Time   Address
   Interface
4  1.1.1.1          1     FULL/BDR        00:00:30    172.16.3.1
   FastEthernet0/1.10
5  192.168.254.2    1     FULL/DR         00:00:33    172.16.3.2
   FastEthernet0/1.10
6  1.1.1.1          0     FULL/ -         00:00:38    172.16.1.1    Tunnel1

```

```

1  R1#show ip ospf rib
2
3          OSPF Router with ID (3.3.3.3) (Process ID 1)
4
5
6          Base Topology (MTID 0)
7
8  OSPF local RIB
9  Codes: * - Best, > - Installed in global RIB
10
11 *> 10.0.100.0/24, Inter, cost 2, area 0
12     via 172.16.3.1, FastEthernet0/1.10
13 *   172.16.1.0/24, Intra, cost 1000, area 0, Connected
14     via 172.16.1.2, Tunnel1
15 *   172.16.3.0/24, Intra, cost 1, area 0, Connected
16     via 172.16.3.3, FastEthernet0/1.10
17 *> 172.16.20.0/24, Inter, cost 2, area 0
18     via 172.16.3.1, FastEthernet0/1.10

```

```
1 #VLAN 1200
2 BR1#ping 172.16.20.1
3 Type escape sequence to abort.
4 Sending 5, 100-byte ICMP Echos to 172.16.20.1, timeout is 2 seconds:
5 !!!!!
6 Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
7 #VLAN 1000
8 BR1#ping 10.0.100.1
9 Type escape sequence to abort.
10 Sending 5, 100-byte ICMP Echos to 10.0.100.1, timeout is 2 seconds:
11 !!!!!
12 Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
```