

Figure 2:

This is my DB VM on VXLAN.I can do the followings:

- Can ping to EDGE UPLINK Connected to Distributed portgroup
- Can't ping to Router Interface 172.16.6.1
- Traceroute output ok till DLR-UPLINK interface

```
root@lamp ~#
root@lamp ~#
root@lamp ~# ping 172.16.6.41
PING 172.16.6.41 (172.16.6.41) 56(84) bytes of data.
64 bytes from 172.16.6.41: icmp_seq=1 ttl=63 time=0.870 ms
64 bytes from 172.16.6.41: icmp_seq=2 ttl=63 time=0.638 ms
64 bytes from 172.16.6.41: icmp_seq=3 ttl=63 time=0.692 ms
64 bytes from 172.16.6.41: icmp_seq=4 ttl=63 time=0.788 ms
64 bytes from 172.16.6.41: icmp_seq=5 ttl=63 time=0.648 ms
64 bytes from 172.16.6.41: icmp_seq=6 ttl=63 time=0.500 ms
^C
--- 172.16.6.41 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5007ms
rtt min/avg/max/mdev = 0.500/0.689/0.870/0.119 ms
root@lamp ~#
root@lamp ~#
root@lamp ~# ping 172.16.6.1
PING 172.16.6.1 (172.16.6.1) 56(84) bytes of data.
^C
--- 172.16.6.1 ping statistics ---
13 packets transmitted, 0 received, 100% packet loss, time 12096ms
root@lamp ~# traceroute 172.16.6.1
traceroute to 172.16.6.1 (172.16.6.1), 30 hops max, 60 byte packets
 1  192.167.1.1 (192.167.1.1)  0.393 ms  0.157 ms  0.131 ms
 2  10.10.10.2 (10.10.10.2)  0.615 ms  0.349 ms  0.166 ms
 3  * * *
 4  * * *
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * *
13  * * _
```

Figure 2

Figure 3:

This is my EDGE.

- Showing routing table
- Can ping Mikrotik router interface 172.16.6.1
- Can ping DLR interface 192.167.1.1
- Can't ping the VM

```
esg-1.home.lab-0#
esg-1.home.lab-0#
esg-1.home.lab-0# show ip route
Total number of routes: 4

Codes: 0 - OSPF derived, i - IS-IS derived, B - BGP derived,
C - connected, S - static, L1 - IS-IS level-1, L2 - IS-IS level-2,
IA - OSPF inter area, E1 - OSPF external type 1, E2 - OSPF external type 2,
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

S      0.0.0.0/0          [1/0]          via 172.16.6.1
C      10.10.10.0/29      [0/0]          via 10.10.10.2
C      172.16.6.0/24      [0/0]          via 172.16.6.41
S      192.167.1.0/24    [1/0]          via 10.10.10.3
esg-1.home.lab-0# ping 172.16.6.1
PING 172.16.6.1 (172.16.6.1) 56(84) bytes of data.
64 bytes from 172.16.6.1: icmp_seq=1 ttl=64 time=0.377 ms
64 bytes from 172.16.6.1: icmp_seq=2 ttl=64 time=0.374 ms
^C
esg-1.home.lab-0#
--- 172.16.6.1 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.374/0.375/0.377/0.019 ms
esg-1.home.lab-0# _

esg-1.home.lab-0#
esg-1.home.lab-0#
esg-1.home.lab-0# ping 192.167.1.1
PING 192.167.1.1 (192.167.1.1) 56(84) bytes of data.
64 bytes from 192.167.1.1: icmp_seq=1 ttl=64 time=0.198 ms
64 bytes from 192.167.1.1: icmp_seq=2 ttl=64 time=0.221 ms
64 bytes from 192.167.1.1: icmp_seq=3 ttl=64 time=0.377 ms
64 bytes from 192.167.1.1: icmp_seq=4 ttl=64 time=0.163 ms
^C
--- 192.167.1.1 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3006ms

esg-1.home.lab-0# rtt min/avg/max/mdev = 0.163/0.239/0.377/0.084 ms
esg-1.home.lab-0# ping 192.167.1.5
PING 192.167.1.5 (192.167.1.5) 56(84) bytes of data.
From 10.10.10.3 icmp_seq=1 Destination Host Unreachable
From 10.10.10.3 icmp_seq=2 Destination Host Unreachable
From 10.10.10.3 icmp_seq=3 Destination Host Unreachable
From 10.10.10.3 icmp_seq=4 Destination Host Unreachable
^C
esg-1.home.lab-0#
--- 192.167.1.5 ping statistics ---
6 packets transmitted, 0 received, +4 errors, 100% packet loss, time 5000ms
pipe 4
esg-1.home.lab-0#
```

Figure 3

Figure 4:

This is my DLR VM.

- Routing table is given here
- Can ping only EDGE internal interface.
- Cant ping EDGE Uplink connected tp distributed port group
- Canlt ping physical router

```
dlr1.home.lab-0#
dlr1.home.lab-0#
dlr1.home.lab-0#
dlr1.home.lab-0# show ip route
Total number of routes: 3

Codes: 0 - OSPF derived, i - IS-IS derived, B - BGP derived,
C - connected, S - static, L1 - IS-IS level-1, L2 - IS-IS level-2,
IA - OSPF inter area, E1 - OSPF external type 1, E2 - OSPF external type 2,
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

C       10.10.10.0/29          [0/0]          via 10.10.10.3
S       172.16.6.0/24         [1/0]          via 10.10.10.2
C       192.167.1.0/24       [0/0]          via 192.167.1.1
dlr1.home.lab-0# ping 10.10.10.3
PING 10.10.10.3 (10.10.10.3) 56(84) bytes of data.
64 bytes from 10.10.10.3: icmp_seq=1 ttl=64 time=0.172 ms
64 bytes from 10.10.10.3: icmp_seq=2 ttl=64 time=0.732 ms
^C
dlr1.home.lab-0#
--- 10.10.10.3 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.172/0.452/0.732/0.280 ms
dlr1.home.lab-0#

dlr1.home.lab-0#
dlr1.home.lab-0#
dlr1.home.lab-0# ping 172.16.6.41
PING 172.16.6.41 (172.16.6.41) 56(84) bytes of data.
From 10.10.10.3 icmp_seq=1 Destination Host Unreachable
From 10.10.10.3 icmp_seq=2 Destination Host Unreachable
From 10.10.10.3 icmp_seq=3 Destination Host Unreachable
From 10.10.10.3 icmp_seq=4 Destination Host Unreachable
^C
dlr1.home.lab-0#
--- 172.16.6.41 ping statistics ---
5 packets transmitted, 0 received, +4 errors, 100% packet loss, time 4000ms
pipe 4
dlr1.home.lab-0# ping 172.16.6.1
PING 172.16.6.1 (172.16.6.1) 56(84) bytes of data.
From 10.10.10.3 icmp_seq=1 Destination Host Unreachable
From 10.10.10.3 icmp_seq=2 Destination Host Unreachable
From 10.10.10.3 icmp_seq=3 Destination Host Unreachable
From 10.10.10.3 icmp_seq=4 Destination Host Unreachable
^C
dlr1.home.lab-0#
--- 172.16.6.1 ping statistics ---
5 packets transmitted, 0 received, +4 errors, 100% packet loss, time 4001ms
pipe 4
dlr1.home.lab-0#
```

Figure 4