

Network Overview

Name public_net
ID 370c0668-d7de-4f1f-b0e4-7a870964fe8e
Project ID a7994d2cf15345efbc62dff1887b95b4
Status ACTIVE
Admin State UP
Shared No
External Network Yes
MTU Unknown
Provider Network Network Type: local
Physical Network: -
Segmentation ID: -

Both subnets added to same public network

Subnets

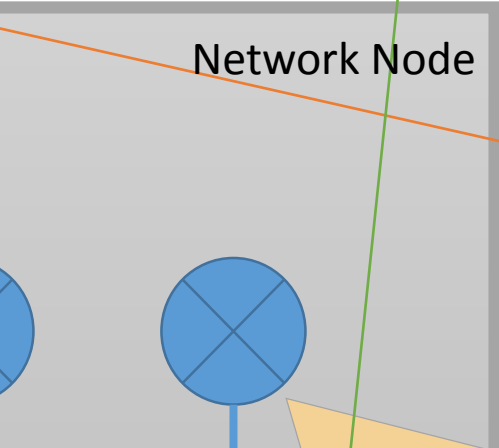
[+ Create Subnet](#) [Delete Subnets](#)

| <input type="checkbox"/> | Name | CIDR | IP Version | Gateway IP | Actions |
|--------------------------|---------|-----------------|------------|--------------|-------------------------------|
| <input type="checkbox"/> | subnet2 | 10.10.10.128/26 | IPv4 | 10.10.10.129 | Edit Subnet ▼ |
| <input type="checkbox"/> | subnet1 | 10.10.10.0/25 | IPv4 | 10.10.10.1 | Edit Subnet ▼ |

Displaying 2 items

```
# ip netns exec qrouter-8790f703-85ed-44e4-7a96-251b26572457 ip r
default via 10.10.10.1 dev qg-ee39897d-d3
10.10.10.0/25 dev qg-ee39897d-d3 proto kernel scope link src 10.10.10.115
10.10.10.128/26 dev qg-ee39897d-d3 scope link
192.168.10.0/24 dev qr-0c9694f8-9d proto kernel scope link src 192.168.10.1
```

Default external gateway



Router Gateway

```
# ip netns exec qrouter-8790f703-85ed-44e4-7a96-251b26572457 ip addr
<stripped version>
165: qg-7523dad9-a7: mtu 1500 qdisc noqueue state UNKNOWN
link/ether fa:16:3e:a3:8a:61 brd ff:ff:ff:ff:ff:ff
inet 10.10.10.115/25 brd 10.10.10.127 scope global qg-ee39897d-d3
valid_lft forever preferred_lft forever
inet 10.10.10.72/32 brd 10.10.10.72 scope global qg-ee39897d-d3
valid_lft forever preferred_lft forever
inet 10.10.10.168/32 brd 10.10.10.168 scope global qg-ee39897d-d3
valid_lft forever preferred_lft forever
```

```
# ip netns exec qrouter-79c39ab3-0d02-4ae4-b5d2-ae661b9181ef ip r
default via 10.10.10.129 dev qg-b0bd0c1a-75
10.10.10.0/25 dev qg-b0bd0c1a-75 scope link
10.10.10.128/26 dev qg-b0bd0c1a-75 proto kernel scope link src 10.10.10.164
192.168.100.0/24 dev qr-2c9ef527-f4 proto kernel scope link src 192.168.100.1
```

Subnet1

10.10.10.1/25 --- Gateway 10.10.10.1

Subnet2

10.10.10.128/26 --- Gateway 10.10.10.129

Traffic fails when the Gateway associated with router is allocated from subnet1 and floating-ip is from subnet2 or vice-versa. It works fine when both are from the same subnet. Looking at the routes within the router, it seems that it starts failing if floating-ip and gateway are in separate subnets.