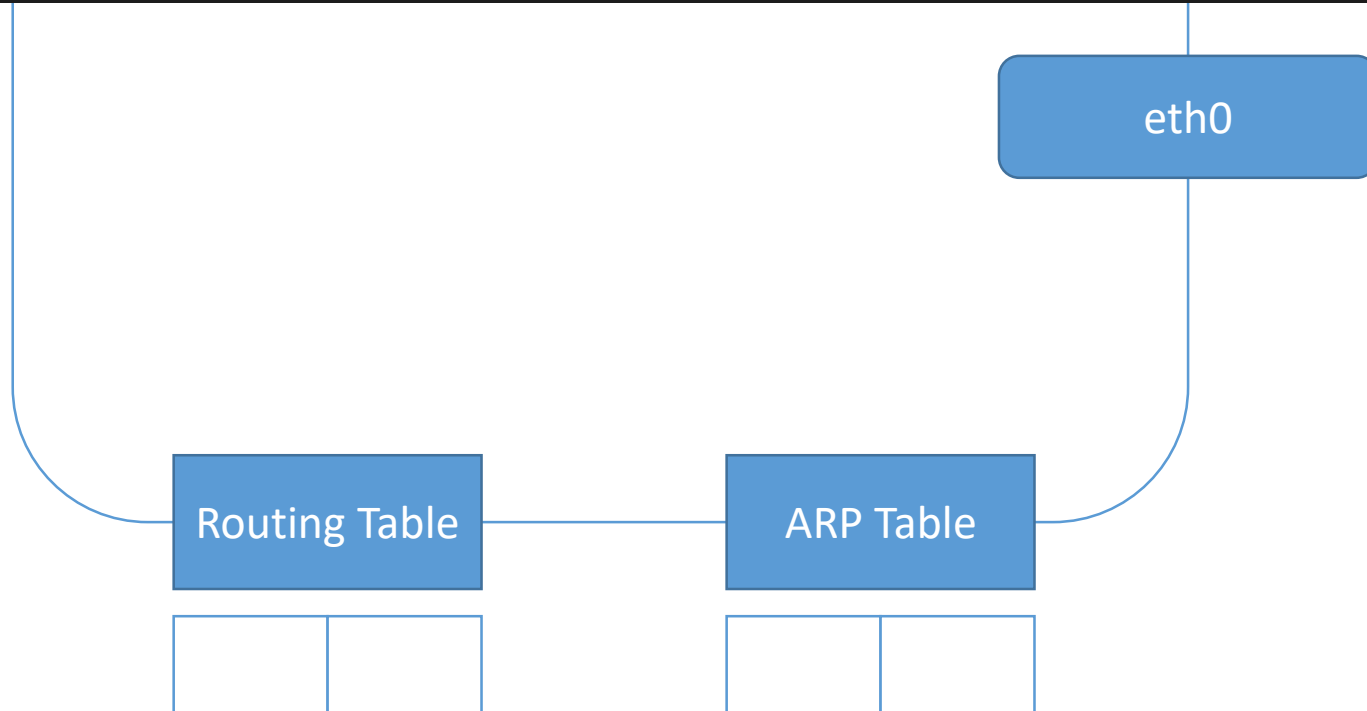


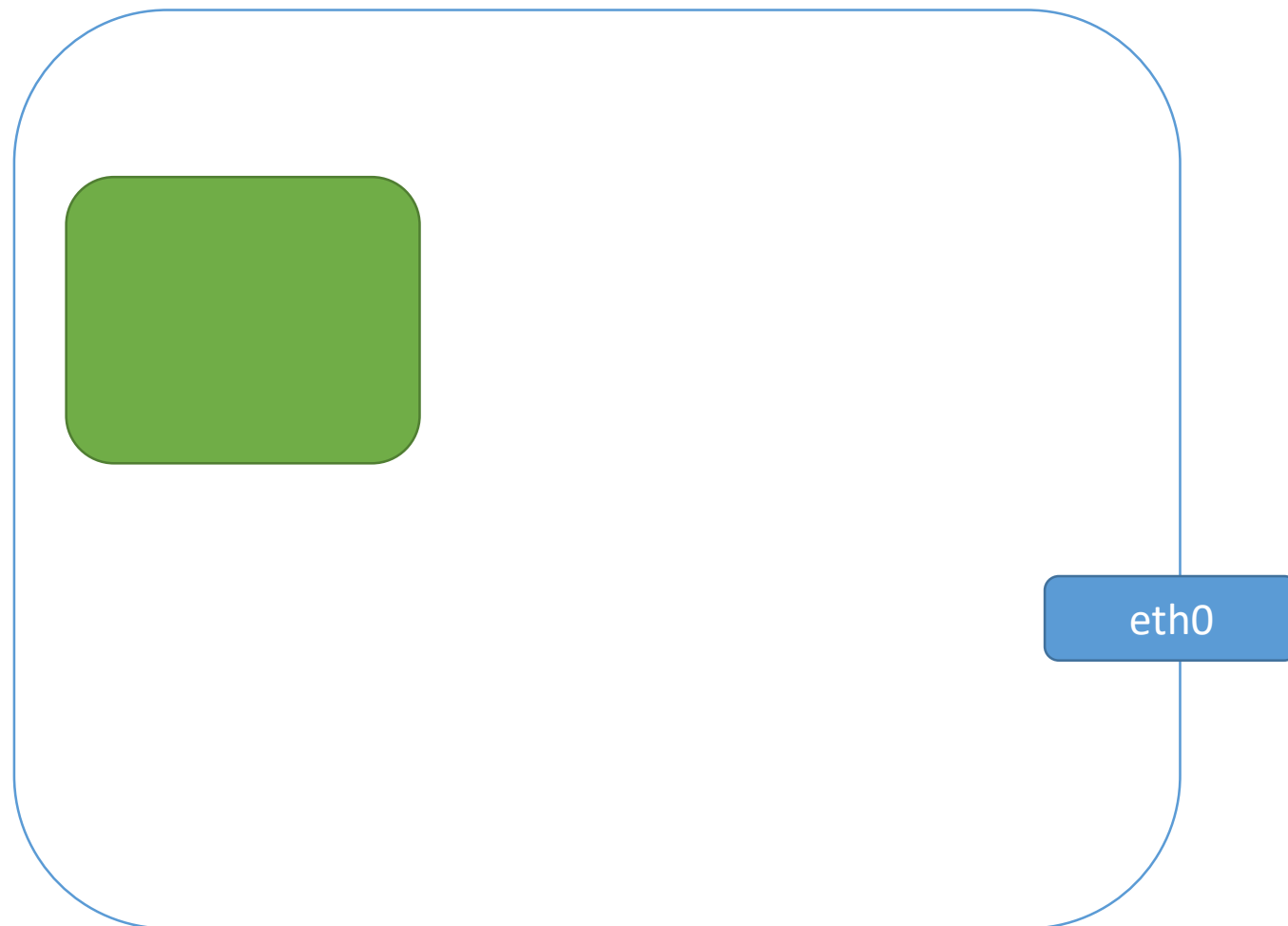
Network Namespaces

Create two Namespaces and connect them using veth

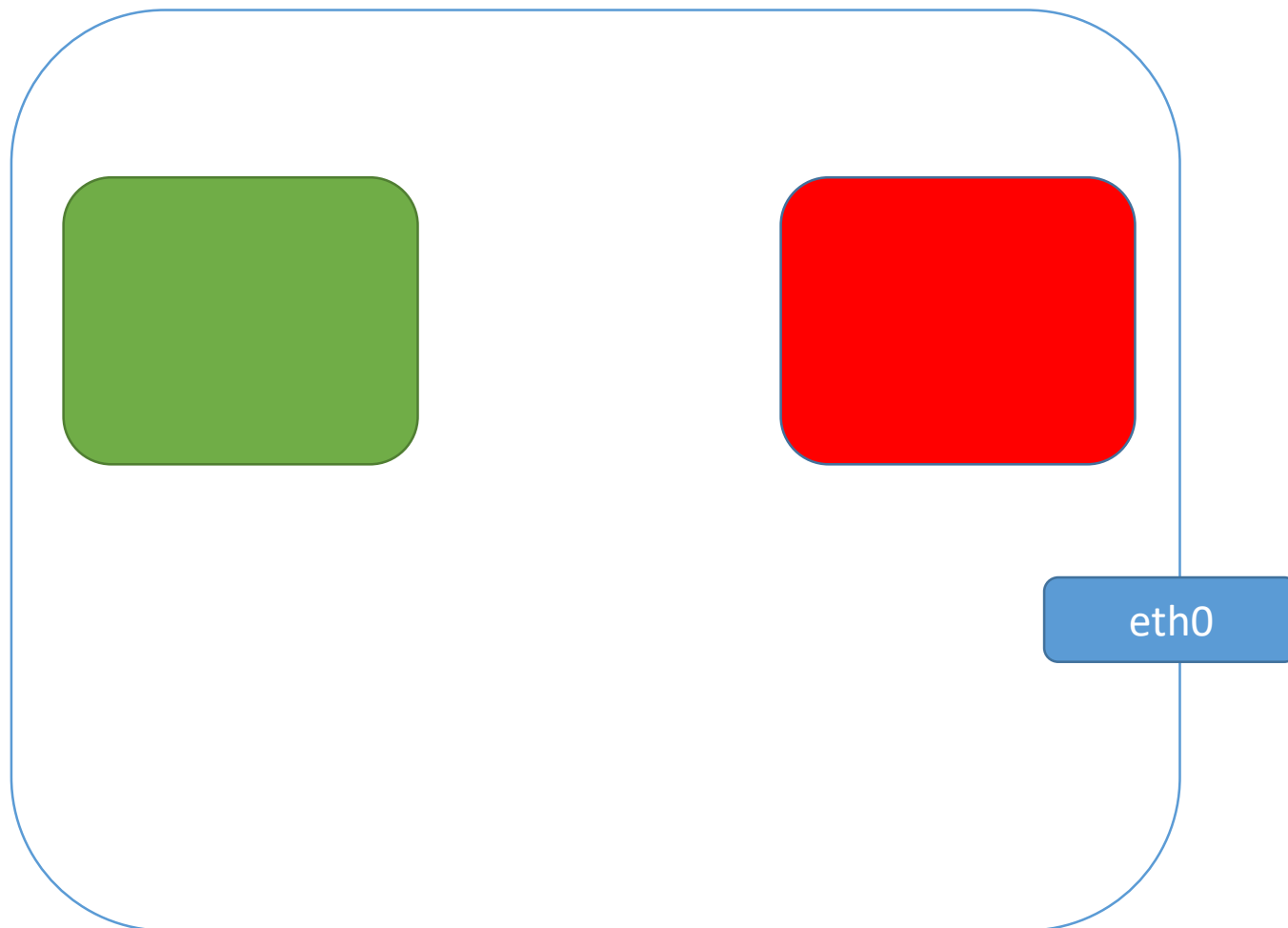
```
[test@node1 ~]$ sudo ip link
[sudo] password for test:
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP mode DEFAULT group default qlen 1000
    link/ether 00:15:5d:06:0d:0c brd ff:ff:ff:ff:ff:ff
[test@node1 ~]$ sudo arp
Address                HWtype  HWaddress          Flags Mask          Iface
10.0.6.13              ether   d8:bb:c1:50:63:04   C                   eth0
gateway                ether   d4:76:a0:e4:b5:9e   C                   eth0
[test@node1 ~]$ sudo ip route
default via 10.0.0.1 dev eth0 proto static metric 100
10.0.0.0/8 dev eth0 proto kernel scope link src 10.0.6.57 metric 100
[test@node1 ~]$
```

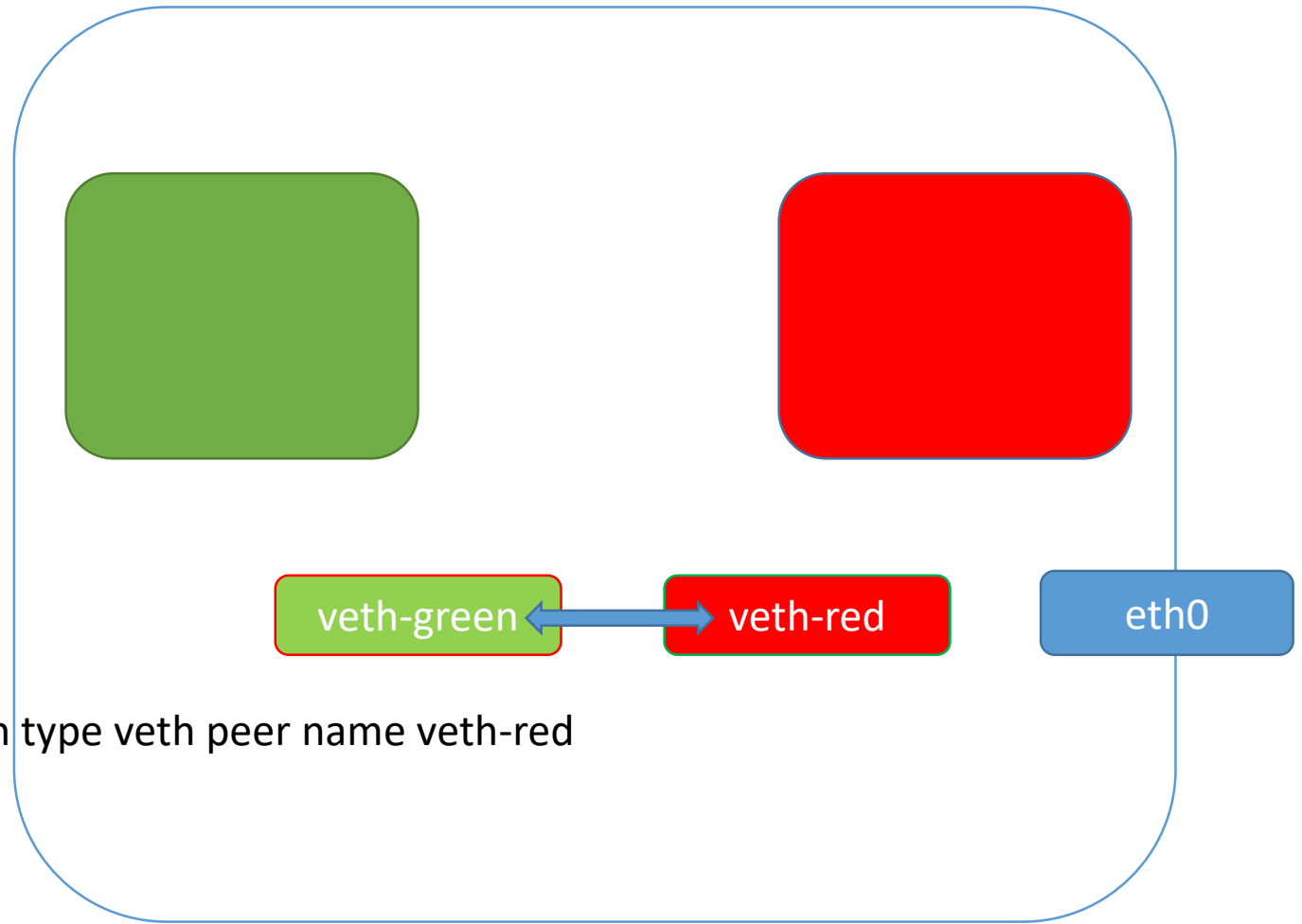


```
[test@node1 ~]$ sudo ip netns add green
```



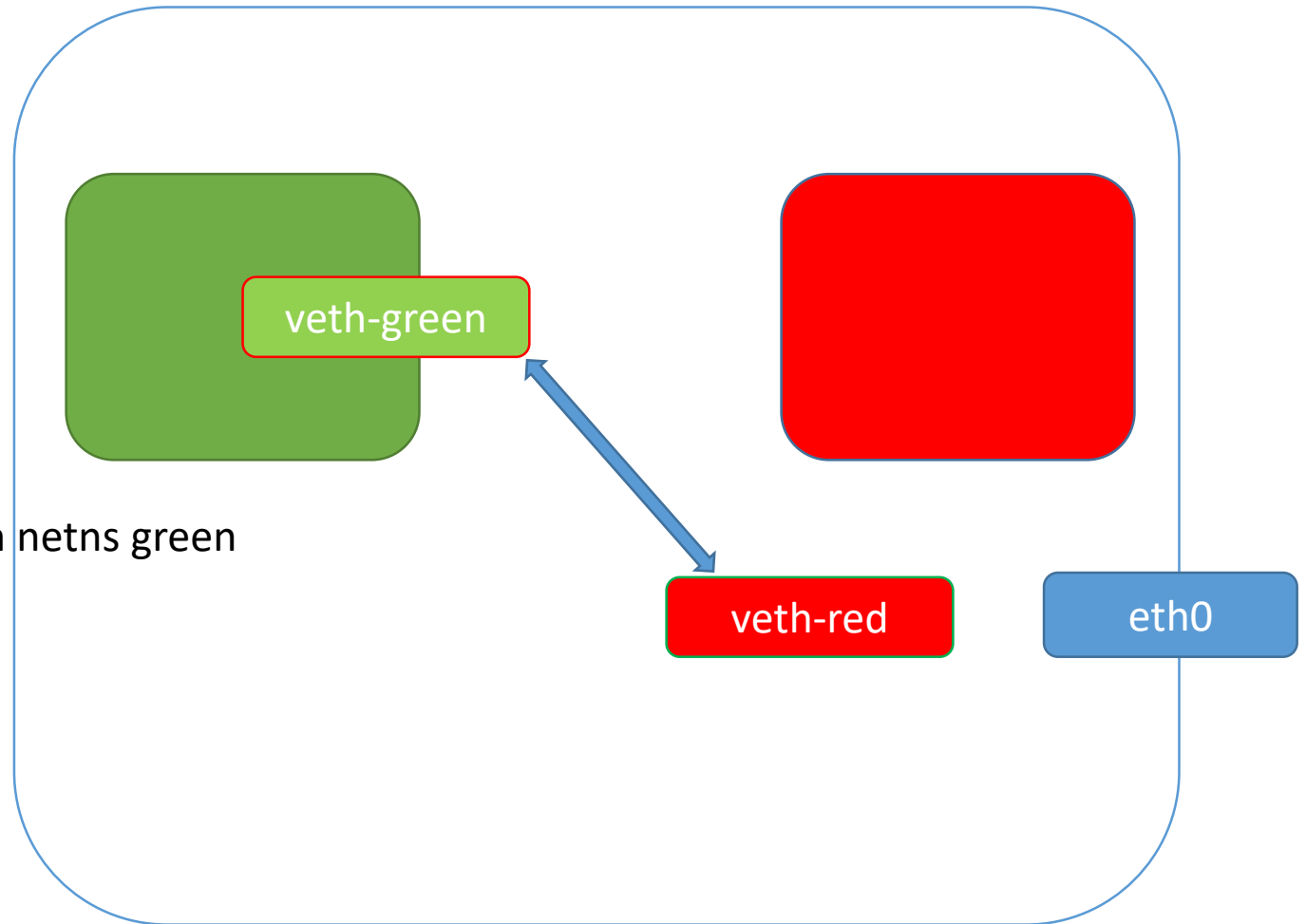
```
[test@node1 ~]$ sudo ip netns add red
```



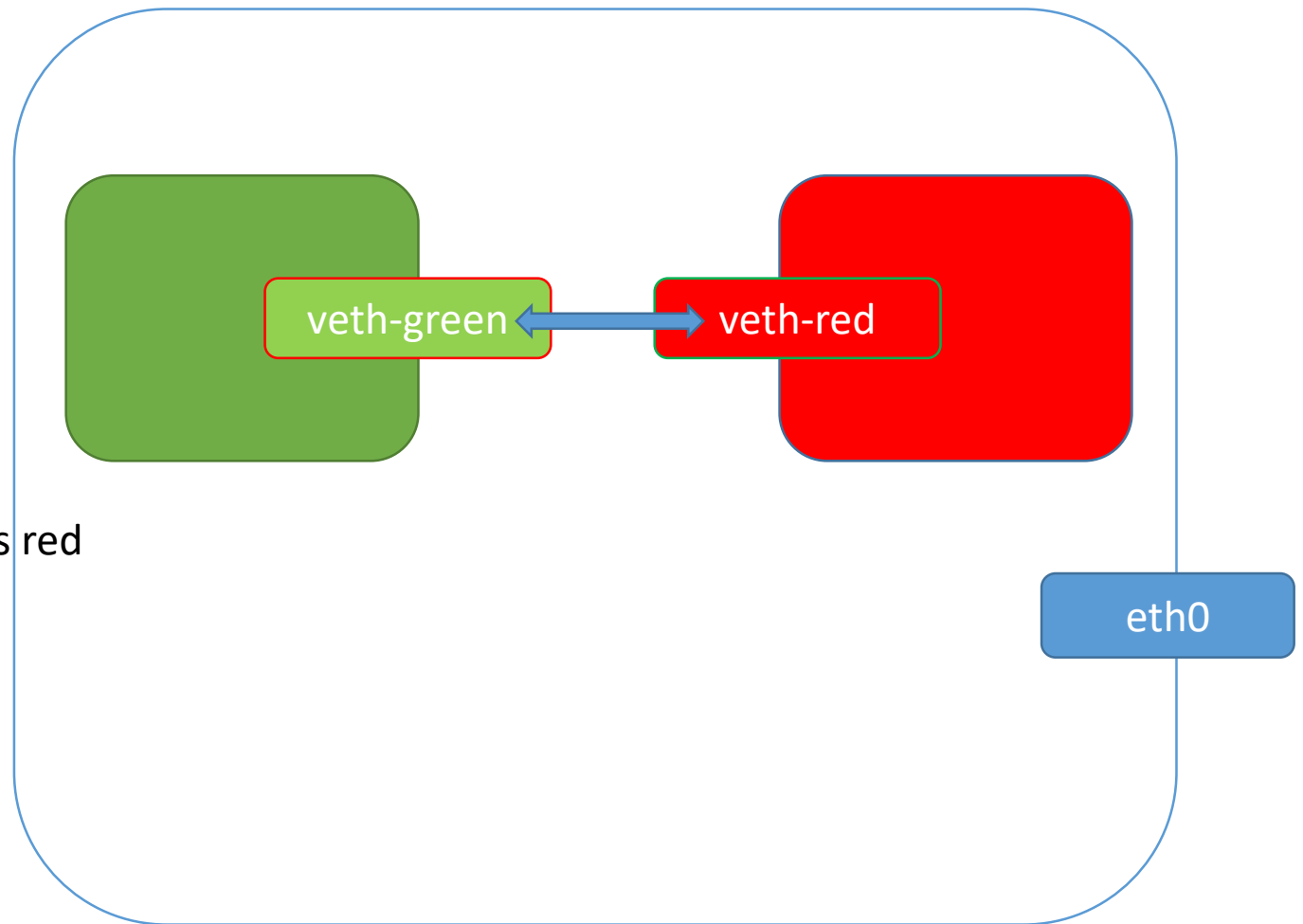


```
[test@node1 ~]$ sudo ip link add veth-green type veth peer name veth-red
```

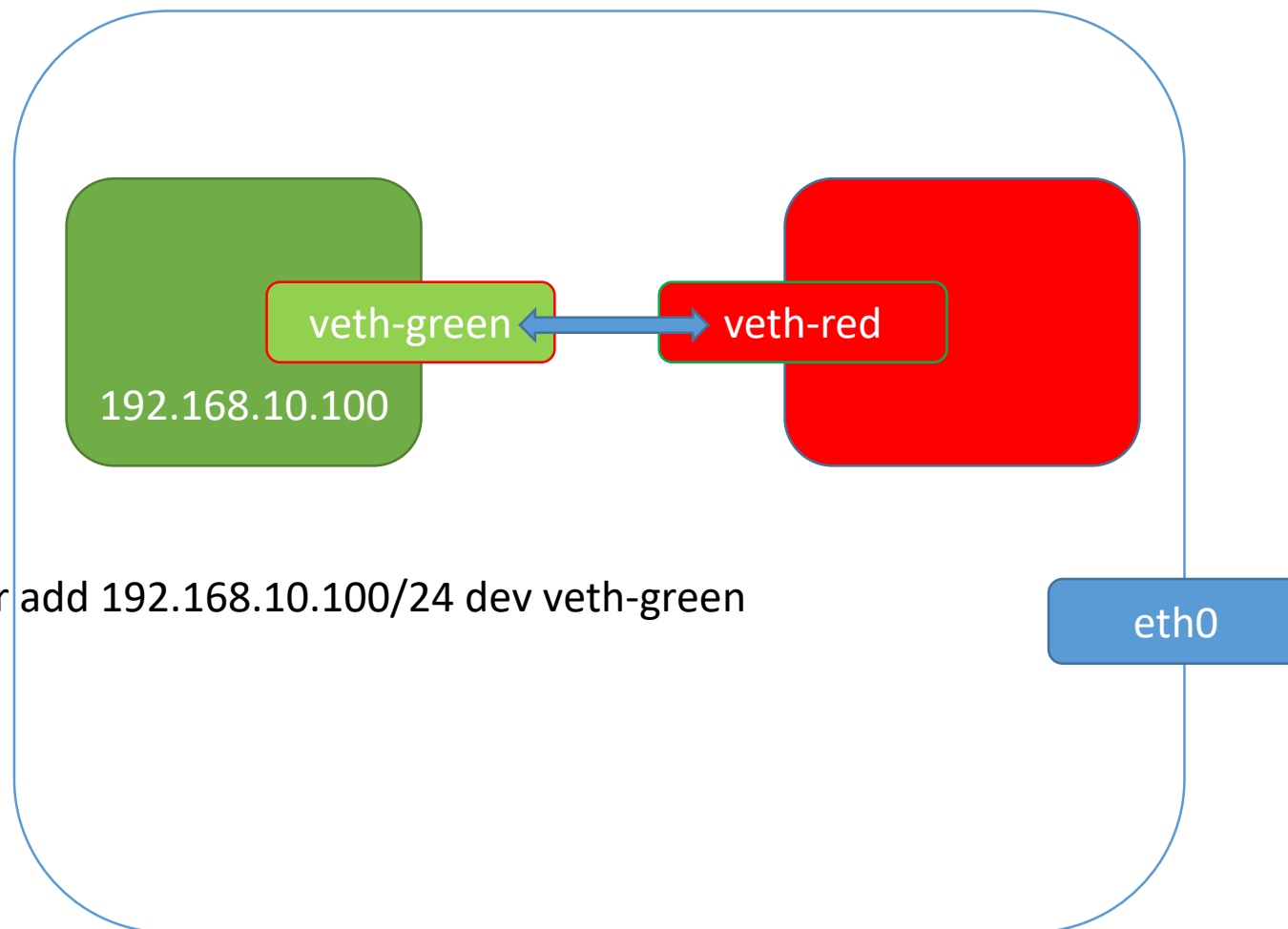
```
[test@node1 ~]$ sudo ip link set veth-green netns green
```

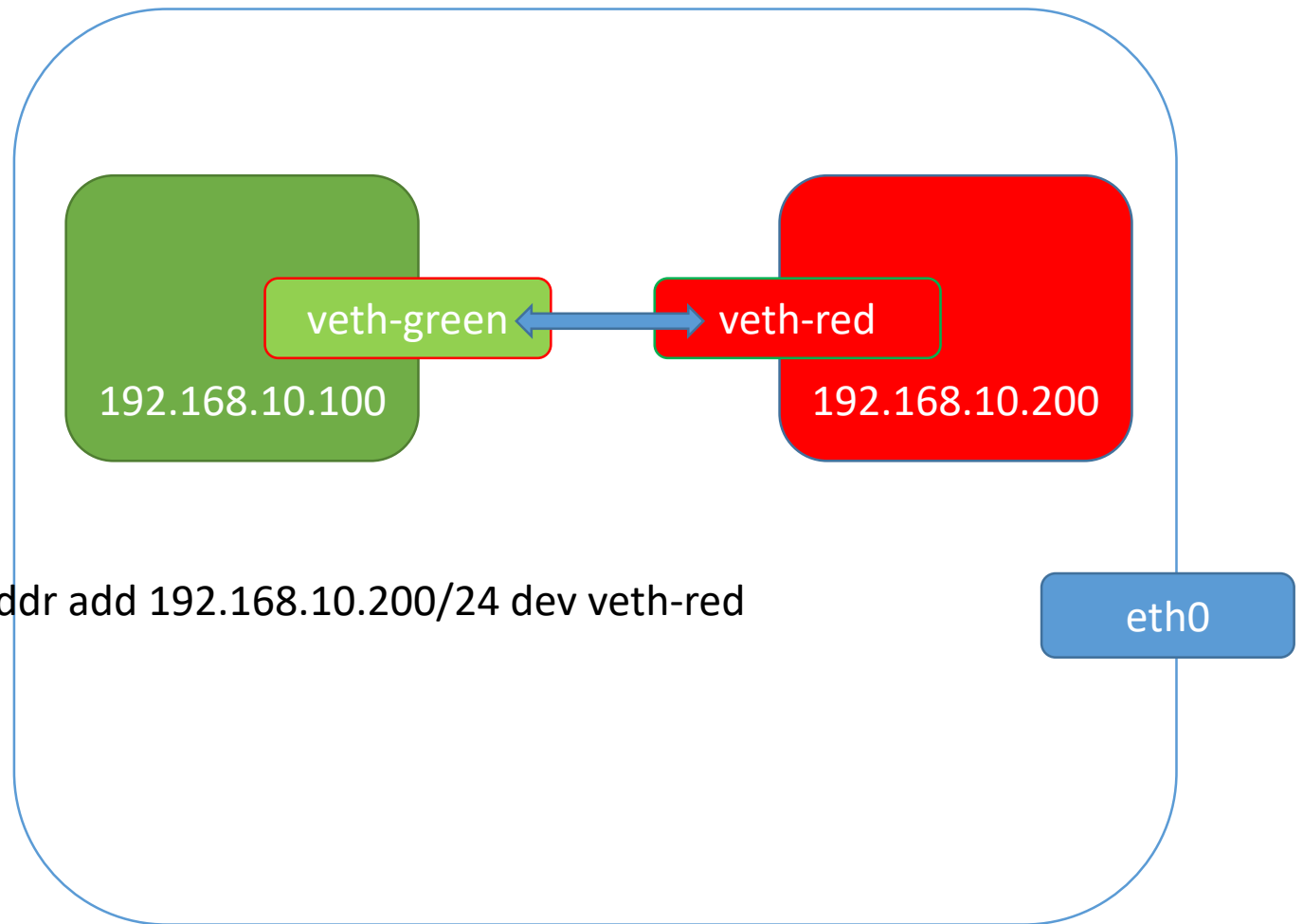


```
[test@node1 ~]$ sudo ip link set veth-red netns red
```

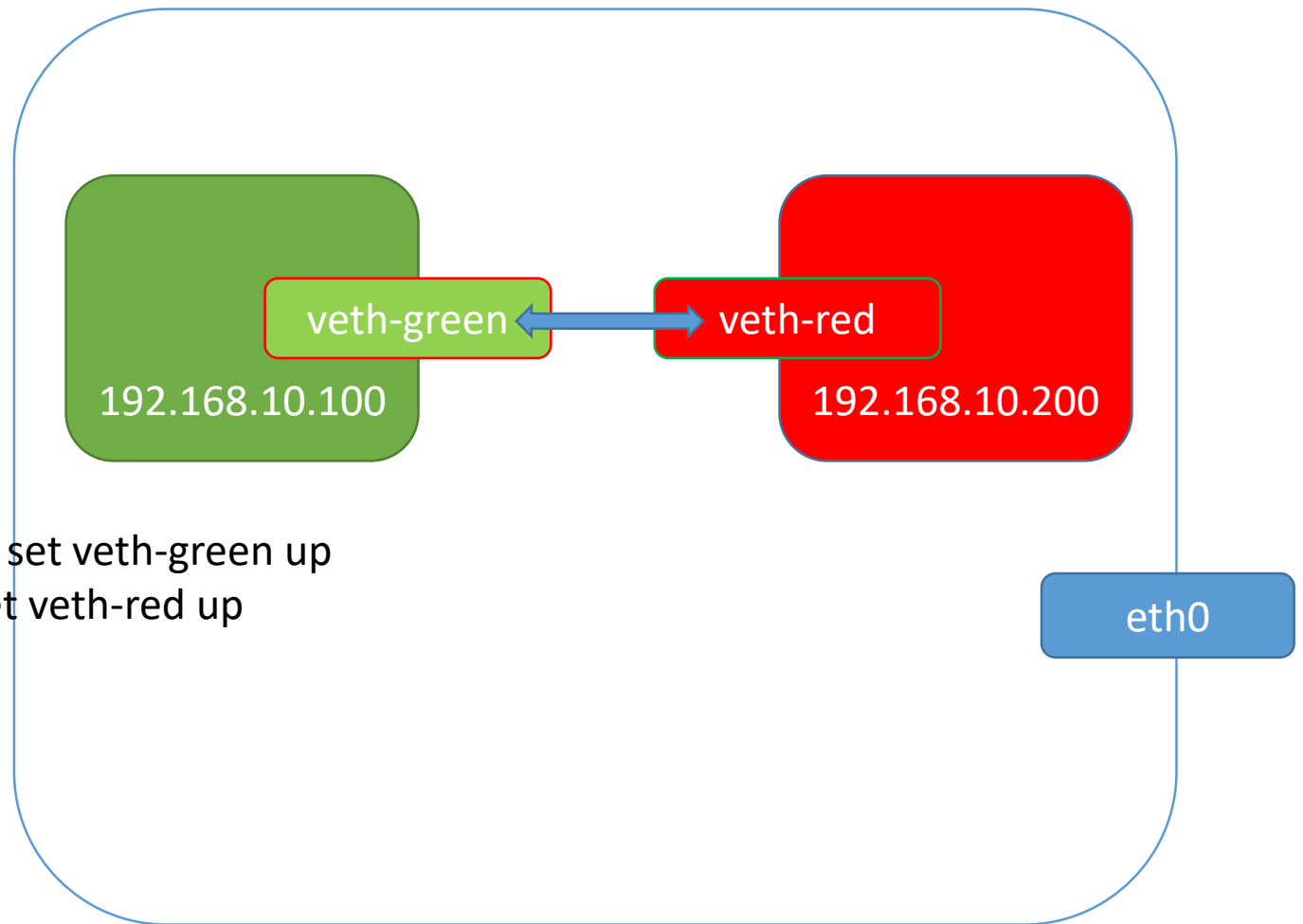


```
[test@node1 ~]$ sudo ip netns exec green ip addr add 192.168.10.100/24 dev veth-green
```





```
[test@node1 ~]$ sudo ip netns exec red ip addr add 192.168.10.200/24 dev veth-red
```



```
[test@node1 ~]$ sudo ip netns exec green ip link set veth-green up
```

```
[test@node1 ~]$ sudo ip netns exec red ip link set veth-red up
```

```
sudo ip netns exec green ping -c 2 192.168.10.200
```

```
sudo ip netns exec red ping -c 2 192.168.10.100
```

