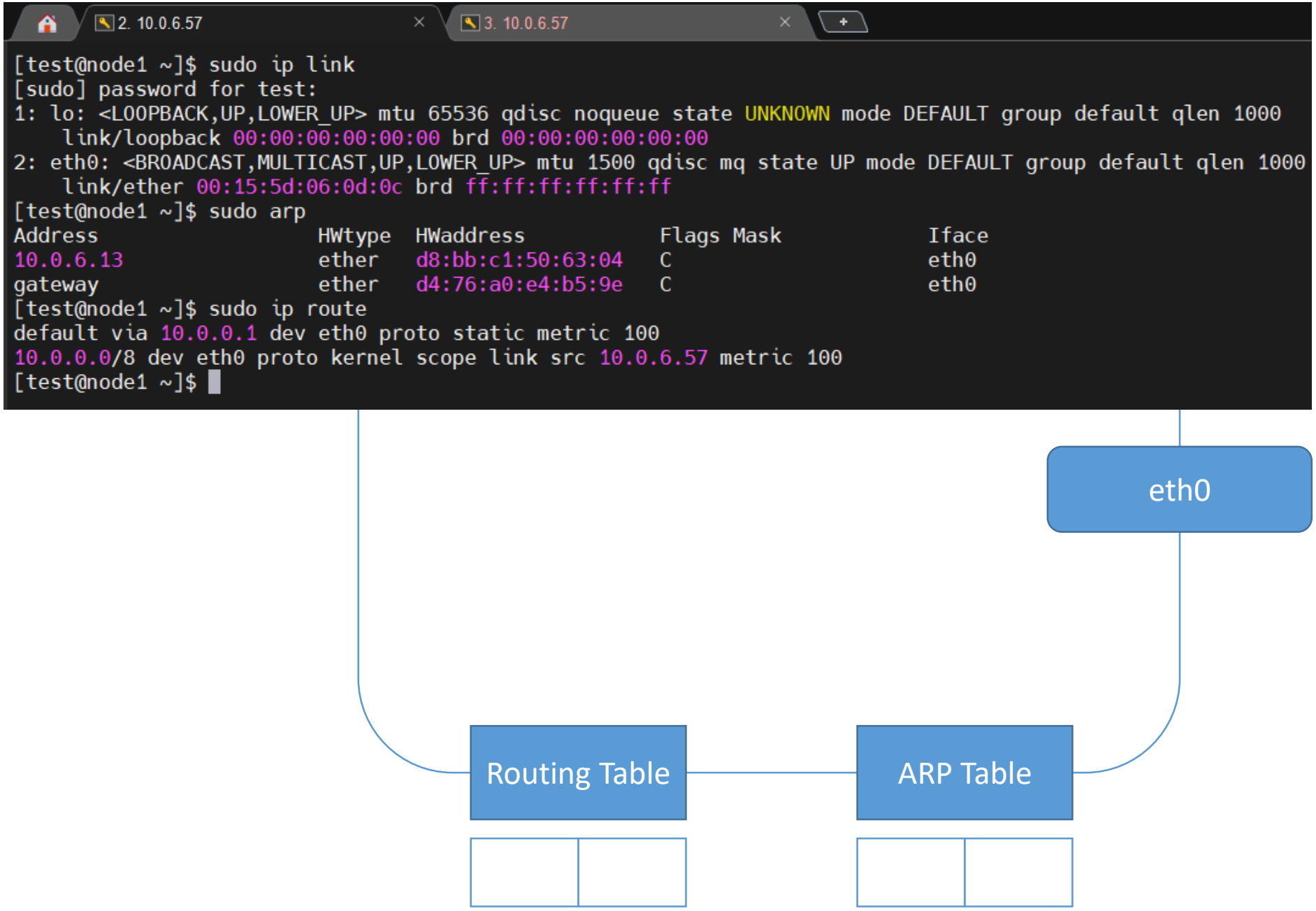
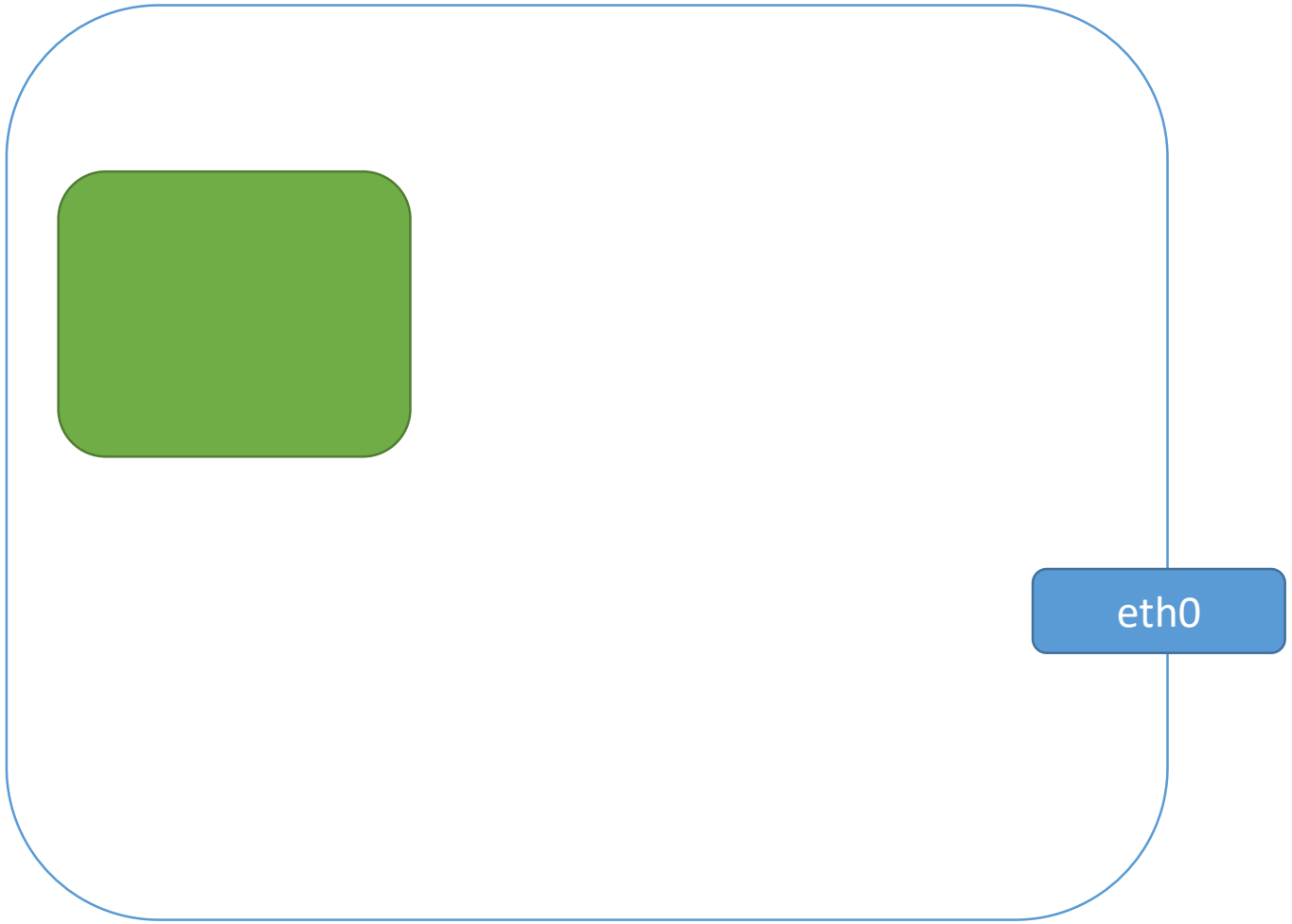
Network Namespaces

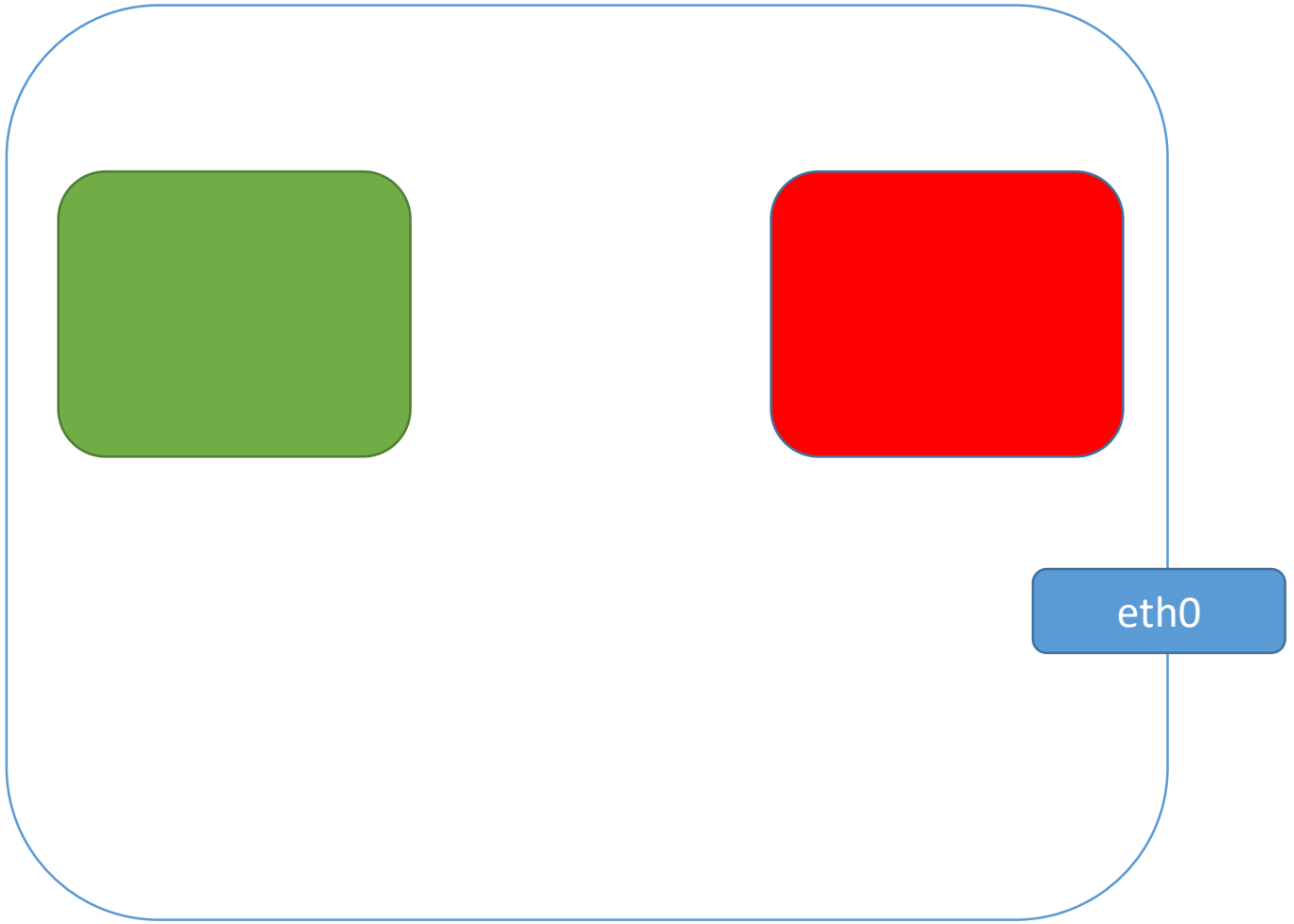
Create two Namespaces and connect them using veth

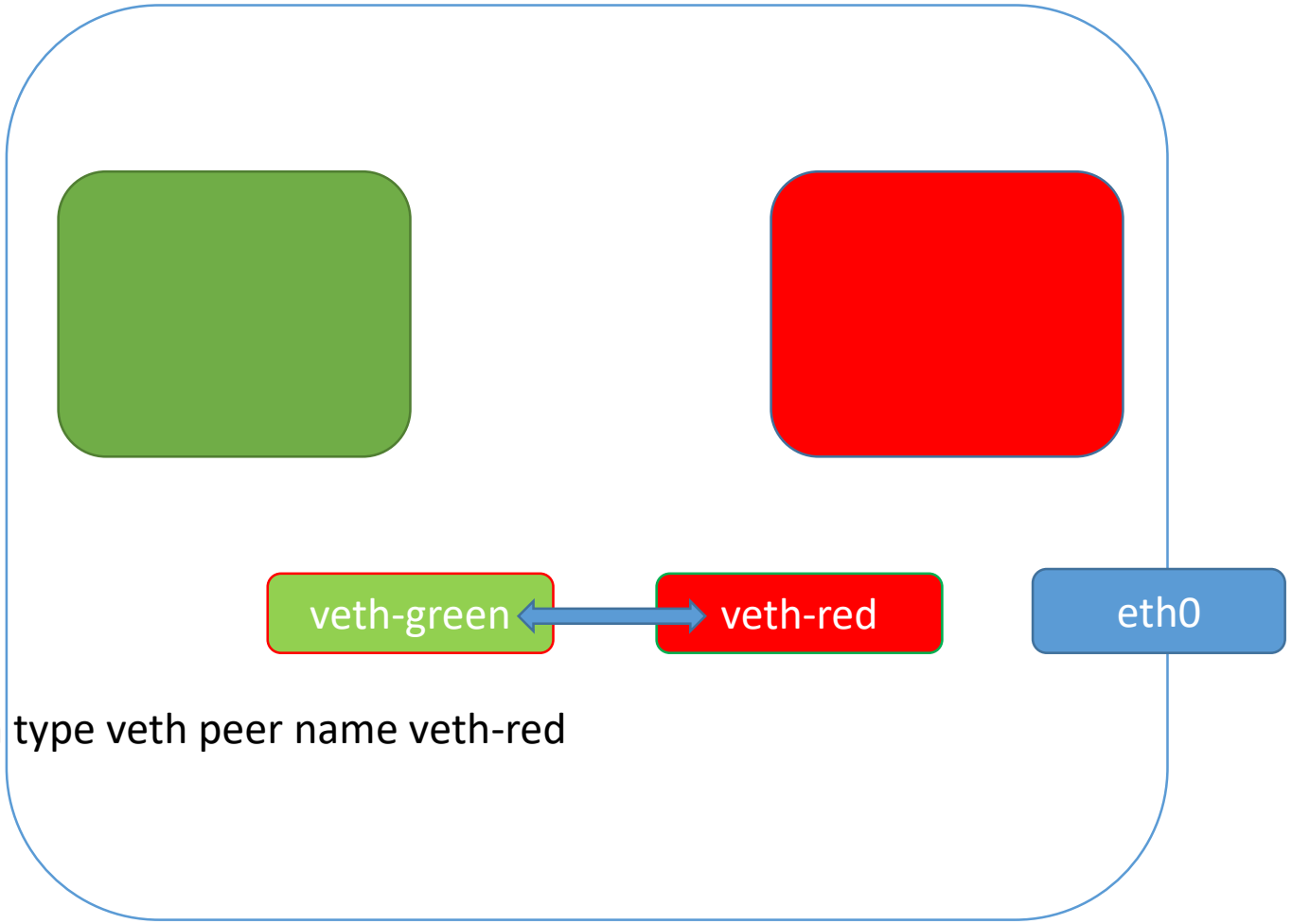

2. 10.0.6.57
3. 10.0.6.57
[test@node1 ~]$ sudo ip link
[sudo] password for test:
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq 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 ~]$
eth0
Routing Table
ARP Table

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



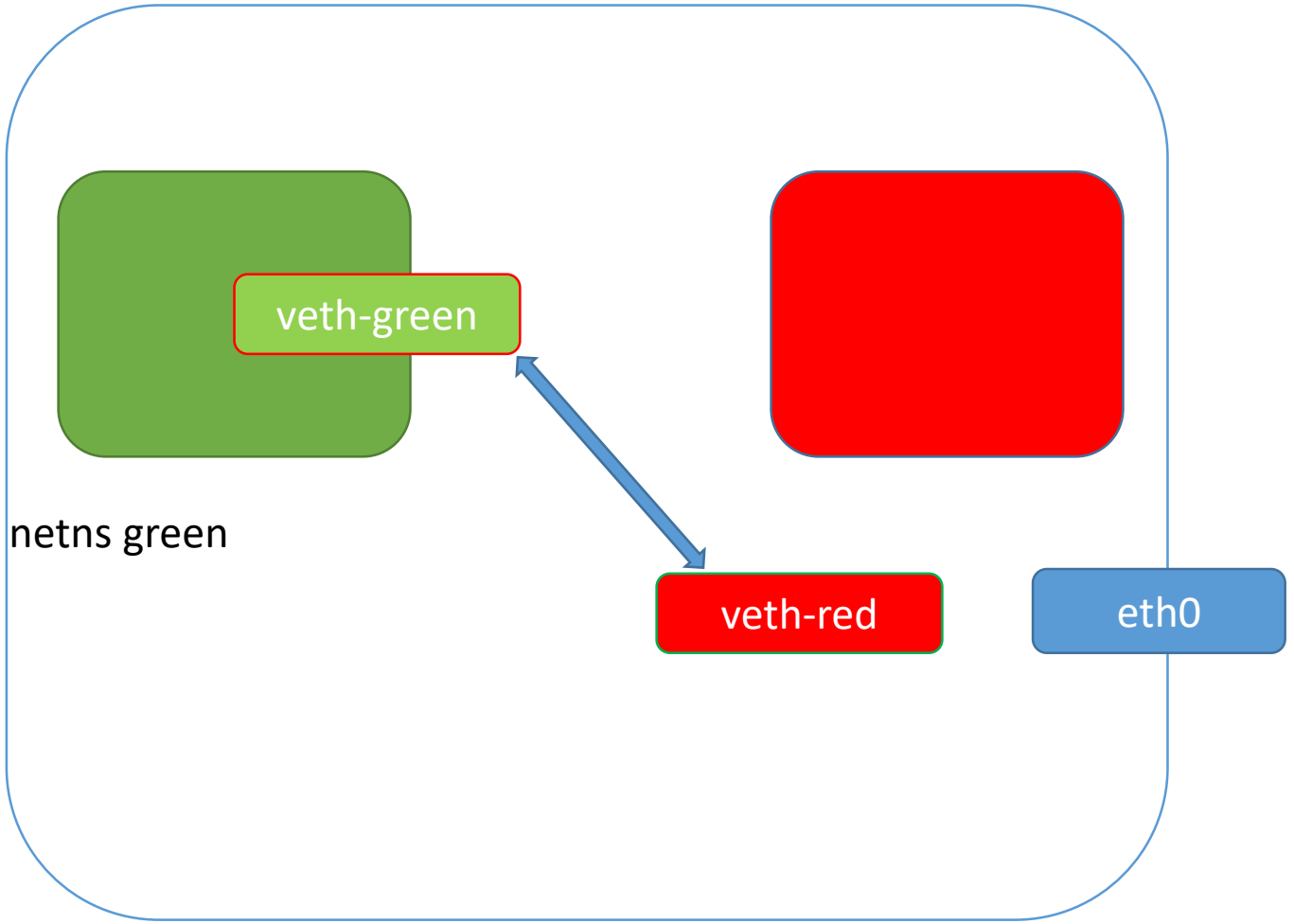
[test@node1 ~]$ sudo ip netns add red



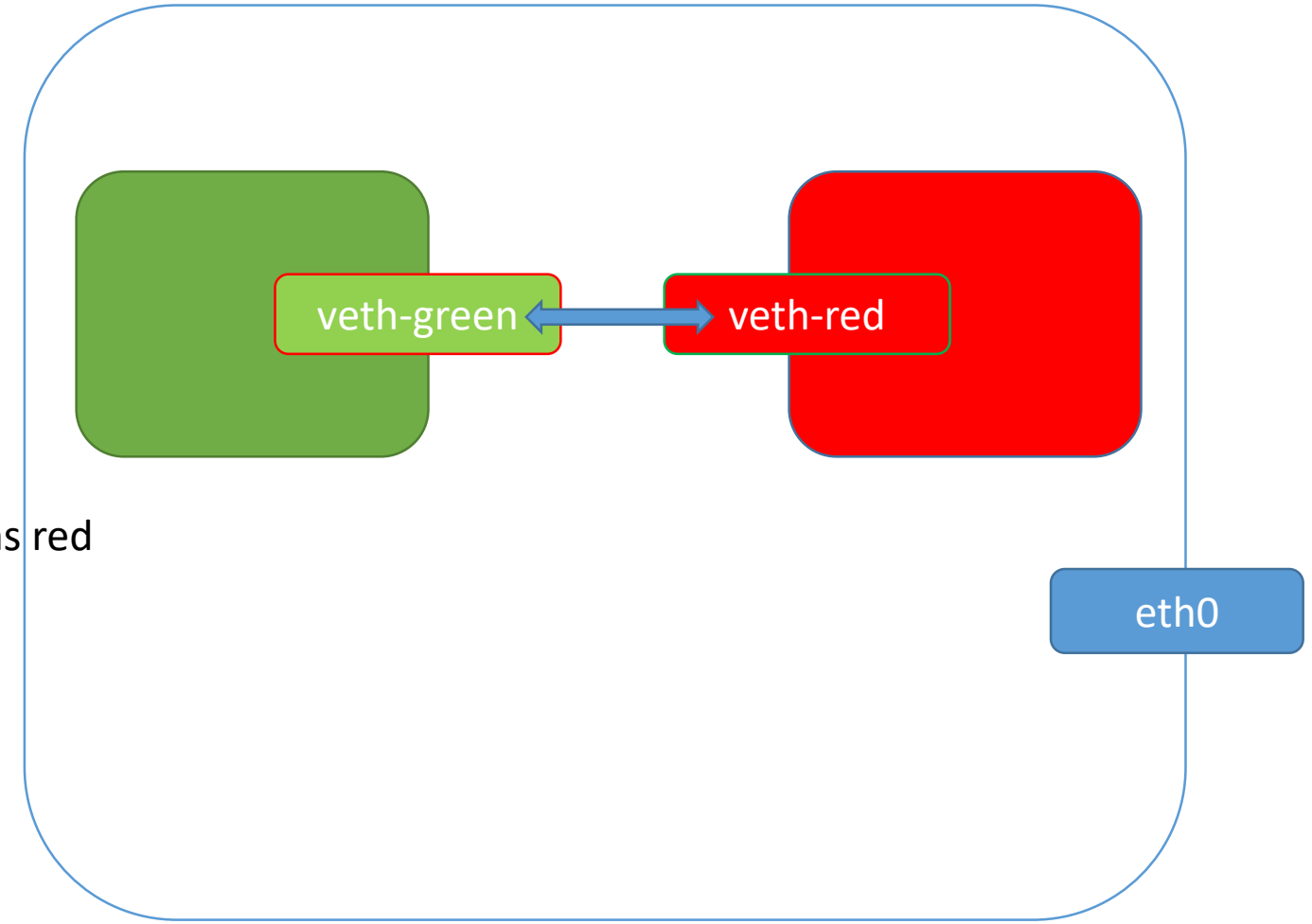


[test@node1 ~]$ sudo ip link add veth-green type veth peer name veth-red

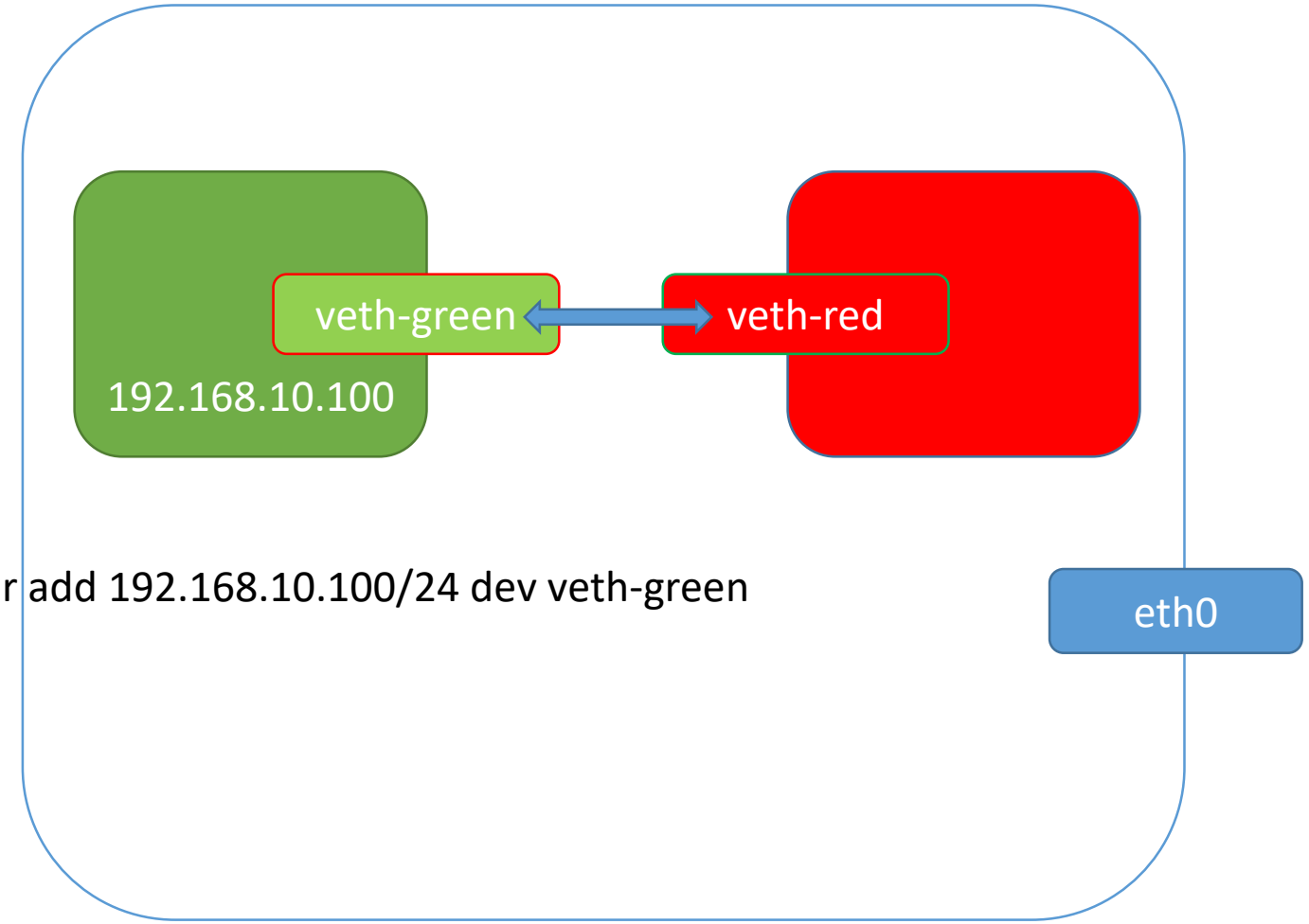
[test@node1 ~]$ sudo ip link set veth-green netns green

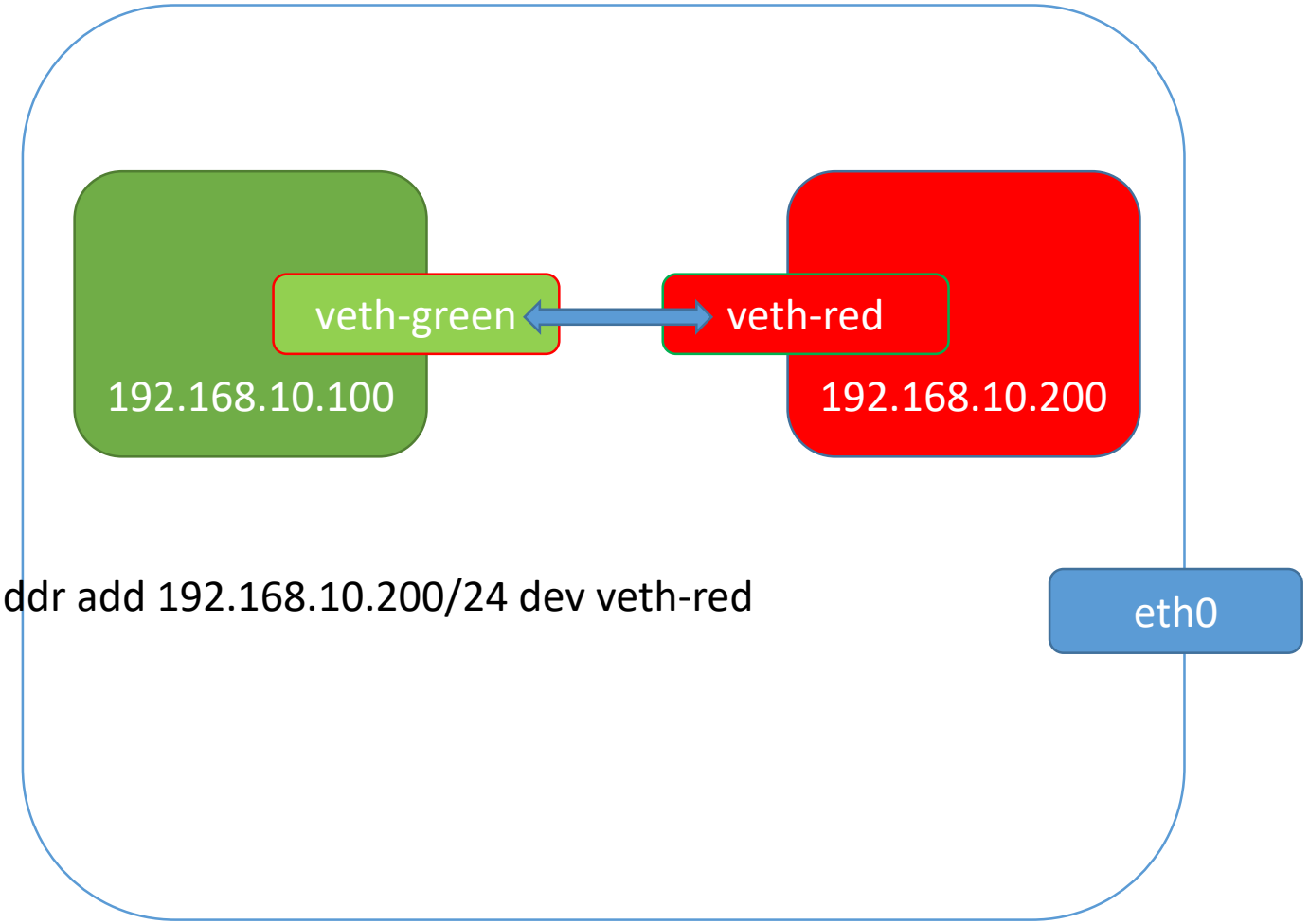


[test@node1 ~]$ sudo ip link set veth-red netns red

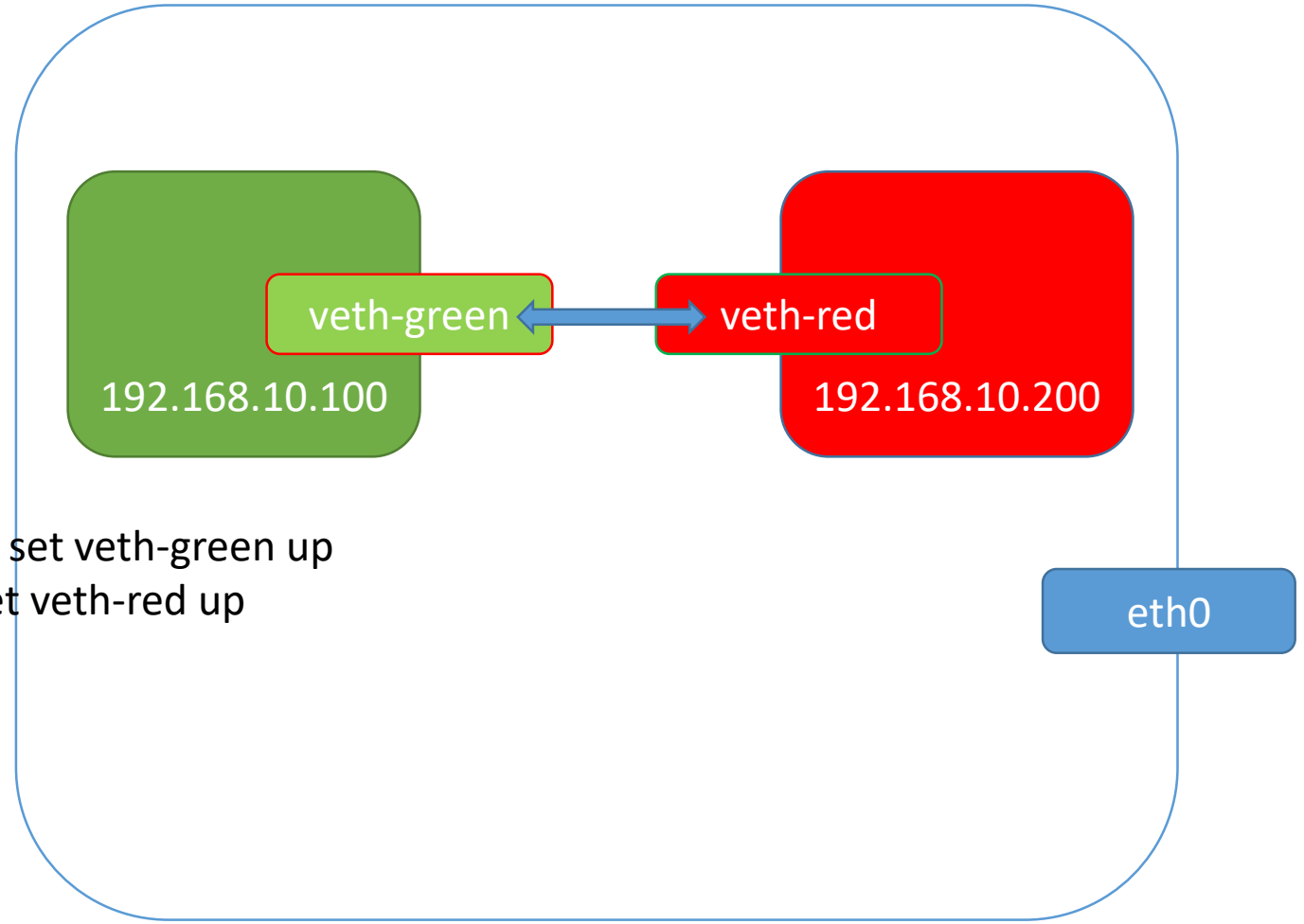


[test@node1 ~]$ sudo ip netns exec green ip addr add 192.168.10.100/24 dev veth-green





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

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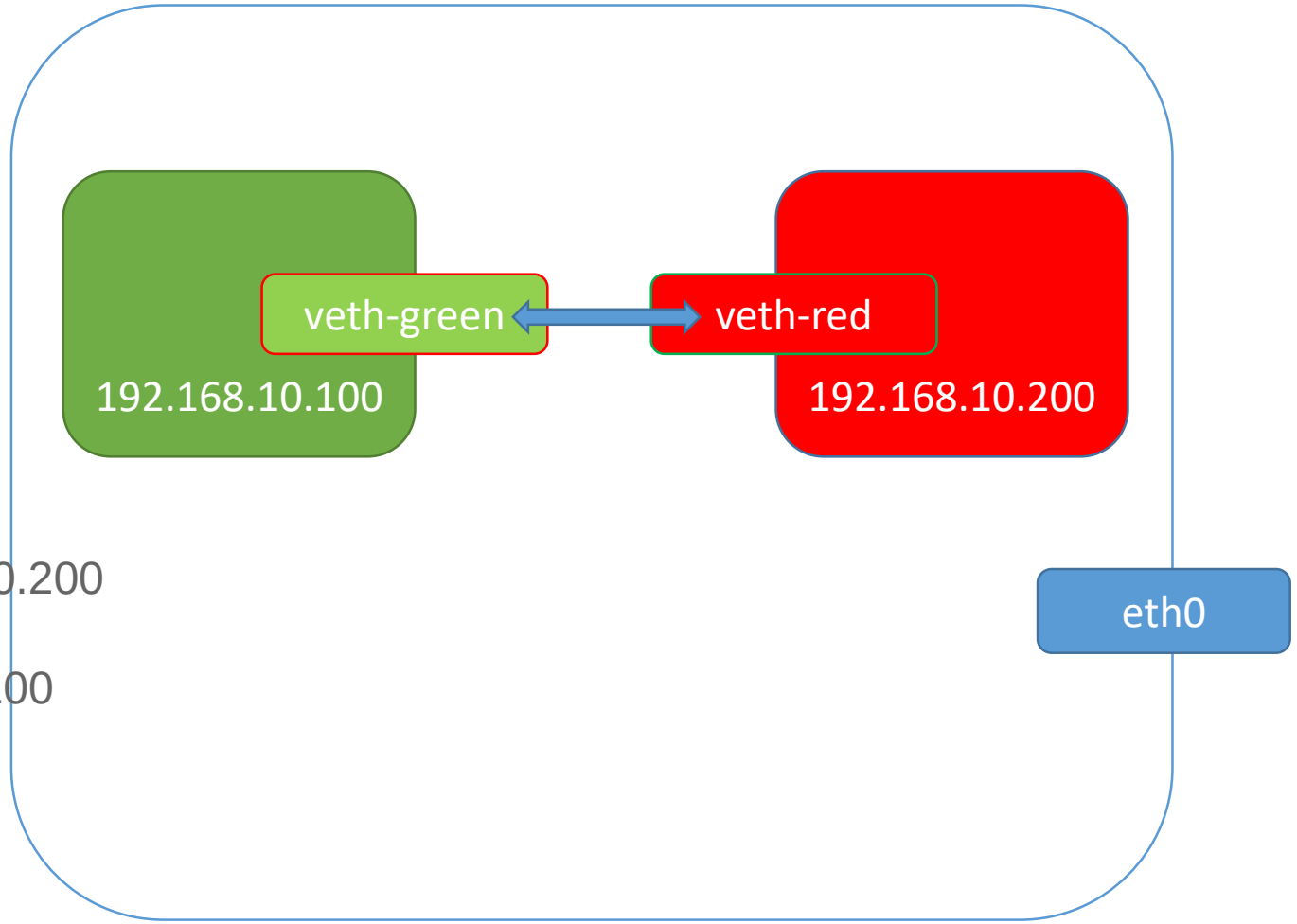
[test@node1 ~]$ sudo ip netns exec green ip link set veth-green up
[test@node1 ~]$ sudo ip netns exec red ip link set veth-red up
```



sudo ip netns exec green ping -c 2 192.168.10.200

sudo ip netns exec red ping -c 2 192.168.10.100