```
ac@myComp: S ip a
1: lo: <LOOPBACK,UP,LOWER UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
      valid lft forever preferred lft forever
    inet6::1/128 scope host
      valid lft forever preferred lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc fq codel state UP group default glen 1000
    link/ether 08:00:27:b7:b8:09 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
      valid lft 86056sec preferred lft 86056sec
    inet6 fe80::5b79:d572:6f04:9b8/64 scope link noprefixroute
      valid lft forever preferred lft forever
ac@myComp:-$ ip netns add testns1
mount --make-shared /run/netns failed: Operation not permitted
ac@myComp:-$ sudo ip netns add testns1
[sudo] пароль для ас:
acomycomp: $ sudo ip netns list
testns1
ac@myComp: $ sudo ip netns exec testns1 bash
root@myComp:/home/ac# ip a
1: lo: <LOOPBACK> mtu 65536 qdisc noop state DOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
root@myComp:/home/ac# exit
exit
acomyComp: $ sudo ip link add veth0 type veth peer name veth1
ac@myComp:=Sipa
1: lo: <LOOPBACK,UP,LOWER UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
      valid lft forever preferred lft forever
    inet6::1/128 scope host
      valid lft forever preferred lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc fg codel state UP group default glen 1000
    link/ether 08:00:27:b7:b8:09 brd ff:ff:ff:ff:ff:ff
   inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
      valid lft 85863sec preferred lft 85863sec
    inet6 fe80::5b79:d572:6f04:9b8/64 scope link noprefixroute
      valid lft forever preferred lft forever
3: veth1@veth0: <BROADCAST,MULTICAST,M-DOWN> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether b6:7d:37:0a:f2:7f brd ff:ff:ff:ff:ff:ff
4: veth0@veth1: <BROADCAST,MULTICAST,M-DOWN> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 2e:04:a4:fe:0e:6d brd ff:ff:ff:ff:ff:ff
acomyComp: S sudo ip link set veth1 neths tesths1
ac@myComp: $ sudo ip aip addr add 10.0.0.1/24 dev veth0
Object "aip" is unknown, try "ip help".
ac@myComp: $ sudo ip addr add 10.0.0.1/24 dev veth0
acomyComp: $ sudo ip link set dev veth0 up
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ac@myComp: $ sudo ip link set veth1 neths testns1
acomyComp: $ sudo ip aip addr add 10.0.0.1/24 dev veth0
Object "aip" is unknown, try "ip help".
acomyComp: $ sudo ip addr add 10.0.0.1/24 dev veth0
ac@myComp: $ sudo ip link set dev veth0 up
ac@myComp:-Sipa
1: lo: <LOOPBACK,UP,LOWER UP> mtu 65536 qdisc noqueue state UNKNOWN group default glen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 scope host lo
      valid lft forever preferred lft forever
    inet6 ::1/128 scope host
      valid lft forever preferred lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc fq codel state UP group default glen 1000
   link/ether 08:00:27:b7:b8:09 brd ff:ff:ff:ff:ff:ff
   inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
      valid lft 85796sec preferred lft 85796sec
   inet6 fe80::5b79:d572:6f04:9b8/64 scope link noprefixroute
      valid lft forever preferred lft forever
4: veth0@if3: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state LOWERLAYERDOWN group default q
    link/ether 2e:04:a4:fe:0e:6d brd ff:ff:ff:ff:ff:ff link-netns testns1
   inet 10.0.0.1/24 scope global veth0
       valid lft forever preferred lft forever
acomyComp: $ sudo ip netns exec testns1 bash
root@myComp:/home/ac# ip a
1: lo: <LOOPBACK> mtu 65536 qdisc noop state DOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
3: veth1@if4: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether b6:7d:37:0a:f2:7f brd ff:ff:ff:ff:ff:ff:ff link-netnsid 0
root@myComp:/home/ac# sudo ip addr add 10.0.0.2/24 dev veth1
root@myComp:/home/ac# sudo ip link set dev veth1 up
root@myComp:/home/ac# ip a
1: lo: <LOOPBACK> mtu 65536 qdisc noop state DOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
3: veth1@if4: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether b6:7d:37:0a:f2:7f brd ff:ff:ff:ff:ff:ff:ff link-netnsid 0
    inet 10.0.0.2/24 scope global veth1
      valid lft forever preferred lft forever
    inet6 fe80::b47d:37ff:fe0a:f27f/64 scope link
       valid lft forever preferred lft forever
root@myComp:/home/ac# exit
exit
ac@myComp: $ ping 10.0.0.2
PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.
64 bytes from 10.0.0.2: icmp seq=1 ttl=64 time=0.074 ms
64 bytes from 10.0.0.2: icmp seq=2 ttl=64 time=0.048 ms
64 bytes from 10.0.0.2: icmp seq=3 ttl=64 time=0.046 ms
--- 10.0.0.2 ping statistics ---
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Вы можете вставить изображение
    link/ether 08:00:27:b7:b8:09 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp
       valid lft 85796sec preferred lft 85796sec
    inet6 fe80::5b79:d572:6f04:9b8/64 scope link noprefixroute
       valid lft forever preferred lft forever
4: veth0@if3: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state LOWERLAYERDOWN group default
    link/ether 2e:04:a4:fe:0e:6d brd ff:ff:ff:ff:ff:ff:ff link-netns testns1
    inet 10.0.0.1/24 scope global veth0
       valid lft forever preferred lft forever
ac@myComp: $ sudo ip netns exec testns1 bash
root@myComp:/home/ac# ip a
1: lo: <LOOPBACK> mtu 65536 qdisc noop state DOWN group default glen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
3: veth1@if4: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether b6:7d:37:0a:f2:7f brd ff:ff:ff:ff:ff:ff:ff link-netnsid 0
root@myComp:/home/ac# sudo ip addr add 10.0.0.2/24 dev veth1
root@myComp:/home/ac# sudo ip link set dev veth1 up
root@myComp:/home/ac# ip a
1: lo: <LOOPBACK> mtu 65536 qdisc noop state DOWN group default glen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
3: veth1@if4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether b6:7d:37:0a:f2:7f brd ff:ff:ff:ff:ff:ff:link-netnsid 0
    inet 10.0.0.2/24 scope global veth1
       valid lft forever preferred lft forever
    inet6 fe80::b47d:37ff:fe0a:f27f/64 scope link
       valid lft forever preferred lft forever
root@myComp:/home/ac# exit
exit
ac@myComp:-$ ping 10.0.0.2
PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.
64 bytes from 10.0.0.2: icmp seq=1 ttl=64 time=0.074 ms
64 bytes from 10.0.0.2: icmp seq=2 ttl=64 time=0.048 ms
64 bytes from 10.0.0.2: icmp seq=3 ttl=64 time=0.046 ms
--- 10.0.0.2 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2050ms
rtt min/avg/max/mdev = 0.046/0.056/0.074/0.012 ms
ac@myComp: $ sudo ip netns exec testns1 bash
root@myComp:/home/ac# ping 10.0.0.1
PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.
64 bytes from 10.0.0.1: icmp seq=1 ttl=64 time=0.034 ms
64 bytes from 10.0.0.1: icmp seq=2 ttl=64 time=0.048 ms
64 bytes from 10.0.0.1: icmp seq=3 ttl=64 time=0.064 ms
--- 10.0.0.1 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2044ms
rtt min/avg/max/mdev = 0.034/0.048/0.064/0.012 ms
root@myComp:/home/ac#
```