
Posted by [lithium](#) on Wed, 22 Jul 2009 11:49:37 GMT

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lo - 127.0.0.1

lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
RX packets:14 errors:0 dropped:0 overruns:0 frame:0
TX packets:14 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:1628 (1.5 KiB) TX bytes:1137 (1.1 KiB)

venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:10.3.128.55 P-t-P:10.3.128.55 Bcast:10.3.128.55 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

```
# ip route list
192.0.2.0/24 dev venet0 scope host
169.254.0.0/16 dev venet0 scope link
default via 192.0.2.1 dev venet0
```

```
# ping 192.0.2.1  
connect: Invalid argument
```

Posted by [maratrus](#) on Wed, 22 Jul 2009 15:33:50 GMT
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Posted by [lithium](#) on Thu, 23 Jul 2009 07:34:30 GMT
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Posted by [maratrus](#) on Thu, 23 Jul 2009 08:14:02 GMT
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Quote:

Quote:

Quote:

Posted by [lithium](#) on Thu, 23 Jul 2009 08:59:16 GMT
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Posted by [maratrus](#) on Thu, 23 Jul 2009 10:28:15 GMT
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Quote:

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Quote:

Posted by [lithium](#) on Thu, 23 Jul 2009 11:16:47 GMT
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Posted by [lithium](#) on Fri, 24 Jul 2009 11:56:55 GMT
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From 10.3.128.50: icmp_seq=1 Redirect Host(New nexthop: 10.3.128.105)

```
ip route add 172.20.0.0/16 via 10.3.128.55 dev venet0  
ip route flush cache
```

```
iptables -A FORWARD -j LOG
```

```
vpn kernel: IN=venet0 OUT= <2>BUG: recent printk recursion!
```

Posted by [lithium](#) on Fri, 24 Jul 2009 12:15:10 GMT
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```
# ip route list
10.3.128.51 dev venet0 scope link
10.3.128.55 dev venet0 scope link
10.3.128.0/24 dev eth0 proto kernel scope link src 10.3.128.50
169.254.0.0/16 dev eth0 scope link
172.20.0.0/16 via 10.3.128.55 dev venet0
default via 10.3.128.105 dev eth0
```

```
172.20.0.2 dev tun0 proto kernel scope link src 172.20.0.1
192.0.2.0/24 dev venet0 scope host
169.254.0.0/16 dev venet0 scope link
172.20.0.0/16 via 172.20.0.2 dev tun0
default via 192.0.2.1 dev venet0
```

Posted by [maratrus](#) on Fri, 24 Jul 2009 12:37:07 GMT
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Quote:

vpn kernel: IN=venet0 OUT= <2>BUG: recent printk recursion!

http://bugzilla.openvz.org/show_bug.cgi?id=1284

Quote:

Posted by [lithium](#) on Fri, 24 Jul 2009 13:27:50 GMT
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> http://bugzilla.openvz.org/show_bug.cgi?id=1284

Posted by [maratrus](#) on Fri, 24 Jul 2009 14:06:13 GMT
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Quote:

Quote:

http://wiki.openvz.org/Differences_between_venet_and_veth
http://wiki.openvz.org/Virtual_network_device

Quote:

Quote:

Quote:

Posted by [Garic1](#) on Sat, 25 Jul 2009 08:14:11 GMT
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Posted by [maratrus](#) on Sat, 25 Jul 2009 10:26:18 GMT
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Quote:

Posted by [lithium](#) on Mon, 27 Jul 2009 06:47:04 GMT
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Posted by [maratrus](#) on Mon, 27 Jul 2009 07:14:12 GMT
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Quote:

Posted by [lithium](#) on Mon, 27 Jul 2009 08:51:34 GMT
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[host-node]# ifconfig veth101.0 0

```
[host-node]# echo 1 > /proc/sys/net/ipv4/conf/veth101.0/forwarding
[host-node]# echo 1 > /proc/sys/net/ipv4/conf/veth101.0/proxy_arp
[host-node]# echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding
[host-node]# echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp
```

```
[host-node]# ip route add 192.168.0.101 dev veth101.0
```

Posted by [maratrus](#) on Mon, 27 Jul 2009 09:19:25 GMT
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Quote:

Posted by [lithium](#) on Mon, 27 Jul 2009 10:21:42 GMT
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bridge".

Posted by [lithium](#) on Mon, 27 Jul 2009 10:51:35 GMT

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"Venet discards ip-packets from container with a source address which is not corresponding to ip-address(es) of the container"

Posted by [maratrus](#) on Wed, 29 Jul 2009 11:20:43 GMT

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[http:// wiki.openvz.org/w/index.php?title=Virtual_Ethernet_device&am
p;diff=5990&oldid=5989#Making_a_veth-device_persistent](http://wiki.openvz.org/w/index.php?title=Virtual_Ethernet_device&p;diff=5990&oldid=5989#Making_a_veth-device_persistent)

Quote:

"Venet discards ip-packets from container with a source address which is not corresponding to ip-address(es) of the container"

Posted by [lithium](#) on Wed, 29 Jul 2009 12:14:59 GMT
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Posted by [RXL_](#) on Wed, 29 Jul 2009 20:17:28 GMT
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Posted by [sen-doc](#) on Thu, 01 Oct 2009 06:08:17 GMT
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```
virbr0  Link encap:Ethernet HWaddr 00:00:00:00:00:00
        inet addr:192.168.122.1 Bcast:192.168.122.255 Mask:255.255.255.0
        inet6 addr: fe80::200:ff:fe00:0/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
        RX packets:0 errors:0 dropped:0 overruns:0 frame:0
        TX packets:1322 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:0 (0.0 b) TX bytes:199580 (194.9 KiB)
```

Posted by [maratrus](#) on Fri, 09 Oct 2009 12:34:35 GMT

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A nice article

http://wiki.openvz.org/Virtual_Ethernet_device

Posted by [basman](#) on Thu, 21 Jan 2010 14:56:30 GMT

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upd:

```
route add -host xx.xx.xx.16 gw xx.xx.xx.15 venet0
```

Posted by [RXL_](#) on Sat, 23 Jan 2010 10:55:20 GMT

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http://wiki.openvz.org/Virtual_Ethernet_device#Virtual_Ethernet_devices_can_be_joined_in_one_bridge

```
HN# brctl addbr br0
HN# brctl addif br0 eth0
```

```
HN# ip link set dev eth0 down
HN# ip address del 10.0.0.1/24 dev eth0
HN# ip -f inet6 address del fe80::280:48ff:fe5d:cb65/64 dev eth0
HN# ip link set dev eth0 up
HN# ip address add 10.0.0.1/24 dev br0
HN# ip link set dev br0 up
```

```
HN# ip route add default via 10.0.0.100
```

```
HN# vzctl set 101 --netif_add eth0
HN# vzctl start 101
HN# brctl addif br0 veth101.0
HN# vzctl enter 101
VE101# ip address add 10.0.0.101/24 dev eth0
VE101# ip link set dev eth0 up
VE101# ip route del default
VE101# ip route add default via 10.0.0.100
```

http://wiki.openvz.org/Virtual_Ethernet_device#syntax_vzctl_version_3E_3.0.22

Quote:bridge is an optional parameter which can be used in custom network start scripts to automatically add the interface to a bridge.
