
Posted by [a.guzhin](#) on Mon, 19 Jan 2015 17:27:08 GMT

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uname -a

2.6.32-042stab102.9 #1 SMP Fri Dec 19 20:34:40 MSK 2014 x86_64 x86_64 x86_64 GNU/Linux

ifconfig:

eth0 Link encap:Ethernet HWaddr 00:0C:29:5B:54:9C
 inet addr:192.XXX.XXX.19 Bcast:192.XXX.XXX.255 Mask:255.255.255.0
 inet6 addr: fe80::20c:29ff:fe5b:549c/64 Scope:Link
 UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
 RX packets:3996 errors:0 dropped:0 overruns:0 frame:0
 TX packets:256 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:1000
 RX bytes:308124 (300.9 KiB) TX bytes:49567 (48.4 KiB)

eth1 Link encap:Ethernet HWaddr 00:0C:29:5B:54:A6
 inet6 addr: fe80::20c:29ff:fe5b:54a6/64 Scope:Link
 UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
 RX packets:3 errors:0 dropped:0 overruns:0 frame:0
 TX packets:16 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:1000
 RX bytes:318 (318.0 b) TX bytes:1104 (1.0 KiB)

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:65536 Metric:1
 RX packets:1278 errors:0 dropped:0 overruns:0 frame:0
 TX packets:1278 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:0
 RX bytes:194737 (190.1 KiB) TX bytes:194737 (190.1 KiB)

venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00

```

inet6 addr: fe80::1/128 Scope:Link
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:3 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

```

```

veth100.0 Link encap:Ethernet HWaddr FE:FF:FF:FF:FF:FF
inet6 addr: fe80::fcff:ffff:feff:ffff/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:3 errors:0 dropped:0 overruns:0 frame:0
TX packets:7 errors:0 dropped:1 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:188 (188.0 b) TX bytes:420 (420.0 b)

```

```

vmbr0 Link encap:Ethernet HWaddr 00:0C:29:5B:54:A6
inet addr:172.XXX.XXX.70 Bcast:172.XXX.XXX.95 Mask:255.255.255.224
inet6 addr: fe80::20c:29ff:fe5b:54a6/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:6 errors:0 dropped:0 overruns:0 frame:0
TX packets:10 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:464 (464.0 b) TX bytes:636 (636.0 b)

```

iptables:

Chain INPUT (policy ACCEPT 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination	state
1191	180K	ACCEPT	all	--	any	any	anywhere	anywhere	state
RELATED,ESTABLISHED									
22	792	ACCEPT	icmp	--	any	any	anywhere	anywhere	
110	6040	ACCEPT	all	--	lo	any	anywhere	anywhere	
2	128	ACCEPT	tcp	--	any	any	anywhere	anywhere	state NEW tcp
dpt:ssh									
0	0	ACCEPT	tcp	--	any	any	anywhere	anywhere	
942	89313	REJECT	all	--	any	any	anywhere	anywhere	reject-with
icmp-host-prohibited									

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination	state
0	0	ACCEPT	tcp	--	any	any	anywhere	anywhere	
3	276	REJECT	all	--	any	any	anywhere	anywhere	reject-with
icmp-host-prohibited									

Chain OUTPUT (policy ACCEPT 21 packets, 1417 bytes)

pkts	bytes	target	prot	opt	in	out	source	destination
1173	200K	ACCEPT	tcp	--	any	any	anywhere	anywhere

```
sysctl -p
net.ipv4.ip_forward = 1
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
kernel.sysrq = 1
kernel.core_uses_pid = 1
net.ipv4.tcp_syncookies = 1
net.bridge.bridge-nf-call-ip6tables = 1
net.bridge.bridge-nf-call-iptables = 1
net.bridge.bridge-nf-call-arptables = 0
kernel.msgmnb = 65536
kernel.msgmax = 65536
kernel.shmmax = 68719476736
kernel.shmall = 4294967296
net.ipv4.conf.default.proxy_arp = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
```

```
bridge name bridge id STP enabled interfaces
vbr0 8000.000c295b54a6 no eth1
veth100.0
```

```
echo 'EXTERNAL_SCRIPT="/usr/sbin/vznetaddbr"' > /etc/vz/vznet.conf
```

```
vzctl create 100 --ostemplate ubuntu-14.04-x86 --config vswap-256m
vzctl set 100 --netif_add eth0,,,FE:FF:FF:FF:FF:FF,vbr0 --save
```

ifconfig:

```
eth0    Link encap:Ethernet  HWaddr 00:18:51:1a:55:24
        inet addr:172.XXX.XXX.71  Bcast:172.XXX.XXX.95  Mask:255.255.255.224
        inet6 addr: fe80::218:51ff:fe1a:5524/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:7 errors:0 dropped:0 overruns:0 frame:0
        TX packets:3 errors:0 dropped:2 overruns:0 carrier:0
```

collisions:0 txqueuelen:0
RX bytes:420 (420.0 B) TX bytes:188 (188.0 B)

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:65536 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)

iptables:

Chain INPUT (policy ACCEPT 14 packets, 1316 bytes)
pkts bytes target prot opt in out source destination

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out source destination

Chain OUTPUT (policy ACCEPT 19 packets, 1736 bytes)
pkts bytes target prot opt in out source destination

sysctl -p
net.ipv4.ip_forward = 1

Posted by [a.guzhin](#) on Wed, 21 Jan 2015 13:59:35 GMT
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HW:

tcpdump -s1500 -i any -vvv -n '(dst host 172.XXX.XXX.71) or (src host 172.XXX.XXX.71)'

tcpdump: listening on any, link-type LINUX_SLL (Linux cooked), capture size 1500 bytes
08:49:03.375589 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 172.XXX.XXX.71 tell

172.XXX.XXX.91, length 46
08:49:03.375602 ARP, Ethernet (len 6), IPv4 (len 4), Reply 172.XXX.XXX.71 is-at
00:18:51:1a:55:24, length 28

ip r l:

172.XXX.XXX.64/27 dev vmbr0 proto kernel scope link src 172.XXX.XXX.70
192.XXX.XXX.0/24 dev eth0 proto kernel scope link src 192.XXX.XXX.19
169.254.0.0/16 dev eth0 scope link metric 1002
169.254.0.0/16 dev vmbr0 scope link metric 1004
default via 192.XXX.XXX.254 dev eth0

VE:

tcpdump -s1500 -i any -vvv -n

tcpdump: listening on any, link-type LINUX_SLL (Linux cooked), capture size 1500 bytes
08:50:03.195426 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 172.XXX.XXX.71 tell
172.XXX.XXX.91, length 46
08:50:03.195440 ARP, Ethernet (len 6), IPv4 (len 4), Reply 172.XXX.XXX.71 is-at
00:18:51:1a:55:24, length 28

ip r l:

172.XXX.XXX.64/27 dev eth0 proto kernel scope link src 172.XXX.XXX.71
