
Subject: How to access internet in container

Posted by [shu7734](#) on Wed, 28 Jan 2015 07:18:59 GMT

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I try todo Using_NAT_for_container_with_private_IPs from Openvz Wiki page

```
/etc/modprobe.d/openvz.conf
options nf_conntrack ip_conntrack_disable_ve0=0
```

```
/etc/sysctl.conf
net.ipv4.ip_forward = 1
net.ipv4.conf.default.forwarding=1
net.ipv4.conf.all.forwarding=1
```

and reboot

```
iptables -F -t nat
iptables -P FORWARD ACCEPT
iptables -t nat -A POSTROUTING -s 10.0.0.0/24 -o eth0 -j SNAT --to 61.x.x.x
iptables -t nat -A POSTROUTING -o eth0 -j SNAT --to 61.x.x.x
iptables -A FORWARD -s 10.0.0.0/24 -j ACCEPT
iptables -A FORWARD -d 10.0.0.0/24 -j ACCEPT
```

i try

```
vzctl exec 110 ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
From 61.x.x.x icmp_seq=1 Destination Host Prohibited
From 61.x.x.x icmp_seq=2 Destination Host Prohibited
From 61.x.x.x icmp_seq=3 Destination Host Prohibited
From 61.x.x.x icmp_seq=4 Destination Host Prohibited
^C
```

i find iptables log

```
Jan 28 14:37:55 localhost kernel: [18835.606206] TRACE: raw:OUTPUT:policy:2 IN=
OUT=venet0 SRC=61.x.x.x DST=10.0.0.110 LEN=112 TOS=0x00 PREC=0xC0 TTL=64 ID=1462
PROTO=ICMP TYPE=3 CODE=10 [SRC=10.0.0.110 DST=8.8.8.8 LEN=84 TOS=0x00
PREC=0x00 TTL=64 ID=0 DF PROTO=ICMP TYPE=8 CODE=0 ID=64257 SEQ=3 ]
Jan 28 14:37:55 localhost kernel: [18835.606230] TRACE: mangle:OUTPUT:policy:1 IN=
OUT=venet0 SRC=61.x.x.x DST=10.0.0.110 LEN=112 TOS=0x00 PREC=0xC0 TTL=64 ID=1462
PROTO=ICMP TYPE=3 CODE=10 [SRC=10.0.0.110 DST=8.8.8.8 LEN=84 TOS=0x00
PREC=0x00 TTL=64 ID=0 DF PROTO=ICMP TYPE=8 CODE=0 ID=64257 SEQ=3 ]
Jan 28 14:37:55 localhost kernel: [18835.606241] TRACE: filter:OUTPUT:rule:2 IN= OUT=venet0
SRC=61.x.x.x DST=10.0.0.110 LEN=112 TOS=0x00 PREC=0xC0 TTL=64 ID=1462
PROTO=ICMP TYPE=3 CODE=10 [SRC=10.0.0.110 DST=8.8.8.8 LEN=84 TOS=0x00
PREC=0x00 TTL=64 ID=0 DF PROTO=ICMP TYPE=8 CODE=0 ID=64257 SEQ=3 ]
Jan 28 14:37:55 localhost kernel: [18835.606250] TRACE: mangle:POSTROUTING:policy:1 IN=
```

OUT=venet0 SRC=61.191.56.154 DST=10.0.0.110 LEN=112 TOS=0x00 PREC=0xC0 TTL=64 ID=1462 PROTO=ICMP TYPE=3 CODE=10 [SRC=10.0.0.110 DST=8.8.8.8 LEN=84 TOS=0x00 PREC=0x00 TTL=64 ID=0 DF PROTO=ICMP TYPE=8 CODE=0 ID=64257 SEQ=3]

#iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L

Chain PREROUTING (policy ACCEPT)

target	prot	opt	source	destination
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Chain POSTROUTING (policy ACCEPT)

target	prot	opt	source	destination
SNAT	all	--	10.0.0.0/24	anywhere to:61.x.x.x

Chain OUTPUT (policy ACCEPT)

target	prot	opt	source	destination
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Chain INPUT (policy ACCEPT)

target	prot	opt	source	destination	
ACCEPT	all	--	anywhere	anywhere	state RELATED,ESTABLISHED
ACCEPT	icmp	--	anywhere	anywhere	
ACCEPT	all	--	anywhere	anywhere	
ACCEPT	tcp	--	anywhere	anywhere	state NEW tcp dpt:ssh
ACCEPT	tcp	--	10.0.0.0/24	anywhere	state NEW tcp dpt:mysql
ACCEPT	tcp	--	anywhere	anywhere	state NEW tcp dpt:upnotifyps
ACCEPT	tcp	--	anywhere	anywhere	state NEW tcp dpt:http
ACCEPT	tcp	--	anywhere	anywhere	state NEW tcp dpt:xsync
ACCEPT	tcp	--	anywhere	anywhere	tcp dpts:ndmp:trisoap
REJECT	all	--	anywhere	anywhere	reject-with icmp-host-prohibited

Chain FORWARD (policy ACCEPT)

target	prot	opt	source	destination	
REJECT	all	--	anywhere	anywhere	reject-with icmp-host-prohibited
ACCEPT	all	--	10.0.0.0/24	anywhere	
ACCEPT	all	--	anywhere	10.0.0.0/24	

Chain OUTPUT (policy ACCEPT)

target	prot	opt	source	destination	
ACCEPT	tcp	--	anywhere	anywhere	tcp spts:ndmp:trisoap

Chain PREROUTING (policy ACCEPT)

target	prot	opt	source	destination
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Chain INPUT (policy ACCEPT)

target	prot	opt	source	destination
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Chain FORWARD (policy ACCEPT)

target	prot	opt	source	destination
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Chain OUTPUT (policy ACCEPT)

target prot opt source destination

Chain POSTROUTING (policy ACCEPT)

target prot opt source destination

all container cann't access internet
