
Posted by [falcon92](#) on Fri, 22 Apr 2011 23:51:28 GMT
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```
# iptables -t nat -A POSTROUTING -o eth1 -j MASQUERADE
```

81, 82.

```
# iptables -t nat -A PREROUTING -p tcp -d $ExtIp --dport 80 -i eth0 -j DNAT --to-destination  
192.168.0.1:80  
# iptables -t nat -A POSTROUTING -s 192.168.0.1 -o eth0 -j SNAT --to $ExtIp
```

```
# service firewall start
```

Quote:

```
root@sysadmin:~# service firewall start
Starting firewall...
Firewall: Purging and allowing all traffic...success
Firewall: Setting default policies to DROP...success
Firewall: Allowing access to HN
    port 53...success
    port 80...success
    port 443...success
    port 8080...success
    DMZ 12.34.56.78...success
    DMZ $ExtIp...success
    DMZ 127.0.0.1...success
    DMZ localhost...success
```

```
# service firewall status
```

Quote:

```
root@sysadmin:~# service firewall status
Chain INPUT (policy DROP)
target  prot opt source          destination
ACCEPT  all  --  127.0.0.1        0.0.0.0/0
ACCEPT  all  --  127.0.0.1        0.0.0.0/0
ACCEPT  all  --  $ExtIp          0.0.0.0/0
ACCEPT  all  --  12.34.56.78     0.0.0.0/0
ACCEPT  udp  --  192.168.0.0/24  $ExtIp      udp dpt:8080
ACCEPT  tcp  --  192.168.0.0/24  $ExtIp      tcp dpt:8080
ACCEPT  udp  --  192.168.0.0/24  $ExtIp      udp dpt:443
ACCEPT  tcp  --  192.168.0.0/24  $ExtIp      tcp dpt:443
ACCEPT  udp  --  192.168.0.0/24  $ExtIp      udp dpt:80
ACCEPT  tcp  --  192.168.0.0/24  $ExtIp      tcp dpt:80
ACCEPT  udp  --  192.168.0.0/24  $ExtIp      udp dpt:53
ACCEPT  tcp  --  192.168.0.0/24  $ExtIp      tcp dpt:53
ACCEPT  all  --  0.0.0.0/0       0.0.0.0/0
ACCEPT  all  --  0.0.0.0/0       0.0.0.0/0      state RELATED,ESTABLISHED
```

Chain FORWARD (policy DROP)

```
target  prot opt source          destination
ACCEPT  all  --  127.0.0.1        0.0.0.0/0
ACCEPT  all  --  127.0.0.1        0.0.0.0/0
ACCEPT  all  --  $ExtIp          0.0.0.0/0
ACCEPT  all  --  12.34.56.78     0.0.0.0/0
ACCEPT  all  --  192.168.0.0/24  0.0.0.0/0
ACCEPT  all  --  0.0.0.0/0       0.0.0.0/0      state RELATED,ESTABLISHED
```

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

Quote:

```
root@sysadmin:~# ifconfig
```

```
eth0 Link encap:Ethernet HWaddr 00:06:1b:cf:73:de
inet addr:84.*.*.226 Bcast:84.*.*.255 Mask:255.255.255.0
inet6 addr: fe80::206:1bff:fecf:73de/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:41397 errors:0 dropped:0 overruns:0 frame:0
TX packets:9918 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:11144167 (11.1 MB) TX bytes:1721965 (1.7 MB)
```

```
eth1 Link encap:Ethernet HWaddr 00:0c:f1:4b:0b:bf
UP BROADCAST MULTICAST MTU:1500 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:1000
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
```

```
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:3800 errors:0 dropped:0 overruns:0 frame:0
TX packets:3800 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:501298 (501.2 KB) TX bytes:501298 (501.2 KB)
```

```
venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
RX packets:758 errors:0 dropped:0 overruns:0 frame:0
TX packets:1114 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:130952 (130.9 KB) TX bytes:130405 (130.4 KB)
```

Quote:

```
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:6 errors:0 dropped:0 overruns:0 frame:0
TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
```

```
collisions:0 txqueuelen:0
RX bytes:300 (300.0 B) TX bytes:300 (300.0 B)
```

```
venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
RX packets:1114 errors:0 dropped:0 overruns:0 frame:0
TX packets:758 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:130405 (130.4 KB) TX bytes:130952 (130.9 KB)
```

```
venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:192.168.0.101 P-t-P:192.168.0.101 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

Quote:

```
root@test:/# cat /etc/network/interfaces
# This configuration file is auto-generated.
# WARNING: Do not edit this file, your changes will be lost.
# Please create/edit /etc/network/interfaces.head and /etc/network/interfaces.tail instead,
# their contents will be inserted at the beginning and at the end
# of this file, respectively.
#
# NOTE: it is NOT guaranteed that the contents of /etc/network/interfaces.tail
# will be at the very end of this file.
```

```
# Auto generated lo interface
auto lo
iface lo inet loopback
```

```
# Auto generated venet0 interface
auto venet0
iface venet0 inet manual
up ifconfig venet0 up
up ifconfig venet0 0
up route add default dev venet0
down route del default dev venet0
down ifconfig venet0 down
```

```
auto venet0:0
iface venet0:0 inet static
address 192.168.0.101
netmask 255.255.255.255
```

Posted by [sHaggY_caT](#) on Tue, 26 Apr 2011 05:12:57 GMT

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```
iptables-save | grep pri.vate.ip.add
-A PREROUTING -d ext.ip.add.r -i eth0 -p tcp -m tcp --dport 143 -j DNAT --to-destination
pri.vate.ip.add:143
-A PREROUTING -d ext.ip.add.r -i eth0 -p tcp -m tcp --dport 25 -j DNAT --to-destination
pri.vate.ip.add:25
-A PREROUTING -d ext.ip.add.r -i eth0 -p tcp -m tcp --dport 220 -j DNAT --to-destination
pri.vate.ip.add:220
-A PREROUTING -d ext.ip.add.r -i eth0 -p tcp -m tcp --dport 993 -j DNAT --to-destination
pri.vate.ip.add:993
-A PREROUTING -d ext.ip.add.r -i eth0 -p tcp -m tcp --dport 585 -j DNAT --to-destination
pri.vate.ip.add:585
-A PREROUTING -d ext.ip.add.r -i eth0 -p tcp -m tcp --dport 110 -j DNAT --to-destination
pri.vate.ip.add:110
-A PREROUTING -d ext.ip.add.r -i eth0 -p tcp -m tcp --dport 995 -j DNAT --to-destination
pri.vate.ip.add:995
-A FORWARD -s pri.vate.ip.add -o eth0 -p tcp -m tcp --dport 25 -j ACCEPT
-A FORWARD -s pri.vate.ip.add -o eth0 -p tcp -m tcp --dport 25 -j DROP
-A FORWARD -s pri.vate.ip.add -d pri.vate2.ip.add -j ACCEPT
-A FORWARD -s pri.vate2.ip.add -d pri.vate.ip.add -j ACCEPT
-A FORWARD -d pri.vate.ip.add -p tcp -m tcp --dport 143 -j ACCEPT
-A FORWARD -d pri.vate.ip.add -p tcp -m tcp --dport 25 -j ACCEPT
-A FORWARD -d pri.vate.ip.add -p tcp -m tcp --dport 220 -j ACCEPT
-A FORWARD -d pri.vate.ip.add -p tcp -m tcp --dport 993 -j ACCEPT
-A FORWARD -d pri.vate.ip.add -p tcp -m tcp --dport 585 -j ACCEPT
-A FORWARD -d pri.vate.ip.add -p tcp -m tcp --dport 110 -j ACCEPT
-A FORWARD -d pri.vate.ip.add -p tcp -m tcp --dport 995 -j ACCEPT
-A FORWARD -s 10.0.5.75 -d pri.vate.ip.add -j ACCEPT
-A FORWARD -s pri.vate.ip.add -d 10.0.5.75 -j ACCEPT
-A FORWARD -s pri.vate2.ip.add -d pri.vate.ip.add -j ACCEPT
-A FORWARD -s pri.vate.ip.add -d pri.vate2.ip.add -j ACCEPT
```

```
-A FORWARD -s pri.vate3.ip.add -d pri.vate.ip.add -j ACCEPT
-A FORWARD -s pri.vate.ip.add -d pri.vate3.ip.add -j ACCEPT
-A FORWARD -s pri.vate4.ip.add -d pri.vate.ip.add -j ACCEPT
-A FORWARD -s pri.vate.ip.add -d pri.vate4.ip.add -j ACCEPT
-A FORWARD -s pri.vate.ip.add -o eth0 -j ACCEPT
-A FORWARD -s pri.vate.ip.add -j DROP
-A FORWARD -d pri.vate.ip.add -j DROP
```

Posted by [falcon92](#) on Tue, 26 Apr 2011 08:00:28 GMT

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ExtIp - IP HN?

Posted by [sHaggY_caT](#) on Tue, 26 Apr 2011 09:20:03 GMT

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falcon92 wrote on Tue, 26 April 2011 04:00ExtIp - IP HN?

Posted by [falcon92](#) on Sun, 01 May 2011 10:11:04 GMT

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Posted by [sHaggY_caT](#) on Sun, 01 May 2011 10:31:28 GMT

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Module	Size	Used by
tun	23296	6
vzethdev	16524	0
vznetdev	22280	48
simfs	10092	24
exportfs	9728	1 simfs
sunrpc	153656	24
vzdquota	44444	25 simfs,[permanent]
vzmon	50060	25 vznetdev
vzdev	7556	6 vzethdev,vznetdev,vzdquota,vzmon
xt_length	6016	0
ipt_ttl	5888	0
xt_tcpmss	6272	0
ipt_TCPMSS	8064	0
iptables_mangle	8576	24
xt_multiport	7168	0
xt_limit	6656	0
ipt_tos	5760	0
ipt_REJECT	10244	0
ipv6	295580	170
xfrm_nalگو	13316	1 ipv6
crypto_api	12544	1 xfrm_nalگو
autofs4	30980	7
f71882fg	13960	0
xt_state	6144	13
xt_tcpudp	7040	138
iptables_nat	13452	4
ip_nat	22160	1 iptables_nat
ip_conntrack	60740	4 xt_state,iptables_nat,ip_nat
nfnetlink	10648	2 ip_nat,ip_conntrack
iptables_filter	8576	28
ip_tables	18760	3 iptables_mangle,iptables_nat,iptables_filter
x_tables	19204	12

```

xt_length,ipt_ttl,xt_tcpmss,ipt_TCPMSS,xt_multiport,xt_limit,ipt_tos,ipt_REJECT,xt_state,xt_tcpud
p,iptable_nat,ip_tables
dm_multipath      25356 0
scsi_dh           12032 1 dm_multipath
video            21640 0
backlight        9984 1 video
sbs              18468 0
power_meter      16396 0
hwmon            7300 2 f71882fg,power_meter
i2c_ec           8960 1 sbs
dell_wmi         8336 0
wmi              12072 1 dell_wmi
container        8320 0
button           10512 0
battery          13700 0
asus_acpi        19480 0
ac               9092 0
parport_pc       29092 0
lp               16168 0
parport          37960 2 parport_pc,lp
sg               36396 0
snd_hda_intel    518764 0
snd_seq_dummy    7812 0
snd_seq_oss      33024 0
snd_seq_midi_event 10880 1 snd_seq_oss
snd_seq          52080 5 snd_seq_dummy,snd_seq_oss,snd_seq_midi_event
snd_seq_device   11660 3 snd_seq_dummy,snd_seq_oss,snd_seq
snd_pcm_oss      43264 0
snd_mixer_oss    19072 1 snd_pcm_oss
r8169            43012 0
mii              9216 1 r8169
snd_pcm          73476 2 snd_hda_intel,snd_pcm_oss
i2c_i801         11788 0
pcspkr           7040 0
snd_timer        25220 2 snd_seq,snd_pcm
snd_page_alloc   14344 2 snd_hda_intel,snd_pcm
i2c_core         24704 2 i2c_ec,i2c_i801
snd_hwdep        13060 1 snd_hda_intel
snd              56964 9
snd_hda_intel,snd_seq_oss,snd_seq,snd_seq_device,snd_pcm_oss,snd_mixer_oss,snd_pcm,sn
d_timer,snd_hwdep
soundcore        11488 1 snd
serio_raw        10628 0
tpm_tis          16648 0
tpm              19232 1 tpm_tis
tpm_bios         10496 1 tpm
dm_raid45        67208 0
dm_message       6912 1 dm_raid45

```


dm_region_hash	15616	1	dm_raid45
dm_mem_cache	9472	1	dm_raid45
dm_snapshot	23588	0	
dm_zero	6144	0	
dm_mirror	24328	0	
dm_log	14592	3	dm_raid45,dm_region_hash,dm_mirror
dm_mod	63416	15	dm_multipath,dm_raid45,dm_snapshot,dm_zero,dm_mirror,dm_log
ahci	38412	4	
libata	157636	1	ahci
sd_mod	25344	6	
scsi_mod	144724	4	scsi_dh,sg,libata,sd_mod
raid1	25472	2	
ext3	126216	4	
jbd	62760	1	ext3
uhci_hcd	25356	0	
ohci_hcd	24872	0	
ehci_hcd	33932	0	

Posted by [falcon92](#) on Sun, 01 May 2011 13:37:11 GMT

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Module	Size	Used by
vzethdev	6349	0
vznetdev	12414	6
simfs	2561	3
vzrst	111550	0
vzcpt	96205	0
vzdquota	32047	3 [permanent]
vzmon	14649	7 vzethdev,vznetdev,vzrst,vzcpt
vzdev	1703	4 vzethdev,vznetdev,vzdquota,vzmon
ipt_REDIRECT	1366	0
nf_nat_irc	1316	0
nf_nat_ftp	2452	0
iptable_nat	4703	0
nf_nat	15980	4 ipt_REDIRECT,nf_nat_irc,nf_nat_ftp,iptable_nat
xt_helper	995	0
nf_conntrack_irc	3949	1 nf_nat_irc
nf_conntrack_ftp	9435	1 nf_nat_ftp
xt_length	904	0
ipt_LOG	4359	0
xt_hl	1037	0
xt_tcpmss	1101	0
xt_TCPMSS	2499	0

```

xt_DSCP          1991 0
xt_dscp          1403 0
xt_multiport    1930 0
xt_limit        1250 0
iptables_mangle 2643 0
ipv6            225012 46 vzrst,vzcpt
cpufreq_powersave 786 0
fuse           48927 16
snd_intel8x0    22599 0
snd_ac97_codec  88758 1 snd_intel8x0
ac97_bus        902 1 snd_ac97_codec
snd_pcm_oss     29209 0
snd_mixer_oss   11046 1 snd_pcm_oss
snd_pcm         54938 3 snd_intel8x0,snd_ac97_codec,snd_pcm_oss
radeon          421483 2
ttm             29769 1 radeon
snd_seq_dummy   1266 0
drm_kms_helper  20877 1 radeon
nsc_ircc        11360 0
ipw2100         56456 0
parport_pc      15311 0
drm             128411 4 radeon,ttm,drm_kms_helper
snd_seq_oss     22376 0
video           16352 0
parport         17993 1 parport_pc
libipw          20664 1 ipw2100
i2c_algo_bit    4073 1 radeon
snd_seq_midi_event 4958 1 snd_seq_oss
thinkpad_acpi   51631 0
i2c_core        21748 3 radeon,drm,i2c_algo_bit
snd_seq         39378 5 snd_seq_dummy,snd_seq_oss,snd_seq_midi_event
snd_timer       14658 2 snd_pcm,snd_seq
snd_seq_device  4679 3 snd_seq_dummy,snd_seq_oss,snd_seq
snd             41965 9
snd_intel8x0,snd_ac97_codec,snd_pcm_oss,snd_mixer_oss,snd_pcm,snd_seq_oss,snd_seq,snd
_timer,snd_seq_device
output          1605 1 video
soundcore       4835 1 snd
snd_page_alloc  5973 2 snd_intel8x0,snd_pcm
yenta_socket    19341 1
irda            90822 1 nsc_ircc
rfkill          13017 2 thinkpad_acpi
rsrc_nonstatic  7902 1 yenta_socket
crc_ccitt       1225 1 irda
lib80211        4062 1 libipw
reiserfs        189622 1
usb_storage     34260 3

```

```
falcon@sysadmin:~$ ls /lib/modules/`uname -r`/kernel/net/ -R | grep xt_  
xt_CLASSIFY.ko  
xt_cluster.ko  
xt_comment.ko  
xt_connbytes.ko  
xt_connlimit.ko  
xt_connmark.ko  
xt_CONNMARK.ko  
xt_dccp.ko  
xt_dscp.ko  
xt_DSCP.ko  
xt_esp.ko  
xt_hashlimit.ko  
xt_helper.ko  
xt_hl.ko  
xt_HL.ko  
xt_iprange.ko  
xt_LED.ko  
xt_length.ko  
xt_limit.ko  
xt_mac.ko  
xt_mark.ko  
xt_MARK.ko  
xt_multiport.ko  
xt_NFLOG.ko  
xt_NFQUEUE.ko  
xt_NOTRACK.ko  
xt_osf.ko  
xt_owner.ko  
xt_physdev.ko  
xt_pkttype.ko  
xt_policy.ko  
xt_quota.ko  
xt_rateest.ko  
xt_RATEEST.ko  
xt_realm.ko  
xt_recent.ko  
xt_sctp.ko  
xt_socket.ko  
xt_statistic.ko  
xt_string.ko
```

xt_tcpmss.ko
xt_TCPMSS.ko
xt_TCPOPTSTRIP.ko
xt_time.ko
xt_TPROXY.ko
xt_TRACE.ko
xt_u32.ko

wiki.openvz.org/Using_NAT_for_container_with_private_IPs#External_Links

Quote:Note: If you get any errors relating to:

iptables: No chain/target/match by that name double check to see if you have all the iptables/netfilter modules loaded properly. I had to modprobe xt_tcpudp before getting it to work.