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
iptable_mangle         8576  24
xt_multiport           7168  0
xt_limit               6656  0
ipt_tos                5760  0
ipt_REJECT             10244  0
ipv6                   295580  170
xfrm_nalgo             13316  1 ipv6
crypto_api             12544  1 xfrm_nalgo
autofs4                30980  7
f71882fg               13960  0
xt_state               6144  13
xt_tcpudp              7040  138
iptable_nat            13452  4
ip_nat                 22160  1 iptable_nat
ip_conntrack           60740  4 xt_state,iptable_nat,ip_nat
nfnetlink              10648  2 ip_nat,ip_conntrack
iptable_filter         8576  28
ip_tables              18760  3 iptable_mangle,iptable_nat,iptable_filter
x_tables               19204  12
```

xt_length,ipt_ttl,xt_tcpmss,ipt_TCPMSS,xt_multiport,xt_limit,ipt_tos,ipt_REJECT,xt_state,xt_tcpudp,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,snd_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
iptable_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#Ext ernal_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.