


```
ipt_SAME, ipt_REDIRECT, ipt_NETMAP, ipt_MASQUERADE, ip_nat_irc, ip_nat_tftp, ip_nat_ftp
ip_conntrack          37420 15
ipt_SAME, ipt_REDIRECT, ipt_NETMAP, ipt_MASQUERADE, ipt_helper, i
pt_conntrack, ip_nat_irc, ip_nat_tftp, ip_nat_ftp, ip_conntrack_
irc, ip_conntrack_tftp, ip_conntrack_ftp, iptable_nat, ipt_state
iptables_filter       4384 8
ip_tables             22064 26 iptable_mangle, ipt_ttl, ipt_TOS, ipt_tos, ipt_TCPMSS, ipt_tcpmss
, ipt_SAME, ipt_REDIRECT, ipt_recent, ipt_NETMAP, ipt_multiport, i
pt_MASQUERADE, ipt_MARK, ipt_mark, ipt_mac, ipt_LOG, ipt_limit, ip
t_length, ipt_iprange, ipt_helper, ipt_conntrack, ipt_CLASSIFY, i
ptable_nat, ipt_REJECT, ipt_state, iptable_filter
```

```
cat /etc/sysconfig/vz | grep iptab
```

```
IPTABLES="ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle ipt_TCPMSS
ipt_tcpmss ipt_ttl ipt_length iptable_nat ipt_REDIRECT ipt_conntrack ip_conntrack"
```

```
uname -r
2.6.8-022stab077.1-smp
```

in the VPS:

```
iptables -t nat -nL
Chain PREROUTING (policy ACCEPT)
target prot opt source destination
```

```
Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
```

```
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

thanks in advance for any solution

Subject: Re: OpenVPN in VPS : Masquerade
Posted by [rickb](#) on Fri, 08 Jun 2007 16:14:40 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi. I have the same question as this poster. Is masquerade available in the VE context, ie:

```
#iptables -t nat -A POSTROUTING -s 10.8.0.0/24 -o venet0 -j MASQUERADE
```

Subject: Re: OpenVPN in VPS : Masquerade
Posted by [curx](#) on Mon, 11 Jun 2007 05:15:29 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

iptables "MASQUERADE" isn't virtualized,
only listed iptables modules can be used in VE context:
(see man-page of vzctl)

iptables_filter, iptable_mangle, ipt_limit, ipt_multiport,
ipt_tos, ipt_TOS, ipt_REJECT, ipt_TCPMSS, ipt_tcpmss,
ipt_ttl, ipt_LOG, ipt_length, ip_conntrack, ip_conntrack_ftp,
ip_conntrack_irc, ipt_conntrack, ipt_state, ipt_helper,
iptables_nat, ip_nat_ftp, ip_nat_irc, ipt_REDIRECT xt_mac.

Subject: Re: OpenVPN in VPS : Masquerade
Posted by [Vasily Tarasov](#) on Thu, 14 Jun 2007 09:41:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thorsten is right, Masquerading is not virtualized at the moment. You can fill an enhancement bug report at bugzilla.openvz.org and some time we probably will virtualize this module.

Thanks,
Vasily.

Subject: Re: *SOLVED* OpenVPN in VPS : Masquerade
Posted by [tomfra](#) on Tue, 23 Oct 2007 23:52:44 GMT
[View Forum Message](#) <> [Reply to Message](#)

Is there some workaround for this problem? When I run:

```
iptables -t nat -A POSTROUTING -s 10.8.0.0/24 -o venet0 -j MASQUERADE
```

on the VPS where I've just installed OpenVPN, I get this error:

```
iptables: Unknown error 18446744073709551615
```

I suppose it's related to the described problem? Everything else in my OpenVPN setup works.

Tomas

Subject: Re: OpenVPN in VPS : Masquerade

Posted by [cosminnci](#) on Mon, 28 Sep 2009 18:54:24 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

I have the same problem

```
iptables -t nat -A POSTROUTING -s 10.8.0.0/24 -o venet0 -j MASQUERADE
```

how to rewrite this rule?

so far i read

"You can configure many to one NAT to an IP alias, using the POSTROUTING and not the MASQUERADE statement."

Subject: Re: ***SOLVED*** OpenVPN in VPS : Masquerade
Posted by [cosminnci](#) on Mon, 28 Sep 2009 20:18:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

```
iptables -t nat -A PREROUTING -i tun0 -j DNAT --to-destination container.ip
```

this worked for me

Subject: Re: ***SOLVED*** OpenVPN in VPS : Masquerade
Posted by [napo93290](#) on Thu, 19 Nov 2009 20:02:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

Quote:

```
iptables -t nat -A PREROUTING -i tun0 -j DNAT --to-destination container.ip
```

With "to-destination container.ip" replaced by the IP of venet0 ??

I have this :

```
20:57 root@SRV-DEB-VPS /boot# iptables -t nat -A PREROUTING -i tun0 -j DNAT --95.211.xx.xx
```

```
iptables v1.4.2: Unknown arg `(null)'  
Try `iptables -h' or 'iptables --help' for more information.  
zsh: exit 2 iptables -t nat -A PREROUTING -i tun0 -j DNAT --95.211.xx.xx
```

Subject: Re: ***SOLVED*** OpenVPN in VPS : Masquerade
Posted by [Rene](#) on Tue, 22 Nov 2011 06:56:37 GMT
[View Forum Message](#) <> [Reply to Message](#)

Another good question unanswered

Subject: Re: ***SOLVED*** OpenVPN in VPS : Masquerade
Posted by [x100](#) on Sat, 18 Feb 2012 07:02:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

Just make the rule complete:

```
iptables -t nat -A PREROUTING -i tun0 -j DNAT --to-destination <venet's IP>
```

Subject: Re: ***SOLVED*** OpenVPN in VPS : Masquerade
Posted by [x100](#) on Mon, 20 Feb 2012 18:46:54 GMT
[View Forum Message](#) <> [Reply to Message](#)

If anybody still interested. Checked the above rule and it did not actually let me access external resources being connected to the VPN server. I got connected to the server being able to ping external addresses this way, but there was no route to them through the VPN tunnel (when tracerouting). To be fully able to reach the external net through the VPN server I use the following:

```
iptables -t nat -A POSTROUTING -j SNAT --to-source <venet's IP>
```

And don't forget enabling IP forwarding in /etc/sysctl.conf:

```
net.ipv4.ip_forward = 1
```