
Subject: ***SOLVED*** MASQUERADE with IPTables in a VPS

Posted by [slg2001](#) on Sat, 21 Oct 2006 09:30:24 GMT

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Hello,

i can't add a iptables Rule for masquerading in the VPS where my OpenVPN-Server is running, at the HN is it no problem to add someone!

VPS-Network=192.168.120.0/24

OpenVPN-Network= 5.5.0.0/24

VPS IPTables-Config

```
IPTABLES="iptables iptable_mangle ipt_limit ipt_multiport ipt_tos ipt_TOS ipt_REJECT
iptables ipt_tcpmss ipt_ttl ipt_LOG ipt_length ip_conntrack ip_conntrack_ftp ip_conntrack_irc
iptables ipt_state ipt_helper iptable_nat ip_nat_ftp ip_nat_irc ipt_REDIRECT "
```

Loaded IPTables Modules at the HN

```
[root@hn ~]# lsmod | grep ipt
iptables MASQUERADE 1632 0
iptables iptable_nat 7716 3
ip_nat 13300 2 ipt_MASQUERADE,iptable_nat
ip_conntrack 47300 4 xt_state,iptable_nat,ip_nat
iptables ipt_ttl 1568 5
iptables ipt_TCPMSS 3552 5
iptables iptable_mangle 3520 5
iptables iptable_filter 3232 7
iptables ipt_multiport 2496 10
iptables ipt_tos 1344 5
iptables ipt_REJECT 4256 7
ip_tables 11356 3 iptable_nat,iptable_mangle,iptable_filter
x_tables 12544 13
iptables ipt_MASQUERADE,xt_state,iptable_nat,xt_tcpudp,xt_length,iptables ipt_ttl,xt_tcpmss,ipt_TCPMSS,ipt_mu
ltiport,xt_limit,ipt_tos,ipt_REJECT,ip_tables
[root@hn ~]#
```

add a iptables rule at the VPS

```
[root@vps ~]# iptables -t nat -A POSTROUTING -s 5.5.0.0/24 -j MASQUERADE
iptables: No chain/target/match by that name
[root@vps ~]# iptables -L -t nat
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

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

```
Chain PREROUTING (policy ACCEPT)
target prot opt source destination
[root@vps ~]#
```

add a iptables rule at the HN

```
[root@hn ~]# iptables -t nat -A POSTROUTING -s 5.5.0.0/24 -j MASQUERADE
[root@hn ~]# iptables -t nat -L
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

```
Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
MASQUERADE all -- 5.5.0.0/24 anywhere
```

```
Chain PREROUTING (policy ACCEPT)
target prot opt source destination
[root@hn ~]#
```

Some informations about the Hardware-Node

```
[root@hn ~]# uname -r
2.6.16-026test018.1.custom
[root@hn ~]#
```

I hope i don't forgot any information!
Thx for your help.

slg2001

File Attachments

1) [kernel-2.6.16-026test018-i686.config.ovz](#), downloaded 616 times

Subject: Re: MASQUERADE with IPTables in a VPS
Posted by [curx](#) on Sat, 21 Oct 2006 12:30:31 GMT
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Hi,

a look to the man page of vzctl shows me that the "ipt_MASQUERADE" is not in the IPTABLES MODULE LIST!

So you can't use the module ipt_MASQUERADE!

--iptables name

Restrict access to iptables modules inside a VE (by default all iptables modules that are loaded in the host system are accessible inside a VE).

You can use the following values for name: iptable_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, iptable_nat, ip_nat_ftp, ip_nat_irc, ipt_REDIRECT xt_mac.

Subject: *****SOLVED***** Re: MASQUERADE with IPTables in a VPS
Posted by [slg2001](#) on Sat, 21 Oct 2006 15:07:04 GMT

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Hi curx,

thanks for the information!

Who can read, has an advantage.

Best regards
Stefan

Subject: Re: MASQUERADE with IPTables in a VPS
Posted by [astaka](#) on Sat, 10 Feb 2007 04:48:16 GMT

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sorry, if I can't use ipt_masquerade and how can i do the NAT in VE?