
Subject: Nat inside VE - openvpn again
Posted by [mperkel](#) on Mon, 21 Jul 2008 08:37:09 GMT
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Getting this inside the VE:

```
iptables -L -t nat
iptables v1.4.1.1: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

On the HN it works:

```
iptables -L -t nat
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
```

Conf file has:

```
IPTABLES="ipt_REJECT ipt_tos ipt_TOS ipt_LOG ip_conntrack ipt_limit ipt_multiport iptable_filter
iptables_mangle ipt_TCPMSS ipt_tcpmss ipt_ttl ipt_length ipt_state iptable_nat ip_nat_ftp"
```

It's 1:30 in the morning and I'm brain dead. What am I doing wrong.

Thanks in advance.

Subject: Re: Nat inside VE - openvpn again
Posted by [mperkel](#) on Mon, 21 Jul 2008 09:46:15 GMT
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If I run this at the command line it works after restarting the vz service:

```
modprobe ip_nat
modprobe xt_tcpudp
modprobe ip_conntrack ip_conntrack_enable_ve0=1
```

How do I get these modules to load on startup?

Subject: Re: Nat inside VE - openvpn again
Posted by [kir](#) on Mon, 21 Jul 2008 11:22:03 GMT

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You're right -- these modules need to be loaded before vz service start.

Some are supposed to be loaded by /etc/init.d/vz itself -- see it and IPTABLES variable defined in /etc/vz/vz.conf.

Some are supposed to be loaded by /etc/init.d/iptables script -- see it and IPTABLES_MODULES variable defined in /etc/sysconfig/iptables-config

I suggest you to add ip_nat to IPTABLES in /etc/vz/vz.conf

Subject: Re: Nat inside VE - openvpn again
Posted by [kir](#) on Mon, 21 Jul 2008 11:25:25 GMT

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In addition,

> modprobe ip_conntrack ip_conntrack_enable_ve0=1

is only needed if you want NAT to work in VE0. NAT in VEs will work regardless of this setting.

Subject: Re: Nat inside VE - openvpn again
Posted by [mperkel](#) on Mon, 21 Jul 2008 17:09:17 GMT

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ok - is there a file somewhere where I can just force the loading of modules on boot? Do I do it in modprobe.conf?

Subject: Re: Nat inside VE - openvpn again
Posted by [mperkel](#) on Mon, 21 Jul 2008 17:48:40 GMT

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What I'm thinking is - there should be a text file called "nat" that I can put into the /etc/modprobe.d directory to load the necessary modules. What would that file have in it?

Subject: Re: Nat inside VE - openvpn again
Posted by [kir](#) on Tue, 22 Jul 2008 07:04:43 GMT
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/etc/modprobe.d/smth will not autoload modules for you AFAIK. See man modprobe.conf for description of what you can put there. It is basically for passing options to modules, blacklisting modules, or having your own code executed instead of loading the module.

Subject: Re: Nat inside VE - openvpn again
Posted by [mperkel](#) on Tue, 22 Jul 2008 07:28:44 GMT
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So - what's the proper way to preload modules?

Subject: Re: Nat inside VE - openvpn again
Posted by [kir](#) on Tue, 22 Jul 2008 07:45:33 GMT
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I have described two different ways above, in message #32101 (http://forum.openvz.org/index.php?t=tree&&th=6522&goto=32101#msg_32101), seems like you overlooked it.
