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Subject: \*SOLVED\* CentOS 5 - IPTables NAT problem  
Posted by [Thomasd](#) on Tue, 11 Dec 2007 10:55:34 GMT  
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latest version of the kernel

```
# uname -r
2.6.18-53.el5.028stab051.1
```

```
# iptables -t nat -L
iptables v1.3.5: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

```
# lsmod | grep nat
<nothing>
```

```
# modprobe -l | grep ip_nat
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_tftp.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_sip.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_pptp.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_irc.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_h323.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_ftp.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_snmp_basic.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_nat_amanda.ko
```

```
# modprobe ip_nat
WARNING: Error inserting ip_conntrack
(/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netfilter/ip_conntrack.ko): Unknown
symbol in module, or unknown parameter (see dmesg)
FATAL: Error inserting ip_nat (/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/net
filter/ip_nat.ko): Unknown symbol in module, or unknown parameter (see dmesg)
```

```
# dmesg -c
ip_conntrack: parameter ip_conntrack_enable_ve0 is obsoleted. In ovzkernel >= 2.6.15
connection tracking on hardware node is enabled by default, use ip_conntrack_disable_ve0=1
parameter to disable.
ip_conntrack: Unknown parameter `='
ip_nat: Unknown symbol invert_tuplepr
ip_nat: Unknown symbol ip_conntrack_untracked
ip_nat: Unknown symbol ip_conntrack_htable_size
ip_nat: Unknown symbol ip_conntrack_tcp_update
ip_nat: Unknown symbol ip_conntrack_tuple_taken
ip_nat: Unknown symbol ip_ct_get_tuple
ip_nat: Unknown symbol ip_conntrack_alter_reply
ip_nat: Unknown symbol __ip_conntrack_proto_find
ip_nat: Unknown symbol ip_ct_iterate_cleanup
```

In short, I am trying to use NAT so that I can have several virtual machines using one IP, but it seem like the NAT table just doesn't work.

When I look on google, I've seen others with the same issue, but no obvious fix.

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Subject: Re: CentOS 5 - IPTables NAT problem  
Posted by [vaverin](#) on Tue, 11 Dec 2007 14:14:33 GMT  
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It looks like conntracks are disabled on HW node.  
We recommend to disable connection tracking on HW node, but if You want to use this functionality please check the following places:

Could you please:

- show cat /proc/modprobe.conf file (options for ip\_conntrack)
- modinfo ip\_conntrack (it explain the exact option name and its default value)

thank you,  
Vasily Averin

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Subject: Re: CentOS 5 - IPTables NAT problem  
Posted by [Thomasd](#) on Tue, 11 Dec 2007 19:58:37 GMT  
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it works!

here was the problem:

I had "options ip\_conntrack ip\_conntrack\_enable\_ve0 = 1"

but the spaces around the '=' were causing improper parameters to be passed to the ip\_conntrack module.

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