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/netf ilter/ip_nat_tftp.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat_sip.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat_pptp.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat_irc.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat_h323.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat_ftp.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat_snmp_basic.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat.ko
/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/netf ilter/ip_nat_amanda.ko

modprobe ip_nat
WARNING: Error inserting ip_conntrack
(/lib/modules/2.6.18-53.el5.028stab051.1/kernel/net/ipv4/net filter/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.

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

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.
