Subject: *SOLVED* iptables: No chain/target/match by that name
Posted by fransonline on Sat, 18 Nov 2006 12:45:56 GMT
View Forum Message <> Reply to Message

I want to install a firewall in the VPS such as APF, but get "No chain/target/match by that name" errors

When I do a simple test in the VPS:
iptables -A INPUT -p tcp --dport 22 -j ACCEPT
then this error occurs:
iptables: No chain/target/match by that name

I've seen more topics in this forum, I tried all the tips but without any luck.
I'm get rather desperate because I can't discover what is wrong.

Here the information on the HN.
It's a Linux Fedora FC 5 distro with a 2.6.16-026test015.2 kernel.

0. Status iptables
==========
[root@localhost ~]# service iptables status
Table: 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

Table: mangle
Chain PREROUTING (policy ACCEPT)
target prot opt source destination

Chain INPUT (policy ACCEPT)
target prot opt source destination

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination

Table: filter

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

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

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

1. lsmod before the VPS starts

```
============================
[root@localhost ~]# lsmod | grep ipt
iptable_nat            7940  0
ip_nat                13780  3 vzrst,ip_nat_ftp,iptable_nat
iptable_mangle         3680  0
iptable_filter         3200  0
ip_conntrack          47688  6 vzrst,vzcpt,ip_nat_ftp,iptable_nat,ip_nat,xt_state
ip_tables             12184  3 iptable_nat,iptable_mangle,iptable_filter
ipt_LOG                6176  0
ipt_TOS                2016  0
ipt_ttl                1568  0
ipt_TCPMSS             3648  0
ipt_multiport          2336  0
ipt_tos                1344  0
ipt_REJECT             4288  0
x_tables              13056  13    iptable_nat,xt_state,ip_tables,ipt_LOG,ipt_TOS,xt_length,ipt
_ttl,xt_tcpmss,ipt_TCPMSS,ipt_multiport,xt_limit,ipt_tos,ipt _REJECT
```

2. cat /etc/sysconfig/vz

```
======================
[root@localhost ~]# cat /etc/sysconfig/vz
## Global parameters
VIRTUOZZO=yes
LOCKDIR=/vz/lock
DUMPDIR=/vz/dump
VE0CPUUNITS=1000

## Logging parameters
LOGGING=yes
LOGFILE=/var/log/vzctl.log
LOG_LEVEL=0

## Disk quota parameters
DISK_QUOTA=yes
VZFASTBOOT=no

# The name of the device whose ip address will be used as source ip for VE.
# By default automatically assigned.
```

#VE_ROUTE_SRC_DEV="eth0"

Template parameters
TEMPLATE=/vz/template

Defaults for VEs
VE_ROOT=/vz/root/$VEID
VE_PRIVATE=/vz/private/$VEID
CONFIGFILE="vps.basic"
DEF_OSTEMPLATE="fedora-core-4"

Load vzwdog module
VZWDOG="no"

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

3. cat /etc/sysconfig/vz-scripts/101.conf
==========
[root@localhost ~]# cat /etc/sysconfig/vz-scripts/101.conf
Copyright (C) 2000-2006 SWsoft. All rights reserved.

ONBOOT="yes"

# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="65:65"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="6144:2147483647"
# Secondary parameters
KMEMSIZE="2752512:2936012"
TCPSNDBUF="319488:524288"
TCPRCVBUF="319488:524288"
OTHERSOCKBUF="132096:336896"
DGRAMRCVBUF="132096:132096"
OOMGUARPAGES="6144:2147483647"
# Auxiliary parameters
LOCKEDPAGES="32:32"
SHMPAGES="8192:8192"
PRIVVMPAGES="49152:53575"
NUMFILE="2048:2048"
NUMFLOCK="100:110"
NUMPTY="16:16"
NUMSIGINFO="256:256"
DCACHESIZE="1048576:1097728"

PHYSPAGES="0:2147483647"
NUMIPTENT="4096:4096"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="1048576:1153434"
DISKINODES="200000:220000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="centos-4-i386-default"
ORIGIN_SAMPLE="vps.basic"
NAMESERVER="192.168.1.1"
IP_ADDRESS="192.168.1.80"

4. modprobe
==========
I did a modprobe for all modules, without any error.

I look forward to some hints to solve my problem.

Thanks in advance.

Frans

Subject: Re: iptables: No chain/target/match by that name
Posted by Vasily Tarasov on Sat, 18 Nov 2006 12:56:36 GMT
View Forum Message <> Reply to Message

Hello,

can you, please, try recent kernel (2.6.16-026test020.1) on your node, to be sure that we're not dealing with some old issue?
Also, can you provide remote access to your node? If no - it is ok.

Thanks.

Subject: Re: iptables: No chain/target/match by that name
Posted by fransonline on Sat, 18 Nov 2006 13:36:44 GMT
View Forum Message <> Reply to Message

Hello Vasily,

Thanks for your fast reply.

1.
Sorry but I don't see kernel 2.6.16-026test020.1 ???
http://openvz.org/download/kernel/fc5/ says:
OpenVZ Fedora Core 5 kernel (latest is 2.6.16-1.2133_FC5.026test015)

2. Of course I would like you to log in, but this is not possible at this box, because it's a test enverimoent at home.
This, because I have exact the same problem with my public server with kernel 2.6.16-1.2133_FC5.026test015smp.

So if you want to log in in this box I would like to provide you with a root login (if so, where do I have to send the details?)

I appreciate your help very much because i am struggling with the problem for some weeks now.

Frans

Subject: Re: iptables: No chain/target/match by that name
Posted by Vasily Tarasov on Sat, 18 Nov 2006 13:52:22 GMT
View Forum Message <> Reply to Message

Ohhh, sorry I didn't understand you right at the first time.
So you're using 2.6.16-1.2133_FC5.026test015 kernel, OpenVZ kernel based on FC5... This kernel is prity old and probably obsolete. Please, try to use not FC5 based kernel, for example this: http://openvz.org/download/kernel/devel/archives/2.6.16-026t est020.1

Meanwhile I will check FC5 OVZ kernel.

Thanks!

Subject: Re: iptables: No chain/target/match by that name
Posted by fransonline on Sat, 18 Nov 2006 14:19:01 GMT
View Forum Message <> Reply to Message

Hi,

I remove the old FC kernel and replaced it with 2.6.16-026t est020.1, rebooted the system.
But with the same iptables problem.

Frans

Subject: Re: iptables: No chain/target/match by that name
Posted by Vasily Tarasov on Sun, 19 Nov 2006 10:51:43 GMT
View Forum Message <> Reply to Message

Sorry, for late answer. I'll be able to help you tomorrow, so, please, send me login to the node in question via PM (Private Message).

Thanks,
Vasily.

Subject: Re: iptables: No chain/target/match by that name
Posted by dim on Mon, 20 Nov 2006 07:57:24 GMT
View Forum Message <> Reply to Message

The problem is because of the xt_tcpudp module. You need to load it manually before VE start.

Subject: Re: iptables: No chain/target/match by that name
Posted by fransonline on Mon, 20 Nov 2006 08:08:34 GMT
View Forum Message <> Reply to Message

Thnx, do i load it by
modprobe xt_tcpudp
on the HN?

Subject: Re: iptables: No chain/target/match by that name
Posted by dim on Mon, 20 Nov 2006 08:20:31 GMT
View Forum Message <> Reply to Message

yes

Subject: Re: iptables: No chain/target/match by that name
Posted by fransonline on Mon, 20 Nov 2006 11:40:41 GMT
View Forum Message <> Reply to Message

With the commands:

modprobe xt_tcpudp
modprobe ip_conntrack ip_conntrack_enable_ve0=1
on the HN I think I solved the problem.

Combined with the simple but effective preconfigured firewalls from
http://vpsinfo.nixhost.net/firewall.htm
the chain errors disappeared and the firewall works.

The APF firewall still causes errors, may be I still will find a solution

Vasily and Dim thanks for your time and help!

Subject: !!!UNSOLVED!!! hashlimit problems!
Posted by sucker21 on Sun, 28 Sep 2008 19:01:46 GMT
View Forum Message <> Reply to Message

Excuse me... I know this Thread is too old...

But I had the same probleme and i solved it with information of this thread
I have now the same probleme with the command:

Quote::/etc/apache2/mods-available# iptables -I INPUT -m hashlimit -m tcp -p tcp --dport 22 --hashlimit 100/min --hashlimit-mode srcip --hashlimit-name ssh -m state --state NEW -j ACCEPT
iptables: No chain/target/match by that name

How to activate hashlimit on VPS?

I'm sorry for my ugly english

Greetz sucker
