
Subject: *SOLVED* iptables: No chain/target/match by that name

Posted by [fransonline](#) on Sat, 18 Nov 2006 12:45:56 GMT

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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. Ismod before the VPS starts

=====

```
[root@localhost ~]# lsmod | grep ipt
```

```
iptables_nat          7940  0
ip_nat                 13780  3 vzrst,ip_nat_ftp,iptables_nat
iptables_mangle        3680  0
iptables_filter        3200  0
ip_conntrack           47688  6 vzrst,vzcpt,ip_nat_ftp,iptables_nat,ip_nat,xt_state
ip_tables              12184  3 iptable_nat,iptables_mangle,iptables_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
```

```
DUMPPDIR=/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  
iptables_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
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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
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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 environment 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

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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 pretty old and probably obsolete. Please, try to use not FC5 based kernel, for example this: <http://openvz.org/download/kernel/devel/archives/2.6.16-026test020.1>

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

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Hi,

I remove the old FC kernel and replaced it with 2.6.16-026test020.1, 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
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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
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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
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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
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yes

Subject: Re: iptables: No chain/target/match by that name
Posted by [fransonline](#) on Mon, 20 Nov 2006 11:40:41 GMT
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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
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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
