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Subject: iptables

Posted by [rsaylor](#) on Mon, 09 Jan 2006 19:00:27 GMT

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iptables appears not to be working on my VPS or I might have the config incorrect.

Config:

```
vzctl set SID --iptables iptable_filter --iptables ipt_length --iptables ipt_limit --iptables
iptables_mangle --iptables ipt_REJECT --save
```

However, I get the following error reports:

```
iptables v1.2.11: can't initialize iptables table `filter': iptables who? (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

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Subject: Re: iptables

Posted by [devnu11](#) on Mon, 09 Jan 2006 19:02:34 GMT

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What distro?

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Subject: Re: iptables

Posted by [rsaylor](#) on Mon, 09 Jan 2006 19:12:34 GMT

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Hi, I am using CentOS 4.2 for the main server and CentOS 4 for the VPS

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Subject: Re: iptables

Posted by [dim](#) on Tue, 10 Jan 2006 09:59:23 GMT

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Probably you haven't loaded required modules on hardware node before VPS start.

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Subject: Re: iptables

Posted by [Valmont](#) on Sat, 14 Jan 2006 23:35:03 GMT

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Hi!

On trustix 3.0 I can't build module ULOG in netfilter with openvz kernel 2.6.8-022stab061-up (In past I cannot make it with other openvz kernel)

I get this:

```
root@server /usr/src/linux-vz# make modules CC="gcc -fno-stack-protector"
make[1]: `arch/i386/kernel/asm-offsets.s' is up to date.
CC [M] net/ipv4/netfilter/ipt_ULOG.o
net/ipv4/netfilter/ipt_ULOG.c:133:2: #error timer context should be evaluated
make[3]: *** [net/ipv4/netfilter/ipt_ULOG.o] Error 1
make[2]: *** [net/ipv4/netfilter] Error 2
make[1]: *** [net/ipv4] Error 2
make: *** [net] Error 2
```

information should I provide? May I post here my .config?

Thank you.

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Subject: Re: iptables  
Posted by [dim](#) on Mon, 16 Jan 2006 12:34:18 GMT  
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Just remove this string (ipt\_ULOG.c:133). This error is obsoleted and should be removed.

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Subject: Re: iptables  
Posted by [Valmont](#) on Mon, 16 Jan 2006 17:57:40 GMT  
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Thanks, all ok .

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Subject: Re: iptables  
Posted by [eugenio pacheco](#) on Wed, 29 Mar 2006 21:33:16 GMT  
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I'm getting the same problem running the host on fedora core 4 and the vps on debian3.1 minimal...

```
paine1:~# iptables -I INPUT -p tcp --dport 80
iptables v1.2.11: can't initialize iptables table `filter': iptables who? (do you need to insmod?)
```

Perhaps iptables or your kernel needs to be upgraded.

paine1:~#

Anyway to fix that? Here is my /etc/sysctl.conf (not a linux expert, so I don't really know what sysctl.conf means, maybe the error is there, never know...):

```
# Kernel sysctl configuration file for Red Hat Linux
#
# For binary values, 0 is disabled, 1 is enabled.  See sysctl(8) and
# sysctl.conf(5) for more details.

# Controls IP packet forwarding
net.ipv4.ip_forward = 1
net.ipv4.conf.default.proxy_arp = 0
# Controls source route verification
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.all.rp_filter = 1
# Do not accept source routing
net.ipv4.conf.default.accept_source_route = 0

# Controls the System Request debugging functionality of the kernel
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0

# Controls whether core dumps will append the PID to the core filename.
# Useful for debugging multi-threaded applications.
kernel.core_uses_pid = 1

# Controls the use of TCP syncookies
net.ipv4.tcp_syncookies = 1
```

Regards,

Eugenio Pacheco

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Subject: Re: iptables

Posted by [dim](#) on Thu, 30 Mar 2006 10:34:49 GMT

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In order to determine what's wrong, I need outputs of the following commands:

- 1) lsmod before VPS start
- 2) cat /etc/sysconfig/vz
- 3) cat /etc/sysconfig/vz-scripts/<VPSID>.conf

Most probably, you have not loaded necessary modules before VPS start.

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Subject: Re: iptables

Posted by [eugenio pacheco](#) on Thu, 30 Mar 2006 17:22:42 GMT

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Here is all the information you asked, can you please help me?

```
[root@t248 ~]# service vz stop
```

```
Stopping OpenVZ: [ OK ]
```

```
[root@t248 ~]# lsmod
```

Module	Size	Used by
sch_ingress	2852	1
cls_u32	6308	3
sch_sfq	4480	2
sch_htb	22144	1
simfs	3612	0
vzdquota	38576	0 [permanent]
vzdev	1792	1 vzdquota
thermal	10096	0
processor	10244	1 thermal
fan	2668	0
button	4408	0
battery	7052	0
asus_acpi	8920	0
ac	3084	0
8139too	20160	0
e100	31552	0
mii	3808	2 8139too,e100
usbcore	100356	1

```
[root@t248 ~]# service vz start
```

```
Starting OpenVZ: [ OK ]
```

```
lBringing up interface venet0: [ OK ]
```

```
Configuring interface venet0: net.ipv4.conf.venet0.send_redirects = 0
```

```
[ OK ]
```

```
Starting VPS 101: smod
```

```
[ OK ]
```

```
[root@t248 ~]# lsmod
```

Module	Size	Used by
vznetdev	12480	2
vzmon	41664	2 vznetdev
af_packet	16360	0
ipt_length	1504	1
ipt_ttl	1632	1
ipt_tcpmss	1920	1
ipt_TCPMSS	3648	1
iptable_mangle	4256	1
iptable_filter	4096	1
ipt_multiport	1760	1
ipt_limit	1952	1
ipt_tos	1408	1

```

ipt_REJECT          5568 1
ip_tables           20848 10 ipt_length,ipt_ttl,ipt_tcpmss,ipt_TCPMSS,iptable_mangle,iptable_filter,ipt_multiport,ipt_limit,ipt_tos,ipt_REJECT
sch_ingress         2852 1
cls_u32             6308 3
sch_sfq             4480 2
sch_htb            22144 1
simfs               3612 1
vzdquota            38576 1 [permanent]
vzdev               1792 3 vznetdev,vzmon,vzdquota
thermal             10096 0
processor           10244 1 thermal
fan                 2668 0
button              4408 0
battery             7052 0
asus_acpi           8920 0
ac                  3084 0
8139too             20160 0
e100                31552 0
mii                 3808 2 8139too,e100
usbcore             100356 1

```

```
[root@t248 ~]# vzctl stop 101
```

```
Stopping VPS ...
```

```
VPS was stopped
```

```
VPS is unmounted
```

```
[root@t248 ~]# lsmod
```

```

Module              Size Used by
vznetdev            12480 3
vzmon               41664 2 vznetdev
af_packet           16360 0
ipt_length           1504 1
ipt_ttl             1632 1
ipt_tcpmss           1920 1
ipt_TCPMSS           3648 1
iptable_mangle       4256 1
iptable_filter       4096 1
ipt_multiport        1760 1
ipt_limit            1952 1
ipt_tos              1408 1
ipt_REJECT           5568 1
ip_tables            20848 10 ipt_length,ipt_ttl,ipt_tcpmss,ipt_TCPMSS,iptable_mangle,iptable_filter,ipt_multiport,ipt_limit,ipt_tos,ipt_REJECT
sch_ingress          2852 1
cls_u32              6308 3
sch_sfq              4480 2
sch_htb             22144 1
simfs                3612 1

```

```

vzdquota      38576 1 [permanent]
vzdev         1792 3 vznetdev,vzmon,vzdquota
thermal       10096 0
processor     10244 1 thermal
fan           2668 0
button        4408 0
battery       7052 0
asus_acpi     8920 0
ac            3084 0
8139too       20160 0
e100          31552 0
mii           3808 2 8139too,e100
usbcore       100356 1
[root@t248 ~]#

```

```

[root@t248 ~]# vzctl start 101

```

```

Starting VPS ...

```

```

VPS is mounted

```

```

Setting CPU units: 13738

```

```

File resolv.conf was modified

```

```

VPS start in progress...

```

```

[root@t248 ~]# lsmod

```

```

Module          Size Used by
vznetdev        12480 5
vzmon           41664 3 vznetdev
af_packet       16360 0
ipt_length      1504 2
ipt_ttl         1632 2
ipt_tcpmss      1920 2
ipt_TCPMSS      3648 2
iptable_mangle  4256 2
iptable_filter  4096 2
ipt_multiport   1760 2
ipt_limit       1952 2
ipt_tos         1408 2
ipt_REJECT      5568 2
ip_tables       20848 10 ipt_length,ipt_ttl,ipt_tcpmss,ipt_TCPMSS,iptable_mangle,iptable_filter,ipt_multiport,ipt_limit,ipt_tos,ipt_REJECT
sch_ingress     2852 1
cls_u32         6308 3
sch_sfq         4480 2
sch_htb         22144 1
simfs           3612 2
vzdquota        38576 2 [permanent]
vzdev           1792 3 vznetdev,vzmon,vzdquota
thermal         10096 0
processor       10244 1 thermal
fan             2668 0

```

```
button          4408 0
battery         7052 0
asus_acpi       8920 0
ac              3084 0
8139too         20160 0
e100            31552 0
mii             3808 2 8139too,e100
usbcore         100356 1
```

```
[root@t248 ~]# cat /etc/sysconfig/vz
```

```
## Global parameters
```

```
VIRTUOZZO=yes
```

```
LOCKDIR=/vz/lock
```

```
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_limit ipt_multiport iptable_filter iptable_mangle ipt_TCPMSS  
ipt_tcpmss ipt_ttl ipt_length"
```

```
[root@t248 ~]#
```

```
[root@t248 ~]# cat /etc/sysconfig/vz-scripts/101.conf
```

```
# This is an example configuration file for so-called "vps.basic" VPS.
```

```
# Copyright (C) 2000-2005 SWsoft. All rights reserved.
```

```
#
```

# This file may be distributed under the terms of the Q Public License  
# as defined by Trolltech AS of Norway and appearing in the file  
# LICENSE.QPL included in the packaging of this file.  
#  
# This file is provided AS IS with NO WARRANTY OF ANY KIND, INCLUDING THE  
# WARRANTY OF DESIGN, MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
PURPOSE.

ONBOOT="yes"

# UBC parameters (in form of barrier:limit)

# Primary parameters

AVNUMPROC="209:209"

NUMPROC="800:800"

NUMTCPSOCK="800:800"

NUMOTHERSOCK="800:800"

VMGUARPAGES="15977:2147483647"

# Secondary parameters

KMEMSIZE="5141514:8855665"

TCPSNDBUF="2437038:5713838"

TCPRCVBUF="2437038:5713838"

OTHERSOCKBUF="1218519:4495319"

DGRAMRCVBUF="1218519:1218519"

OOMGUARPAGES="15977:2147483647"

# Auxiliary parameters

LOCKEDPAGES="836:836"

SHMPAGES="9586:9586"

PRIVVMPAGES="80862:85448"

NUMFILE="6688:6688"

NUMFLOCK="668:734"

NUMPTY="80:80"

NUMSIGINFO="1024:1024"

DCACHESIZE="3740085:3852288"

PHYSPAGES="0:2147483647"

NUMIPTENT="200:200"

# Disk quota parameters (in form of softlimit:hardlimit)

DISKSPACE="20971520:22971520"

DISKINODES="2880189:2968209"

QUOTATIME="0"

# CPU fair sheduler parameter

CPUUNITS="13738"

VE\_ROOT="/vz/root/\$VEID"

VE\_PRIVATE="/vz/private/\$VEID"

OSTEMPLATE="debian-3.1-i386-minimal"

ORIGIN\_SAMPLE="vps.10"

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Subject: Re: iptables

Posted by [eugeniopacheco](#) on Thu, 30 Mar 2006 17:52:43 GMT

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Hi,

After I did these things in order to get these informations (restart vz service and the VPS), now iptables is working in the VPS... Interesting:)

Thanks for your help..

Eugenio Pacheco

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