
Subject: ipt_state missing in 2.6.16?

Posted by [jdonalds](#) on Fri, 24 Mar 2006 19:06:43 GMT

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Tried to compile from src with the patch (as I have to compile zaptel drivers for asterisk) and I can not get ipt_state to compile as a module, even though it shows as =m in the .config file... any ideas?

-UPDATE-

Hmm...looking through the source looks like ipt_state is depreciated and xt_state under linux-2.6.16/net/netfilter/xt_state.c takes it's place....

Subject: Re: ipt_state missing in 2.6.16?

Posted by [jdonalds](#) on Fri, 24 Mar 2006 21:49:48 GMT

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Ok. take 2: xt_state will not load since it requires ip_conntrack and ip_conntrack dies with:

ip_conntrack: Unknown parameter `ip_conntrack_enable_ve0'

any ideas?

has anyone gotten iptables stste to work with the new dev kernel?

Subject: Re: ipt_state missing in 2.6.16?

Posted by [jdonalds](#) on Fri, 24 Mar 2006 22:14:01 GMT

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Duh...

Figured it out, still had legacy ip_conntrack_enable_ve0 set in the modprobe.conf file...

At least it loads for the host system now...need to check the VPS..

Subject: Re: ipt_state missing in 2.6.16?

Posted by [jdonalds](#) on Sun, 26 Mar 2006 01:58:18 GMT

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Hmmm..VPS will not work with xt_state...

so no stateful FW in VPS in 2.6.16....so far...

Subject: Re: ipt_state missing in 2.6.16?

Posted by [dev](#) on Mon, 27 Mar 2006 08:48:13 GMT

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Can you please describe preciesly what you do and what is not working? I will ask someone to check then.

Subject: Re: ipt_state missing in 2.6.16?

Posted by [jdonalds](#) on Mon, 27 Mar 2006 14:00:55 GMT

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ipt_state is missing in 2.6.16, but if you look through the code for xt_state it appears to be a replacement for ipt_state. However it does not look like xt_state works inside a VPS, as all rules with a -m state fail...

Subject: Re: ipt_state missing in 2.6.16?

Posted by [dim](#) on Tue, 28 Mar 2006 08:51:18 GMT

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xt_state is renamed ipt_state, and I can assign any -m state rule in my VPSs. Could you post more details:

- 1) kernel version (config if custom kernel)
 - 2) cat /etc/sysconfig/vz
 - 3) cat /etc/sysconfig/vz-scripts/<VPSID>.conf
 - 4) lsmod output before VPS start
 - 5) iptables command which fails and it's error output
-

Subject: Re: ipt_state missing in 2.6.16?

Posted by [jdonalds](#) on Tue, 28 Mar 2006 13:40:20 GMT

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Sure, using a self compiled 2.6.16 kernel using patches and the smp kernel config(since I needed to compile zaptel drivers).

What do you mean xt_state is renamed ipt_state? Where. Did you rename it or link to it?

tried to pass xt_state through to VPS by adding it to the line in vz conf...I am not where I can get the config files right now...is there a simple fix?

Subject: Re: ipt_state missing in 2.6.16?

Posted by [dim](#) on Tue, 28 Mar 2006 14:40:10 GMT

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You don't need rename it in VPS config or in /etc/sysconfig/vz - OpenVZ still uses old naming for compatibility. New name is due to {ip,ip6,arp}_unification, which is going on in mainstream kernel. So, you need to have - loaded xt_state module (it is new kernel option - CONFIG_NETFILTER_XT_MATCH_STATE) before VPS start, "ipt_state" word in IPTABLES definition in global or VPS config file.

Subject: Re: ipt_state missing in 2.6.16?

Posted by [dev](#) on Tue, 28 Mar 2006 14:45:37 GMT

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jdonalds, I suppose dim meant that vzctl still uses name ipt_state for this module, when setting iptables for VPS.

But the kernel module itself was renamed to xt_state.

That's why he asked you about lsmod output and other config files. You simply have something misconfigured in your system I think.

Subject: Re: ipt_state missing in 2.6.16?

Posted by [ronaldsh](#) on Tue, 25 Apr 2006 15:40:55 GMT

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I have the similar problem, here is my answer (in RED)

1) kernel version (config if custom kernel)
2.6.8-022stab076.1

```
2) 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"
```

```
3) cat /etc/sysconfig/vz-scripts/<VPSID>.conf
```

```
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="128:128"
```

```
# 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"
HOSTNAME="x.x.x.com"
IP_ADDRESS="x.x.x.x"
NAMESERVER="x.x.x.x"
```

4) Ismod output before VPS start

Module	Size	Used by
ipt_LOG	6176	1
ipt_state	1632	1
ip_conntrack	35752	1 ipt_state
simfs	3612	1
vzdquota	38736	1 [permanent]
af_packet	16360	0
ipt_length	1504	1
ipt_ttl	1632	1
ipt_tcpmss	1920	1
ipt_TCPMSS	3648	1
iptables_mangle	4256	1
ipt_multiport	1760	1
ipt_limit	1952	1
ipt_tos	1408	1
ipt_REJECT	5568	2
parport_pc	23104	0
lp	7976	0
parport	20544	2 parport_pc,lp
sunrpc	129028	1
vznetdev	12480	3
vzmon	41664	2 vznetdev

```

vzdev          1792 3 vzquota,vznetdev,vzmon
iptables_filter 4096 2
ip_tables      20880 12 ipt_LOG,ipt_state,ipt_length,ipt_ttl,ipt_tcpmss,ipt_TCPMSS,i
ptable_mangle,ipt_multiport,ipt_limit,ipt_tos,ipt_REJECT,ipt_able_filter
thermal        10096 0
processor      10244 1 thermal
fan            2668 0
button         4408 0
battery        7052 0
asus_acpi      8920 0
ac             3084 0
ohci_hcd       17988 0
usbcore        100356 3 ohci_hcd
tg3            100036 0
floppy         54192 0
ide_cd         36800 0
cdrom          37212 1 ide_cd

```

5) iptables command which fails (this step is done in VPS)

```
iptables -A INPUT -m state --state ESTABLISHED,RELATED -j ACCEPT
```

5) it's error output (this step is done in VPS)

iptables: No chain/target/match by that name

Subject: Re: ipt_state missing in 2.6.16?
 Posted by [dev](#) on Tue, 25 Apr 2006 15:56:55 GMT
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Add "ipt_state ip_conntrack"
 to variable

```

IPTABLES="ipt_REJECT ipt_tos ipt_limit ipt_multiport iptable_filter iptable_mangle ipt_TCPMSS
ipt_tcpmss ipt_ttl ipt_length"

```

in /etc/sysconfig/vz.

Subject: Re: ipt_state missing in 2.6.16?
 Posted by [ronaldsh](#) on Wed, 26 Apr 2006 02:01:20 GMT
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DONE !

Thanks
