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 their 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.
Thats 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.com"
IP_ADDRESS="x.x.x.x"
NAMESERVER="x.x.x.x"
```

4) lsmod 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
iptable_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 vzdquota,vznetdev,vzmon
iptable_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