
Subject: [solved] iptables and multiport modul in openvz
Posted by [nicolas_79](#) on Sat, 14 Nov 2009 19:33:37 GMT
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Hi Everyone!

i have a problem using the multiport module within an openvz container.

hope someone can help me out!

problem description:

when using the multiport module within a openvz container, i get an error. all other options/modules work fine.

the command also works fine on the host itself!

```
>iptables -t mangle -A OUTPUT -p tcp -m tcp -m multiport -d 192.168.22.4 --dports 3307,3306 -j Out_RULE_2
```

returns

```
FATAL: Could not load /lib/modules/2.6.26-2-openvz-amd64/modules.dep: No such file or directory
```

```
FATAL: Could not load /lib/modules/2.6.26-2-openvz-amd64/modules.dep: No such file or directory
```

```
>iptables -t mangle -A OUTPUT -p tcp -m tcp -j Out_RULE_2
```

works out fine

ANY IDEAS?

container system (Debian)

```
-----  
>cat /proc/net/ip_tables_matches  
udplite  
udp  
tcp  
contrack  
contrack  
state  
length  
ttl  
tcpmss  
icmp
```

multiport
multiport
limit
tos
tos
dscp

host sytem (Debian)

Linux server05 2.6.26-2-openvz-amd64 #1 SMP Wed Aug 19 23:15:49 UTC 2009 x86_64
GNU/Linux

/etc/vz/vz.conf

IPv4 iptables kernel modules

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"

>cat /proc/net/ip_tables_matches

udplite
udp
tcp
conntrack
conntrack
state
length
ttl
tcpmss
icmp
multiport
multiport
limit
tos
tos
dscp

>lsmod

lsmod

Module	Size	Used by
vzethdev	14720	0
vznetdev	24456	2
simfs	8944	1
vzrst	123048	0

```

vzcpt          106424 0
tun            15492 2 vzrst,vzcpt
vzdquota      42868 1 [permanent]
vzmon         31376 5 vzetdev,vznetdev,vzrst,vzcpt
vzdev         7568 4 vzetdev,vznetdev,vzdquota,vzmon
acpi_cpufreq  11792 7
cpufreq_userspace 8452 0
cpufreq_ondemand 11792 1
cpufreq_conservative 11784 0
cpufreq_powersave 6400 0
cpufreq_stats 9120 0
xt_tcpudp     7680 20
nf_conntrack_ipv6 22632 0
ipv6          296384 52 vzrst,vzcpt,vzmon,nf_conntrack_ipv6
nf_conntrack_proto_dccp 11916 0
nf_conntrack_ftp 9748 0
ts_kmp        6272 5
nf_conntrack_amanda 8832 0
nf_conntrack_netlink 20864 0
nfnetlink     8904 1 nf_conntrack_netlink
nf_conntrack_pptp 10756 0
nf_conntrack_sip 23972 0
nf_conntrack_sane 9764 0
nf_conntrack_netbios_ns 7040 0
nf_conntrack_proto_sctp 12428 0
nf_conntrack_proto_udplite 8844 0
nf_conntrack_proto_gre 9472 1 nf_conntrack_pptp
xt_conntrack  8704 0
nf_conntrack_irc 10680 0
nf_conntrack_h323 57168 0
nf_nat_ftp    7296 0
nf_conntrack_ftp 12728 1 nf_nat_ftp
iptables_nat  11652 1
nf_nat        22548 3 nf_conntrack_netlink,nf_nat_ftp,iptables_nat
xt_state      6656 46
xt_length     6400 0
ipt_ttl       6144 0
xt_tcpmss     6656 0
xt_TCPMSS    8576 0
iptables_mangle 8704 1
iptables_filter 8320 2
ip_tables    21776 3 iptables_nat,iptables_mangle,iptables_filter
xt_multiport  7424 5
xt_limit      7172 0
nf_conntrack_ipv4 24352 51 iptables_nat,nf_nat
nf_conntrack  82688 21 <snipped content>
ipt_LOG       10372 6
xt_DSCP       7808 0

```

```

xt_dscp          7168 0
ipt_REJECT      7552 2
x_tables        25736 15 <snipped content>
loop            19340 0
wmi              11712 0
snd_pcm         81928 0
snd_timer       25744 1 snd_pcm
i2c_i801        13596 0
snd             63688 2 snd_pcm,snd_timer
soundcore       12064 1 snd
button          11680 0
snd_page_alloc  13072 1 snd_pcm
i2c_core        27936 1 i2c_i801
pcspkr          7040 0
evdev           14208 0
ext3            124816 2
jbd             51240 1 ext3
mbcache         12804 1 ext3
dm_mirror       20608 0
dm_log          13956 1 dm_mirror
dm_snapshot     19400 0
dm_mod          58864 3 dm_mirror,dm_log,dm_snapshot
r8169           31492 0
ehci_hcd        36108 0
uhci_hcd        25760 0
sd_mod          29376 8
thermal         22688 0
fan             9352 0
freq_table      9344 3 acpi_cpufreq,cpufreq_ondemand,cpufreq_stats
processor       42304 10 acpi_cpufreq,thermal
thermal_sys     17728 3 thermal,fan,processor
raid10          23680 0
raid456         125728 0
async_xor       8448 1 raid456
async_memcpy    6912 1 raid456
async_tx        11764 3 raid456,async_xor,async_memcpy
xor             9744 2 raid456,async_xor
raid1           24192 3
raid0           10624 0
md_mod          80036 7 raid10,raid456,raid1,raid0
atiixp          8324 0 [permanent]
ahci            33036 6
sata_nv         28680 0
sata_sil        13192 0
sata_via        13060 0
libata          165600 4 ahci,sata_nv,sata_sil,sata_via
dock            14112 1 libata
via82cxxx       12164 0 [permanent]

```

ide_core	128156	2	atiixp,via82cxxx
3w_9xxx	34948	0	
3w_xxxx	28064	0	
scsi_mod	161144	4	sd_mod,libata,3w_9xxx,3w_xxxx

Subject: Re: iptables and multiport modul in openvz
Posted by [nicolas_79](#) on Mon, 16 Nov 2009 15:58:49 GMT
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ok, i found the solution.

depmod -a

recreates the required files in the module directory. after that everything worked out fine.

Subject: Re: iptables and multiport modul in openvz
Posted by [fernandomm](#) on Tue, 17 Nov 2009 23:54:13 GMT
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Hello,

I am having the same problems that you are having but when starting APF firewall.

Did you run depmod -a on the host server?

I have this on vz.conf:

```
[code]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"[code]
```

My container is also a Debian.

The strange thing is that APF works on containers running CentOS.

Subject: Re: iptables and multiport modul in openvz
Posted by [nicolas_79](#) on Wed, 18 Nov 2009 08:22:28 GMT
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Hi fernandomm,

fernandomm wrote on Tue, 17 November 2009 18:54
Did you run depmod -a on the host server?

You will have to run depmod -a in the container. Probably it will then tell you that the target directory (/lib/modules/2.6.26-2-openvz-amd64/) does not exist. create it as root and then re-run depmod -a. iptables should then work with all loaded modules.

fernandomm wrote on Tue, 17 November 2009 18:54
The strange thing is that APF works on containers running CentOS.

as far as i can see the problem lies in the fact that the depmod file was not created in the debian template / container. this probably is based on the fact that this module dependency file normally is created when the kernel image is installed. as this is not necessary when using openvz it has to be done manually and is not described in the "debian template creation instructions" found in the wiki.

Since it works out for CentOS i could imagine that either the CentOS template contained this informations already (perhaps it was a preconfigured download) or something similar.

best regards

nicolas

Subject: Re: iptables and multiport modul in openvz
Posted by [fernandomm](#) on Wed, 18 Nov 2009 11:01:34 GMT
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Thanks a lot. That did the trick
